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March 1, 1984
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Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 AND DPR-74
SEMI-ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT
JULY 1, 1983 to DECEMBER 31, 1983

Mr. James G. Keppler, Regional Administrator
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

This letter transmits, under separate cover, forty copies of the Radioactive Effluent Release Report for the Donald C. Cook Nuclear Plant Units 1 and 2, corresponding to the period from July 1, 1983 to December 31, 1983. This report was prepared in accordance with Section 6.9.1.9 of the Plant's "Appendix A Technical Specifications".

This document has been prepared following Corporate procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,

M. P. Alexich
Vice President

MPA/edg

cc: John E. Dolan
W. G. Smith, Jr. - Bridgman
R. C. Callen
G. Charnoff
E. R. Swanson, NRC Resident Inspector - Bridgman

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MAR 5 1984

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INDIANA & MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106
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C403-11

February 29, 1984

Mr. J.G. Keppler, Regional Administrator
United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Donald C. Cook Nuclear Plant
Docket Nos. 50-315/50-316
License Nos. DPR-58/DPR-74

Dear Mr. Keppler:

Two copies of the 1983 Annual Operating Report for the Donald C. Cook Nuclear Plant are being transmitted to you under this cover letter. The information contained in this report covers the activities delineated in Appendix A (Section 6.9.1.5) of the Donald C. Cook Nuclear Plant Technical Specifications, and the requirements of 10 CFR 50.59.

Additional copies of this report have been transmitted to the Office of Inspection and Enforcement and the Office of Management Information and Program Control of the United States Nuclear Regulatory Commission as specified in Regulatory Guide 10.1.

Sincerely,

W.G. Smith, Jr.
Plant Manager

/bab

Attachments
See Reports/Environ.
cc: John E. Dolan
M.P. Alexich
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Donald C. Cook Nuclear Plant • Units 1 & 2

Semi-Annual Radioactive Effluent Release Report

JULY 1, THROUGH DECEMBER 31, 1983

Indiana & Michigan Electric Company
Bridgman, Michigan

Docket Nos. 50-315 & 50-316
License Nos. DPR-58 & DPR-74

AMERICAN ELECTRIC AEP POWER SYSTEM

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I. INTRODUCTION

This report discusses the radioactive discharges from Units 1 and 2 of the Donald C. Cook Nuclear Plant during the second half of 1983, according to Section 6.9.1.9 of "Appendix A" Technical Specifications for the Facility Operating License.

Unit 1:

During this reporting period, Unit 1 of the Donald C. Cook Nuclear Plant generated 1,122,660 Mwh Gross of electrical energy out of a total of 5,490,440 Mwh for 1983. The Monthly Operating Reports indicate that during 1983, Unit 1 was operating at a Unit Service Factor of 64.3% and at an average Unit Capacity Factor of 58.2%.

Unit 1 entered this reporting period operating at 90% power. The Unit was removed from service on July 16, 1983 for scheduled Cycle VII-VIII refueling and maintenance outage. Following completion of the outage and low power physics testing, Unit 1 was returned to service on October 24, 1983. On November 22, 1983, the Unit tripped due to the west main feed pump turbine tripping on low vacuum, from the steam flow/feed flow mismatch on Nos. 12 and 13 steam generators. This was declared as the start of a scheduled outage one day early to repair the No. 14 reactor coolant pump and a pressurizer spray valve. The unit was returned to service on December 19, 1983 after overspeed testing of the main turbine was completed. Unit 1 experienced no major shutdown during the rest of the reporting period.

Unit 2:

Unit 2 generated 3,344,650 Mwh Gross of electrical energy during the last six months of 1983 out of a total of 7,268,860 Mwh for 1983. During 1983, Unit 2 operated at an 78.1% Unit Service Factor and at an average Unit Capacity Factor of 75.5%.

Unit 2 entered this reporting period in Mode 5 due to a planned outage to perform required ice condenser surveillance and to locate and plug a leaking tube in No. 23 steam generator. The unit was returned to service on July 9, 1983. On August 22, 1983, Unit 2 tripped due to failure of vital instrument bus CRID II inverter. The capacitor was checked out prior to return to service, and the unit was returned to service on August 23, 1983. On August 25, 1983, Unit 2 tripped when the power supply to the vital instrument bus CRID II inverter failed. After the capacitor was checked out and then returned to service, the Unit was returned to service on August 26, 1983. On September 1, 1983, Unit 2 was removed from service to inspect certain tie down features of the pressurizer enclosure ventilation system.

The Unit was returned to service on September 2, 1983 after the existing installation was found to be adequate. On October 15, 1983, the Unit was removed from service due to an upward trend in the primary to secondary leakage which had increased during a moderator temperature coefficient test. Two leaking tubes were plugged in Nos. 21 and 23 steam generators and one tube in No. 22 steam generator. Unit 2 was returned to service on November 7, 1983, but had to be removed from service shortly thereafter due to excessive primary to secondary leakage. Three leaking tubes were plugged in No. 21 steam generator and the Unit was returned to service on November 22, 1983. Unit 2 tripped on November 22, 1983 due to high level in No. 22 steam generator. Additionally, the secondary chemistry technical specification was exceeded. The Unit was returned to service on November 23, 1983 and experienced no major shutdown during the rest of the reporting period.

II. RADIOACTIVE RELEASES

Since a number of release points are common to both Units, the release data from both Units were combined to form this two-Unit, Semi-Annual Radioactive Release Report. Appendix 1 presents this information in accordance with Section 6.9.1.9 of Appendix A to the Facility Operating License (Environmental Technical Specifications). As in reports preceding this one, the effluents were well within the limits set forth in the Technical Specifications and Appendix I to 10 CFR Part 50.

III. RADIOLOGICAL IMPACT ON MAN

Maximum individual doses were calculated using the measured effluents and meteorological data given in Appendices 1 and 2 of this report, respectively.

Liquid Releases:

The liquid releases consisted of 37 Batch releases in the third quarter and 28 Batch releases in the fourth quarter of 1983. These releases were treated as continuous releases for the purpose of dose calculations. The estimated doses in millirems to individuals from the liquid pathways are given in Appendices 1.2 and 1.3.

Gaseous Releases:

The gaseous releases consisted of 13 Batch releases in the third quarter and 30 Batch releases in the fourth quarter of 1983. Doses were estimated for the Batch and continuous releases during each of the two quarters using the measured meteorological data at the times of the releases. The estimated doses in millirems to individuals through the gaseous pathways are listed in Appendices 1.2 and 1.3.

IV. METEOROLOGICAL DATA

Appendices 2.1 and 2.2 contain the cumulative joint-frequency distribution of wind speed and wind direction corresponding to various atmospheric stability classes for both quarters. The meteorological conditions during the last six months of 1983 are also furnished in Appendix 2.3.

V. PROCESS CONTROL PROGRAM (PCP) CHANGES

The Radioactive Waste Process Control Manual 12 PMP 3150 PCP.001 was revised during the report period and is included in this report in its entirety. The revision incorporated temporary change sheets nos. 1-5, changes required by 10 CFR Part 71 effective September 6, 1983 and a recommendations from the South Carolina Department of Health and Environmental Control. Temporary change sheet no. 4 was incorporated to comply with DOT regulations effective July 1, 1983. Temporary change sheet no. 5 was for better overall control of the solidification process involving test solidifications. These changes did not reduce the overall conformance of the solidified waste product to existing criteria for solid wastes, and are given in Appendix 3.

VI. OFFSITE DOSE CALCULATION MANUAL CHANGES

There were no changes made to the Offsite Dose Calculation Manual (ODCM) during the report period.

VII. TOTAL DOSE

Technical Specification 3.11.4 requires the dose or dose commitment to a real individual from all uranium fuel cycle sources be limited to $\leq$25 mrem to the total body or any organ over a period of 12 consecutive months to show conformance with 40 CFR 190. The maximum cumulative dose to an individual from liquid and gaseous effluents during 1983 was well within Technical Specification 3.11.4. Measurements using thermoluminescent dosimeters at 10 background stations in the 4-5 mile plant radius indicate the dose due to direct radiation is negligible.

VIII. CONCLUSIONS

Based on the information presented in this report, it is concluded that the Units performed their intended design function without causing any hazard to the health and safety of the general public.

APPENDIX 1.1

RADIOACTIVE RELEASE DATA

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND HALF 1983

Supplemental Information

Facility: D.C. Cook Plant
Licensee: Indiana & Michigan Electric Company

1. Regulatory Limits

A. Noble Gases

The air dose in unrestricted areas due to noble gases released in gaseous effluents shall be limited to the following:

1. During any calendar quarter, to $\leq$ 5 mrad for gamma radiation and $\leq$ 10 mrad for beta radiation;

2. During any calendar year, to $\leq$ 10 mrad for gamma radiation and $\leq$ 20 mrad for beta radiation.

B. Iodines - Particulates

The dose to a member of the public from radioiodines, radioactive materials in particulate form, and radionuclides other than noble gases with half-lives greater than 8 days in gaseous effluents released to unrestricted areas shall be limited to the following:

1. During any calendar quarter to $\leq$ 7.5 mrem to any organ;

2. During any calendar year to $\leq$ 15 mrem to any organ.

C. Liquid Effluents

The dose or dose commitment to an individual from radioactive material in liquid effluents released to unrestricted areas shall be limited:

1. During any calendar quarter to $\leq$ 1.5 mrem to the total body and to $\leq$ 5 mrem to any organ, and:

2. During any calendar year to $\leq$ 3 mrem to the total body and to $\leq$ 10 mrem to any organ.

D. Total Dose

The dose or dose committment to a real individual from all uranium fuel cycle sources is limited to ≤ 25 mrem to the total body or any organ (except the thyroid, which is limited to ≤ 75 mrem) over a period of 12 consecutive months.

2. Maximum Permissable Concentrations

A. Gaseous Effluents

The dose rate due to radioactive materials released in gaseous effluents from the site shall be limited to the following:

1. For noble gases: ≤ 500 mrem/yr to the total body and ≤ 3000 mrem/yr to the skin, and:

2. For all radioiodines and for all radioactive materials in particulate form and radionuclides (other than noble gases) with half-lives greater than 8 days: ≤ 1500 mrem/yr to any organ.

The above limits are provided to insure that radioactive material discharged in gaseous effluents will not result in the exposure of an individual in an unrestricted area to annual average concentrations exceeding the limits in 10 CFR Part 20, Appendix B, Table II.

B. Liquid Effluents

The concentration of radioactive material released at any time from the site to unrestricted areas shall be limited to the concentrations specified in 10 CFR Part 20, Appendix B, Table II, Column 2, for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to 2×10^{-4} μCi/ml total activity.

3. Average Energy

The average energy ($\bar{E}$) of the radionuclide mixture in releases of fission and activation gases is not applicable per Regulatory Guide 1.21 Appendix B Section A.3.

4. Measurements and Approximations of Total Radioactivity

A. Fission and Activation Gases

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

B. Iodines

Sampled on an activated carbon filter or silver zeolite cartridge and analyzed on a 4096 channel analyzer and Ge(Li) detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Ge(Li) detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

37 releases in the 3RD quarter, 1983
28 releases in the 4TH quarter, 1983

2. Total time period for batch releases:

10882 minutes

3. Maximum time for a batch release:

533 minutes

4. Average time period for batch release:

167 minutes

5. Minimum time period for a batch release:

135 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

828,000 gpm circulating water

B. Gaseous

1. Number of batch releases:

13 in 3RD quarter, 1983
30 in 4TH quarter, 1983

2. Total time period of batch releases:

3577 minutes

3. Maximum time period for a batch release:

128 minutes

4. Average time period for batch releases:

83 minutes

5. Minimum time period for a batch release:

55 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

3RD Quarter	4TH Quarter
0	0

2. Total activity released:

3RD Quarter	4TH Quarter
0	0

B. Gaseous

1. Number of Releases:

3RD Quarter	4TH Quarter
0	0

2. Total activity released:

3RD Quarter	4TH Quarter
0	0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1983

GASEOUS EFFLUENTS - ELEVATED RELEASE

Nuclides Released	Unit	Continuous Mode 3RD QUARTER	Continuous Mode 4TH QUARTER	Batch Mode 3RD QUARTER	Batch Mode 4TH QUARTER
1. FISSION GASES					
Krypton-85	Ci		7.01E-3	2.98E0	4.45E0
Krypton-85M	Ci	7.13E-3	3.25E-2	5.65E-4	
Krypton-87	Ci	3.73E-2	4.89E-2		
Krypton-88	Ci	2.66E-3	4.76E-2	1.58E-4	
Xenon-133	Ci	3.41E+1	1.18E+1	7.95E0	4.39E0
Xenon-135	Ci	3.40E0	3.46E-1	1.36E-1	2.11E-2
Xenon-135M	Ci				
Xenon-138	Ci	2.11E-2	1.38E-1		
Xenon-133M	Ci			5.66E-2	2.59E-2
Xenon-131M	Ci		1.44E-3	2.26E-1	9.12E-2
Argon-41	Ci	5.54E-1	8.81E-1	4.49E-4	1.14E-4
Total for Period	Ci	3.81E+1	1.33E+1	1.13E+1	8.98E0
2. IODINES					
Iodine -134	Ci	4.18E-4	1.21E-3		
Iodine-131	Ci	1.90E-2	1.64E-3	2.02E-5	1.49E-5
Iodine-133	Ci	4.37E-3	6.19E-3	2.12E-7	4.72E-6
Iodine-135	Ci	3.28E-3	6.21E-3		
Iodine-130	Ci		3.30E-4		
Total for Period	Ci	2.71E-2	1.56E-2	2.04E-5	1.96E-5
3. PARTICULATES					
Strontium-85	Ci	7.53E-5			
Strontium-89	Ci	9.62E-7	6.89E-7		
Strontium-90	Ci		2.73E-6		
Cesium-134	Ci	2.02E-4	7.83E-5	4.12E-6	1.53E-6
Cesium-137	Ci	4.32E-4	1.27E-4	4.19E-6	1.05E-4
Chromium-51	Ci		1.13E-3	1.93E-6	
Cobalt-58	Ci	1.28E-4	1.85E-2	6.55E-5	2.33E-5
Cobalt-60	Ci	8.41E-5	3.07E-3	1.56E-4	1.20E-5
Manganese-54	Ci	4.12E-5	2.15E-3	2.73E-7	9.21E-7
Zinc-65	Ci				
Niobium-95	Ci		1.15E-3	1.14E-6	
Cerium-139	Ci	1.33E-6	4.92E-6		
Zirconium-95	Ci		1.49E-4	2.31E-6	
Ruthenium-106	Ci		1.48E-4		
Yttrium-88	Ci		3.60E-6		
Total for Period	Ci	9.65E-4	2.65E-2	2.35E-4	1.43E-4

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1983

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Units	3RD QUARTER	4TH QUARTER	Est. Total Error, %
A. FISSION AND ACTIVATION GASES				
1. Total release	Ci.	4.94E+1	2.23E+1	17.2
2. Average release rate for period.	µCi/sec	6.21E0	2.81E0	
3. Percent of Technical Specification limit.	% γ	6.32E-2	2.74E-2	
	% β	7.36E-2	2.52E-2	
B. IODINES				
1. Total Iodine-131	Ci	1.90E-2	1.65E-3	8.3
2. Average release rate for period.	µCi/Sec	2.39E-3	2.08E-4	
3. Percent of Technical Specification limit.	%	4.47E0	9.28E-1	
C. PARTICULATES				
1. Particulates with half-lives > 8 days.	Ci	1.20E-3	2.66E-2	28.9
2. Average release rate for period.	µCi/sec	1.51E-4	3.35E-3	
3. Percent of Technical Specification limit.	%	4.47E0	9.28E-1	
4. Gross alpha radio-activity.	Ci	<7.49E-5	<6.30E-5	
D. TRITIUM				
1. Total release.	Ci	6.96E-1	2.47E0	2.8
2. Average release rate for period.	µCi/sec	8.76E-2	3.11E-1	
3. Percent of Technical Specification limit.	%	6.11E-1	2.40E0	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1983

LIQUID EFFLUENTS

Nuclides Released		BATCH MODE 3RD Quarter	BATCH MODE 4TH Quarter	CONTINUOUS MODE 3RD Quarter	CONTINUOUS MODE 4TH Quarter
Strontium-85	Ci			1.18E-4	
Strontium-89	Ci	4.43E-5	*		
Strontium-90	Ci	1.30E-5	*		
Cesium-134	Ci	2.64E-3	2.85E-3	3.43E-4	6.98E-4
Cesium-137	Ci	9.24E-3	3.18E-3	1.30E-3	1.63E-3
Iodine-131	Ci	1.37E-4	2.80E-4	5.16E-4	7.11E-4
Strontium-92	Ci	6.70E-4	5.63E-3		
Iron-55	Ci	3.12E-2			
Cobalt-58	Ci	9.78E-3	4.68E-2	9.89E-4	5.93E-2
Cobalt-60	Ci	1.81E-2	2.17E-2	3.40E-3	1.79E-2
Cesium-138	Ci				5.29E-4
Zinc-65	Ci	3.14E-4	3.02E-4		
Manganese-54	Ci	9.89E-4	1.94E-3	6.44E-5	5.84E-3
Chromium-51	Ci	1.06E-3	1.95E-3		3.46E-3
Iodine-130	Ci				5.16E-4
Ruthenium-106	Ci		8.59E-4		2.32E-4
Zirconium-Niobium-95	Ci	1.67E-3	2.25E-3		3.46E-3
Molybdenum-99	Ci				
Technetium-99M	Ci	4.00E-5			
Barium-Lanthanum-140	Ci		5.56E-5		3.19E-4
Antimony-125	Ci		9.03E-4		
Antimony-124	Ci		2.38E-3		5.50E-5
Iodine-134	Ci			6.54E-4	1.88E-3
Cesium-136	Ci				
Sodium-24	Ci			2.19E-5	1.10E-4
Iodine-133	Ci	1.81E-5	9.65E-6	6.26E-3	1.05E-2
Cobalt-57	Ci	2.63E-5	1.61E-4		
Zirconium-97	Ci	3.22E-5	6.39E-4		
Silver-110M	Ci	1.77E-3	1.26E-2		
Cerium-144	Ci				
Iodine-135	Ci			5.13E-3	1.09E-2
Xenon-133	Ci	2.70E-2	1.12E-3	1.84E-3	3.87E-3
Xenon-131M	Ci				
Xenon-133M	Ci	3.52E-4			
Xenon-135	Ci	1.05E-3	2.66E-5	8.20E-3	2.74E-2
Argon-41	Ci				

*Strontium analysis results were unavailable at the time of submittal.

Page 1 of 1
Revision 0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1983

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	3RD BATCH Quarter	4TH Quarter	3RD CONTINUOUS Quarter	4TH Quarter	Est. Total Error, %
A. FISSION AND ACTIVATION PRODUCTS						
1. Total Release (Not including Tritium, Alpha, Gases)	Ci	7.77E-2	1.12E-1	1.88E-2	1.18E-1	6.54
2. Average diluted concentration during period.	µCi/ml	3.63E-9	8.75E-9	3.46E-11	2.23E-10	
3. Percent of applicable limit.	%	1.00E-2	2.71E-2	1.75E-3	3.26E-3	
B. TRITIUM						
1. Total Release	Ci	3.00E+2	1.22E+2	1.01E0	2.44E0	0.28
2. Average diluted concentration during period.	µCi/ml	1.40E-5	9.53E-6	1.86E-9	4.61E-9	
3. Percent of applicable limit.	%	4.67E-1	3.18E-1	6.19E-5	1.54E-4	
C. DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	2.84E-2	1.15E-3	1.00E-2	3.13E-2	4.75
2. Average diluted concentration during period.	µCi/ml	1.33E-9	8.98E-11	1.84E-11	5.92E-11	
3. Percent of applicable limit.	%	6.64E-4	4.49E-5	9.19E-6	2.96E-5	

	UNIT	BATCH 3RD Quarter	BATCH 4TH Quarter	CONTINUOUS 3RD Quarter	CONTINUOUS 4TH Quarter	Est. Total Error, %
D. GROSS ALPHA RADIOACTIVITY						
1. Total Release	ci	<1.96E-3	4.42E-3	NA	NA	11.80
E. VOLUME OF WASTE RELEASED	Liters	2.60E+6	1.89E+6	1.41E+8	1.75E+8	2.00
F. VOLUME OF DILUTION WATER USED DURING PERIOD	Liters	2.14E+10	1.28E+10	5.44E+11	5.29E+11	3.48

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND HALF 1983

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite for Burial or Disposal

1.

Type of Waste	Unit	6 month Period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m^3 Ci	1.88E+2 1.30E+3	1 E 0 4 E 0
b. Dry compressible waste, contaminated equipment, etc.	m^3 Ci	1.49E+2 4.67E+1	1 E 0 2 E 0
c. Irradiated components, control rods, etc.	m^3 Ci		
d. Other	m^3 Ci		

2. Estimate of Major Nuclide Composition

a.	CS-137	33 %
	CS-134	12 %
	CO-58	32 %
	CO-60	23 %
b.	CO-60	7 %
	CO-58	93 %
	CS-137	0 %

3. Solid Waste Disposition

No. of Shipments	Mode of Transportation	Destination
27	Truck	Barnwell, SC
5	Truck	Richland, WA

4. Type of Containers Used for Shipment

Resins - Type A Dry Non-compressible Waste - Strong Tight
Evaporator Bottoms - Strong Tight Filters - Type A
Dry Compressible Waste - SPEC 7A *All were shipped marked Radioactive LSA

5. Solidification Agent

Resins and Evaporator Bottoms are Solidified in Cement.

*1 Drum of Filters sent to the Richland Burial Site was classified Radioactive Material, N.O.S. and labeled Radioactive Yellow - II

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT
1983
YEARLY RELEASE RATES

I. Gases

A. Fission and Activation Gases

	Units	
1. Total Release	ci	3.28E+2
2. Average Release Rate	µci/sec	1.04E+1
3. % of Technical Specification Limits	γ%	1.97E-1
	β%	2.61E-1

B. Iodines

1. Total Iodine-131 Released	ci	2.18E-2
2. Average Release Rate	µci/sec	6.91E-4
3. % of Technical Specification Limit	%	3.51E0

C. Particulates

1. Total Release	ci	3.57E-2
2. Average Release Rate	µci/sec	1.13E-3
3. % of Technical Specification Limit	%	3.51E0

II. Liquids

A. Fission and Activation Products - Batch Releases

1. Total Release		ci	4.47E-1
2. Average Diluted Concentration		µci/ml	7.67E-9
3. % of Technical Specification Limit	Total Body	%	8.07E0
	Liver - GI Tract	%	3.53E0

RELEASE NUMBER	START DATE STOP DATE	START TIME STOP TIME	H3	I 131	I 133	Xe 133	Xe 133m	Xe 135	Xe 131m	Kr 85	Co 60	Co 58	Cs 137	Cs 134	Mn 54	Cr 51	Zr -95	Nb-95	Kr-85m	Kr-88	Ar-41
G-83-21	07-09-83 07-09-83	0722 0930	7.75E-5			5.96E-3			2.01E-3	4.20E-1	4.16E-8	4.51E-8									
G-83-22	07-11-83 07-11-83	0302 0428	1.73E-5			4.41E-2			9.33E-3	3.06E-1											
G-83-23	07-16-83 10-12-83	1556 2347	8.18E-7	4.91E-6		6.35E 0	4.70E-2	1.02E-1	1.28E-1		9.12E-7	8.00E-7	3.54E-6	3.93E-6							
G-83-24	07-17-83 07-17-83	2034 2152	2.54E-5	5.73E-8		1.88E-1	7.28E-5	1.99E-5	1.32E-2	2.97E-1	5.29E-7	1.56E-7									
G-83-25	07-17-83 07-18-83	2249 0023	1.91E-5	8.43E-8		1.41E-1	1.21E-4	1.26E-4	1.03E-2	2.77E-1	1.03E-7										
G-83-26	07-22-83 07-22-83	1854 2017	1.43E-5	3.57E-7		7.24E-2			6.91E-3	2.73E-1	1.84E-6	1.96E-5			2.73E-7	1.93E-6	2.31E-6	1.14E-6			
G-83-27	07-22-83 07-22-83	1247 1406	2.74E-5	6.64E-7		9.16E-2	9.52E-5		8.06E-3	2.86E-1	1.93E-7	6.99E-7									
G-83-28	08-11-83 08-11-83	0653 0813	3.13E-5	1.31E-5		1.40E-1	2.05E-4	2.22E-5	1.01E-2	7.61E-2	1.59E-6	5.78E-7	4.48E-7	1.88E-7							
G-83-29	08-27-83 08-27-83	0635 0819	1.37E-5	2.15E-7		7.92E-2			1.47E-2	2.21E-1	1.89E-6	2.48E-7	1.01E-7								
G-83-30	08-27-83 08-27-83	1429 1550	1.17E-5	2.00E-7	1.59E-7	3.48E-1	4.96E-3	3.04E-2		1.56E-1	4.48E-7	5.81E-8	6.49E-8						5.65E-4	1.58E-4	4.49E-4
G-83-31	08-28-83 08-29-83	2232 0002	1.57E-5			8.45E-2		1.85E-5	1.61E-2	2.34E-1	4.50E-8										
G-83-32	08-29-83 08-29-83	1424 1532	8.48E-6	1.53E-7	5.33E-8	2.83E-1	3.34E-3	3.45E-3		1.66E-1	1.11E-7	4.97E-8	3.65E-8								
G-83-33	08-30-83 08-30-83	2045 2212	8.10E-6	9.21E-8		7.11E-2	2.62E-4	8.07E-6	3.71E-3	1.66E-1	4.84E-5	4.33E-5									
G-83-34	08-31-83 08-31-83	0550 0725	1.12E-6	3.07E-7		5.60E-2	5.14E-4	1.72E-4	2.87E-3	9.92E-2	9.99E-5										
G-83-35	10-03-83 10-03-83	2145 2302	2.64E-6			2.60E-3			7.83E-4	1.94E-1	1.18E-8										
G-83-36	10-04-83 10-04-83	0242 0337	7.04E-6			1.37E-2		6.06E-6	9.24E-4	1.19E-1	6.23E-8		3.17E-8								
G-83-37	10-07-83 10-07-83	0035 0150	1.28E-5	7.85E-8		2.55E-2	1.28E-4	3.05E-4		5.26E-2	1.45E-7		9.52E-8								7.37E-5
G-83-38	10-12-83 10-12-83	1118 1229	1.59E-5			4.20E-2	2.39E-4	1.62E-4	1.33E-3	7.47E-2	5.95E-8	8.34E-8	8.75E-8								
G-83-39	10-11-83 10-11-83	0552 0708	9.85E-6			2.03E-3			2.94E-4	2.05E-1	6.46E-8	8.87E-8	1.76E-7	8.97E-8							

RELEASE NUMBER	START DATE STOP DATE	START TIME STOP TIME	H3	I 131	I 133	Xe 133	Xe 133m	Xe 135	Xe 131m	Kr 85	Co 60	Co 58	Cs 137	Cs 134	Mn 54	Cr 51	Ar-41
G-83-40	10-12-83 10-12-83	1448 1616	2.15E-5			6.14E-2	1.56E-4			1.40E-1	5.39E-8	4.02E-8					
G-83-41	10-17-83 10-17-83	0003 0123	1.29E-5			2.41E-2		4.38E-4	8.17E-4	1.13E-1	7.56E-8	3.77E-8					4.00E-5
G-83-42	10-16-83 10-16-83	0854 1016	5.00E-6			9.17E-4		8.99E-5		1.27E-1	4.01E-8	4.29E-8					
G-83-43	10-17-83 11-04-83	1230 2146	2.91E-2	3.15E-6	3.93E-6	5.83E-1		1.60E-2			1.68E-6						
G-83-44	10-18-83 10-18-83	0435 0555	7.89E-6			3.45E-2	5.33E-5		1.24E-3	1.12E-1	1.34E-7	2.17E-7					
G-83-45	10-19-83 10-19-83	1729 1855	1.09E-4	2.35E-6	5.60E-7	1.26E 0					8.34E-8	5.44E-8					
G-83-46	10-20-83 10-20-83	0537 0659	3.47E-3	2.97E-7		4.88E-2	2.78E-4	3.72E-5	1.50E-3	1.15E-1	1.09E-7						
G-83-47	10-21-83 10-21-83	1222 1331	9.73E-6			2.60E-2	7.41E-5		1.18E-3	1.01E-1	3.15E-7	1.53E-7					
G-83-48	10-22-83 10-22-83	0144 0324	4.74E-5	4.06E-7		3.35E-1	9.49E-3	8.24E-5		1.02E-1	8.61E-8						
G-83-49	10-22-83 10-22-83	2054 2221	7.72E-5	2.91E-6	1.71E-7	3.49E-1	5.05E-3	2.81E-5		9.51E-2	1.76E-7	1.05E-7					
G-83-50	11-04-83 11-04-83	1942 2106	5.66E-4	2.42E-7		4.36E-2	1.26E-4	1.00E-4	1.74E-3	6.35E-2	3.89E-6	1.33E-5	2.20E-6	1.05E-6	5.30E-7		
G-83-51	11-07-83 11-07-83	1456 1630	3.67E-5	2.59E-7		5.78E-2			2.23E-3	9.36E-2	4.26E-8	4.64E-8	1.02E-4				
G-83-52	11-08-83 11-08-83	1140 1250	5.10E-3	2.48E-7		5.29E-2	1.56E-4	1.75E-5	2.33E-3	1.28E-1		4.87E-8	2.39E-8				
G-83-53	11-08-83 11-20-83	2314 1852	6.00E-3														
G-83-54	11-09-83 11-09-83	0600 0720	7.10E-5	1.13E-6		9.14E-2		3.41E-5	4.00E-3	8.66E-2	2.05E-7	5.77E-8	5.57E-8				
G-83-55	11-09-83 11-09-83	1320 1451	1.69E-5	7.24E-8		4.72E-2		1.58E-5	2.13E-3	9.42E-2		4.72E-8					
G-83-56	11-10-83 11-11-83	2327 0056	3.16E-5	4.07E-7		8.10E-2			4.22E-3	9.17E-2	8.57E-8		8.13E-8				
G-83-57	11-11-83 11-11-83	1405 1534	2.28E-5	1.81E-7		3.29E-2			1.65E-3	1.03E-1	2.58E-6	8.42E-6	7.70E-7	3.90E-7	3.91E-7		
G-83-58	11-24-83 12-12-83	1213 1338	1.46E-3			6.32E-2		2.89E-3									

RELEASE NUMBER	START DATE STOP DATE	START TIME STOP TIME	H3	I-131	I-133	Xe-133	Xe-133m	Xe-135	Xe-131m	KR 85	Co 60	Co 58	Cs 137	Cs 134	Mn 54	Cr 51		
G-83-59	11-24-83 11-24-83	0858 1020	1.85E-5	6.06E-8		5.95E-3		1.38E-5	3.69E-4	9.29E-2	2.51E-7	3.92E-7						
G-83-60	11-24-83 11-24-83	2141 2255	1.18E-5	2.48E-7		2.10E-2	2.21E-4	3.83E-4	9.34E-4	1.10E-1	6.23E-8	5.06E-8	5.25E-8					
G-83-61	11-26-83 11-26-83	2003 2115	2.44E-5	3.14E-7	6.26E-8	3.89E-2	1.47E-4	4.39E-5	2.15E-3	1.61E-1	7.86E-8							
G-83-62	11-26-83 11-26-83	1004 1113	1.57E-5	7.35E-8		5.56E-3		7.61E-5	3.11E-4	1.21E-1	8.31E-8	8.40E-8						
G-83-63	11-27-83 11-27-83	2132 2258	1.88E-5	1.55E-7		1.86E-2	7.18E-5	1.42E-4	1.14E-3	1.47E-1	1.19E-6							
G-83-64	11-28-83 11-29-83	2249 0024	6.63E-5	1.60E-6		6.50E-1	7.50E-3	8.80E-5	4.19E-2	5.44E-1	8.07E-8	5.94E-8	2.77E-8					
G-83-65	12-15-83 12-15-83	1125 1234	1.53E-4	1.44E-7		1.02E-1			8.25E-3	5.57E-1	1.20E-7							
G-83-66	12-15-83 12-15-83	1508 1628	2.21E-5	8.40E-8		2.52E-2			1.71E-3	2.15E-1	1.40E-7							
G-83-66A	12-17-83 12-17-83	1901 2033	2.89E-5	4.71E-7		2.40E-1	2.15E-3	2.46E-4	8.02E-3	2.84E-1	6.65E-8							

APPENDIX 1.2

SUMMARY OF MAXIMUM INDIVIDUAL DOSES FOR THIRD QUARTER OF 1983

The following distances were used in the calculation of the maximum individual doses:

SECTOR - DIRECTION	SITE BOUNDARY (METERS)	NEAREST RESIDENCE (METERS)
B - NNE	617	814
C - NE	789	1052
D - ENE	1497	1852
E - E	1274	1705
F - ESE	972	1628
G - SE	629	914
H - SSE	594	1093
J - S	594	863
K - SSW	629	770

3RD QUARTER - 1983

SUMMARY OF MAXIMUM INDIVIDUAL DOSES

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERLY LIMIT (MR)
Liquid	Total Body	3.43E-2	Adult	Receptor 1	2.29E0	1.5
Liquid	Liver	4.68E-2	Teen	Receptor 1	9.36E-1	5.0
Noble Gas	Air Dose (Gamma-mrad)	3.16E-3	All	617 NNE	6.32E-2	5.0
Noble Gas	Air Dose (Beta-mrad)	7.36E-3	All	789 NE	7.36E-2	10.0
Noble Gas	Total Body	1.17E-3	All	814 NNE	2.34E-2	Yearly 5.0
Noble Gas	Skin	2.91E-3	All	814 NNE	1.94E-2	Yearly 15.0
Iodines and Particulates	Thyroid	3.35E-1	Child	814 NNE	4.47E0	7.5

FOR RECEPTOR NUMBER 1

TOTAL LIQUID DOSE ACCUMULATIONS(REM)
START DATE 83 7 1 1 END DATE 83 93824

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	1.8E-07	5.4E-06	5.3E-06	5.5E-06	5.2E-06	5.1E-06	5.3E-06	0.0E 00
TEEN	1.7E-07	3.8E-06	3.7E-06	3.9E-06	3.7E-06	3.6E-06	3.7E-06	0.0E 00
CHILD	5.0E-07	7.4E-06	7.0E-06	7.8E-06	7.0E-06	6.9E-06	7.0E-06	0.0E 00
INFANT	5.1E-07	7.4E-06	6.8E-06	8.2E-06	6.9E-06	6.8E-06	6.8E-06	0.0E 00
SHORE								
ADULT	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	6.3E-08
TEEN	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	2.5E-07	3.8E-07
CHILD	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	6.3E-08	6.2E-08
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
FW SPT	FISH							
ADULT	2.7E-05	4.1E-05	2.0E-05	6.5E-07	1.4E-05	4.0E-06	1.0E-05	6.9E-11
TEEN	2.8E-05	4.3E-05	1.6E-05	5.7E-07	1.4E-05	5.7E-06	7.4E-06	5.3E-11
CHILD	3.5E-05	3.8E-05	6.5E-06	5.7E-07	1.2E-05	4.6E-06	2.8E-06	2.3E-11
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00

TYPE [C] TO CONTINUE

TOTAL LIQUID DOSE ACCUMULATIONS(REM)
START DATE 83 7 1 1 END DATE 83 93024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN	TOTAL
ADULT	2.7E-05	4.7E-05	3.4E-05	6.2E-06	1.0E-05	1.8E-05	1.6E-05	5.3E-08	
TEEN	2.0E-05	4.7E-05	2.0E-05	4.7E-06	1.8E-05	9.6E-06	1.1E-05	3.0E-07	
CHILD	3.6E-05	4.5E-05	1.4E-05	8.4E-06	1.9E-05	1.2E-05	9.8E-06	6.2E-08	
INFANT	5.1E-07	7.4E-06	6.8E-06	8.2E-06	6.9E-06	6.8E-06	6.8E-06	0.0E 00	

RECEPTOR NUMBER - TYPE (1-5)

```
DOSE TYPE
ENTER: [GA]     GAMMA
       [BE]     BETA
       [RETURN] GO BACK TO PREVIOUS OPTION

DATES OF TOTAL AIR DOSE ACCUMULATION ARE FROM 83 7 1 1 TO 83 930 0
DOSE ACCUMULATION FOR GAMMA
**DIRECTION FROM  N
 1.2658E-06    1.5762E-07    7.5977E-08    4.5837E-08    3.2382E-08
 1.6385E-08    6.5501E-09    3.3255E-09    2.1684E-09    1.5789E-09
**DIRECTION FROM NNE
 1.8419E-06    2.2377E-07    1.0117E-07    5.8308E-08    4.0541E-08
 1.9918E-08    7.4819E-09    3.6588E-09    2.3186E-09    1.6588E-09
**DIRECTION FROM NE
 2.1554E-06    2.7064E-07    1.2884E-07    7.6421E-08    5.3618E-08
 2.6767E-08    1.0465E-08    5.2298E-09    3.3602E-09    2.4207E-09
**DIRECTION FROM ENE
 3.0948E-06    3.5172E-07    1.7652E-07    1.0941E-07    7.8443E-08
 4.0666E-08    1.6636E-08    8.3786E-09    5.3038E-09    3.9571E-09
**DIRECTION FROM  E
 2.9899E-06    3.5551E-07    1.7089E-07    1.1131E-07    7.9544E-08
 4.0928E-08    1.6728E-08    8.4548E-09    5.4597E-09    3.9958E-09
**DIRECTION FROM ESE
 4.2872E-06    4.7016E-07    2.4596E-07    1.5472E-07    1.1132E-07
 5.7925E-08    2.3042E-08    1.2106E-08    7.8076E-09    5.7427E-09
**DIRECTION FROM SE
 5.8045E-06    6.4301E-07    3.3211E-07    2.0971E-07    1.5111E-07
 7.8820E-08    3.2687E-08    1.6542E-08    1.0672E-08    7.8586E-09
**DIRECTION FROM SSE
 5.0111E-06    5.4886E-07    2.8518E-07    1.8072E-07    1.3049E-07
 6.8289E-08    2.8428E-08    1.4488E-08    9.2927E-09    6.8522E-09
**DIRECTION FROM  S
 3.9848E-06    4.6809E-07    2.3369E-07    1.4432E-07    1.0328E-07
 5.3382E-08    2.1791E-08    1.0999E-08    7.0938E-09    5.1951E-09
**DIRECTION FROM SSW
 3.1964E-06    3.7007E-07    1.8513E-07    1.1264E-07    8.0278E-08
 4.1274E-08    1.6639E-08    8.3538E-09    5.3788E-09    3.9183E-09
**DIRECTION FROM SW
 3.4268E-06    4.4482E-07    2.0792E-07    1.2263E-07    8.6208E-08
 4.3378E-08    1.6932E-08    8.4268E-09    5.4024E-09    3.8928E-09
**DIRECTION FROM WSW
 3.9556E-06    4.9887E-07    2.2617E-07    1.3232E-07    9.2531E-08
 4.6896E-08    1.7747E-08    8.7988E-09    5.6305E-09    4.0434E-09
**DIRECTION FROM  W
 2.1813E-06    2.5869E-07    1.1586E-07    6.8022E-08    4.7686E-08
 2.3877E-08    9.2698E-09    4.6353E-09    2.9834E-09    2.1534E-09
**DIRECTION FROM WNW
 2.6074E-06    2.6651E-07    1.2817E-07    7.7886E-08    5.5741E-08
 2.9038E-08    1.2011E-08    6.3095E-09    4.1865E-09    3.0971E-09
**DIRECTION FROM NW
 1.3189E-06    1.5081E-07    6.8203E-08    3.9496E-08    2.7494E-08
 1.3591E-08    5.1661E-09    2.5627E-09    1.6416E-09    1.1779E-09
**DIRECTION FROM NNW
 1.4559E-06    1.7222E-07    8.2678E-08    4.9933E-08    3.5388E-08
 1.8039E-08    7.2763E-09    3.7323E-09    2.4422E-09    1.7858E-09
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4022.0  5632.0  7248.0
 12867.0 24135.0 40225.0 56315.0 72405.0
ENTER: [RETURN] WHEN READY TO CONTINUE
```

```
DOSE TYPE
ENTER: [GA]     GAMMA
       [BE]     BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
31w3
     DATES OF TOTAL AIR DOSE ACCUMULATION ARE FROM 83 7 1 1 TO 83 930 0
 DOSE ACCUMULATION FOR BETA
 **DIRECTION FROM  N
  2.6268E-06    3.2852E-07    1.5910E-07    9.6513E-08    6.8102E-08
  3.4474E-08    1.3802E-08    7.0807E-09    4.5534E-09    3.3101E-09
 **DIRECTION FROM NNE
  3.8952E-06    4.7234E-07    2.1366E-07    1.2338E-07    8.5662E-08
  4.2074E-08    1.5806E-08    7.7277E-09    4.8976E-09    3.4846E-09
 **DIRECTION FROM NE
  4.5832E-06    5.6888E-07    2.6887E-07    1.6052E-07    1.1252E-07
  5.6841E-08    2.1869E-08    1.0910E-08    7.0122E-09    5.0476E-09
 **DIRECTION FROM ENE
  6.7950E-06    7.8421E-07    3.9807E-07    2.4122E-07    1.7265E-07
  8.9259E-08    3.6355E-08    1.8278E-08    1.1754E-08    8.6864E-09
 **DIRECTION FROM  E
  4.9307E-06    5.9078E-07    2.9228E-07    1.7953E-07    1.2761E-07
  6.5052E-08    2.6210E-08    1.3176E-08    8.4806E-09    6.1779E-09
 **DIRECTION FROM ESE
  7.6174E-06    8.7755E-07    4.4454E-07    2.7731E-07    1.9865E-07
  1.0263E-07    4.2060E-08    2.1235E-08    1.3691E-08    1.0037E-08
 **DIRECTION FROM SE
  1.0328E-05    1.1594E-06    5.9644E-07    3.7570E-07    2.7035E-07
  1.4078E-07    5.8229E-08    2.9485E-08    1.9036E-08    1.4085E-08
 **DIRECTION FROM SSE
  1.3114E-05    1.1797E-06    6.0178E-07    3.7712E-07    2.7031E-07
  1.3973E-07    5.7524E-08    2.9177E-08    1.8876E-08    1.3852E-08
 **DIRECTION FROM  S
  7.1761E-06    8.4867E-07    4.2276E-07    2.6068E-07    1.8651E-07
  9.6418E-08    3.9354E-08    1.9881E-08    1.2833E-08    9.3975E-09
 **DIRECTION FROM SSW
  5.8980E-06    7.0257E-07    3.4269E-07    2.0824E-07    1.4868E-07
  7.6659E-08    3.0972E-08    1.5564E-08    1.0015E-08    7.3192E-09
 **DIRECTION FROM SW
  8.1159E-06    1.0578E-06    5.0186E-07    2.9928E-07    2.1092E-07
  1.0644E-07    4.1080E-08    2.1023E-08    1.3538E-08    9.7788E-09
 **DIRECTION FROM WSW
  1.2341E-05    1.5517E-06    7.1592E-07    4.1891E-07    2.9312E-07
  1.4619E-07    5.6323E-08    2.7986E-08    1.7843E-08    1.2807E-08
 **DIRECTION FROM  W
  5.9491E-06    7.1765E-07    3.3133E-07    1.9426E-07    1.3613E-07
  6.8113E-08    2.6382E-08    1.3165E-08    8.4482E-09    6.0872E-09
 **DIRECTION FROM WNW
  7.0003E-06    7.4923E-07    3.5598E-07    2.1386E-07    1.5209E-07
  7.9858E-08    3.2871E-08    1.7208E-08    1.1388E-08    8.4898E-09
 **DIRECTION FROM NW
  2.4718E-06    2.8073E-07    1.2692E-07    7.3503E-08    5.1837E-08
  2.5862E-08    9.4562E-09    4.6734E-09    2.9847E-09    2.1346E-09
 **DIRECTION FROM NNW
  3.5076E-06    4.2240E-07    2.0399E-07    1.2362E-07    8.7785E-08
  4.4943E-08    1.8226E-08    9.3630E-09    6.1306E-09    4.4869E-09
  DISTANCES USED IN CALCULATIONS
    594.0  2416.0  4022.0  5632.0  7240.0
  12067.0 24135.0 40225.0 56315.0 72405.0
 ENTER: [RETURN] WHEN READY TO CONTINUE
```

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 7 1 1 THRU 83 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1,%pP 814. METERS, WINDS TOWARD NNE								
ADULT	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	2.0E-06
TEEN	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	2.0E-06
CHILD	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	2.0E-06
INFNT	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	2.0E-06
GROUND PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	3.3E-06
TEEN	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	3.3E-06
CHILD	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	3.3E-06
INFNT	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	3.3E-06
VEGET PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	1.8E-06	2.8E-07	1.6E-06	2.6E-06	1.3E-06	1.1E-04	2.6E-07	1.4E-08
TEEN	1.5E-06	2.6E-07	2.4E-06	3.7E-06	1.7E-06	9.2E-05	4.5E-07	1.7E-08
CHILD	1.2E-06	1.8E-07	5.5E-06	6.8E-06	2.5E-06	1.4E-04	6.7E-07	2.6E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NNE								
ADULT	4.2E-09	1.4E-09	3.7E-09	6.0E-09	3.3E-09	3.0E-07	6.3E-10	7.9E-11
TEEN	2.1E-09	7.8E-10	3.0E-09	4.8E-09	2.6E-09	2.2E-07	5.5E-10	4.7E-11
CHILD	1.6E-09	4.4E-10	5.6E-09	6.2E-09	3.3E-09	3.3E-07	6.5E-10	5.7E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NNE								
ADULT	4.2E-08	7.4E-09	4.1E-08	6.3E-08	5.4E-08	7.7E-06	4.5E-09	1.8E-10
TEEN	4.0E-08	9.8E-09	7.3E-08	1.1E-07	9.5E-08	1.2E-05	9.0E-09	2.3E-10
CHILD	6.1E-08	7.8E-09	1.8E-07	1.9E-07	1.6E-07	2.4E-05	1.4E-08	3.6E-10
INFNT	9.7E-08	7.8E-09	3.2E-07	4.0E-07	2.7E-07	5.8E-05	2.4E-08	5.5E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NNE								
ADULT	1.0E-07	1.0E-08	9.2E-08	1.5E-07	8.8E-08	9.2E-06	1.3E-08	3.6E-10
TEEN	1.1E-07	1.3E-08	1.7E-07	2.6E-07	1.6E-07	1.5E-05	2.7E-08	4.7E-10
CHILD	1.1E-07	1.1E-08	4.0E-07	4.4E-07	2.6E-07	2.9E-05	4.1E-08	7.3E-10
INFNT	1.5E-07	1.1E-08	6.8E-07	8.8E-07	4.3E-07	7.0E-05	7.3E-08	1.1E-09
INHAL PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	5.1E-08	2.8E-08	4.6E-08	7.6E-08	8.6E-08	1.3E-05	5.5E-08	8.0E-09
TEEN	5.2E-08	2.8E-08	6.4E-08	1.0E-07	1.2E-07	1.6E-05	7.7E-08	8.0E-09
CHILD	4.3E-08	1.2E-08	8.6E-08	9.7E-08	1.1E-07	1.7E-05	6.4E-08	7.1E-09
INFNT	2.8E-08	6.1E-09	6.2E-08	8.0E-08	6.9E-08	1.6E-05	4.1E-08	4.1E-09

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 7 1 1 THRU 83 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD NE								
ADULT	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	9.1E-07	2.6E-06
TEEN	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	9.1E-07	2.6E-06
CHILD	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	9.1E-07	2.6E-06
INFNT	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.7E-07	9.1E-07	2.6E-06
GROUND PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD NE								
ADULT	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.4E-06
TEEN	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.4E-06
CHILD	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.4E-06
INFNT	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.4E-06
VEGET PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD NE								
ADULT	1.8E-06	2.8E-07	1.6E-06	2.6E-06	1.3E-06	1.1E-04	2.6E-07	1.1E-08
TEEN	1.5E-06	2.6E-07	2.4E-06	3.8E-06	1.7E-06	9.1E-05	4.5E-07	1.2E-08
CHILD	1.3E-06	1.8E-07	5.6E-06	6.1E-06	2.5E-06	1.4E-04	6.7E-07	1.9E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NE								
ADULT	6.6E-09	2.1E-09	5.7E-09	9.3E-09	5.0E-09	4.5E-07	9.4E-10	8.4E-11
TEEN	3.2E-09	1.2E-09	4.7E-09	7.4E-09	4.0E-09	3.3E-07	8.4E-10	5.0E-11
CHILD	2.5E-09	6.5E-10	8.6E-09	9.6E-09	5.1E-09	5.0E-07	9.8E-10	6.8E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD NE								
ADULT	6.4E-08	1.1E-08	6.3E-08	9.7E-08	8.2E-08	1.2E-05	7.8E-09	1.9E-10
TEEN	7.6E-08	1.5E-08	1.1E-07	1.7E-07	1.4E-07	1.8E-05	1.4E-08	2.4E-10
CHILD	9.4E-08	1.2E-08	2.7E-07	2.9E-07	2.4E-07	3.6E-05	2.1E-08	3.8E-10
INFNT	1.5E-07	1.2E-08	4.9E-07	6.2E-07	4.1E-07	8.9E-05	3.8E-08	5.8E-10
GOAT PATHWAY, DIST GP= 1, .8845. METERS, WINDS TOWARD NE								
ADULT	1.6E-07	1.5E-08	1.4E-07	2.3E-07	1.4E-07	1.4E-05	2.1E-08	3.8E-10
TEEN	1.7E-07	2.0E-08	2.6E-07	4.0E-07	2.4E-07	2.2E-05	4.2E-08	5.0E-10
CHILD	1.7E-07	1.6E-08	6.2E-07	6.8E-07	3.9E-07	4.4E-05	6.3E-08	7.8E-10
INFNT	2.3E-07	1.6E-08	1.1E-06	1.4E-06	6.5E-07	1.1E-04	1.1E-07	1.2E-09
INHAL PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD NE								
ADULT	4.3E-08	1.6E-08	3.0E-08	6.4E-08	7.3E-08	1.1E-05	4.4E-08	6.0E-09
TEEN	4.4E-08	1.6E-08	5.5E-08	8.6E-08	9.8E-08	1.3E-05	6.2E-08	6.0E-09
CHILD	3.7E-08	9.7E-09	7.4E-08	8.2E-08	9.2E-08	1.5E-05	5.1E-08	6.4E-09
INFNT	2.3E-08	4.7E-09	5.3E-08	6.8E-08	5.9E-08	1.4E-05	3.3E-08	3.1E-09

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 7 1 1 THRU 83 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.5E-07	1.5E-06
TEEN	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.5E-07	1.6E-06
CHILD	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.5E-07	1.5E-06
INFNT	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.5E-07	1.5E-06
GROUND PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.7E-06
TEEN	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.7E-06
CHILD	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.7E-06
INFNT	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.7E-06
VEGET PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	1.5E-06	2.2E-07	1.3E-06	2.1E-06	1.1E-06	9.1E-05	2.1E-07	5.7E-09
TEEN	1.2E-06	2.0E-07	1.0E-06	3.8E-06	1.4E-06	7.5E-05	3.6E-07	6.5E-09
CHILD	1.0E-06	1.4E-07	4.5E-06	4.9E-06	2.0E-06	1.1E-04	5.4E-07	1.0E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 3862. METERS, WINDS TOWARD ENE								
ADULT	4.8E-08	1.5E-08	4.2E-08	6.8E-08	3.7E-08	3.4E-06	6.6E-09	2.7E-10
TEEN	2.3E-08	8.4E-09	3.5E-08	5.5E-08	3.0E-08	2.5E-06	6.0E-09	1.6E-10
CHILD	1.8E-08	4.5E-09	6.4E-08	7.1E-08	3.8E-08	3.7E-06	7.0E-09	2.0E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ENE								
ADULT	1.3E-07	2.3E-08	1.3E-07	2.0E-07	1.7E-07	2.5E-05	1.4E-08	2.2E-10
TEEN	1.6E-07	3.1E-08	2.4E-07	3.6E-07	3.1E-07	3.9E-05	2.9E-08	2.8E-10
CHILD	2.0E-07	2.4E-08	5.7E-07	6.1E-07	5.1E-07	7.8E-05	4.4E-08	4.4E-10
INFNT	3.1E-07	2.4E-08	1.0E-06	1.3E-06	8.6E-07	1.9E-04	7.8E-08	6.7E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ENE								
ADULT	3.3E-07	3.2E-08	3.0E-07	4.7E-07	2.8E-07	3.8E-05	4.3E-08	4.4E-10
TEEN	3.5E-07	4.2E-08	5.4E-07	8.3E-07	5.0E-07	4.7E-05	8.6E-08	5.7E-10
CHILD	3.5E-07	3.3E-08	1.3E-06	1.4E-06	8.2E-07	9.3E-05	1.3E-07	9.0E-10
INFNT	4.8E-07	3.3E-08	2.2E-06	2.8E-06	1.4E-06	2.3E-04	2.3E-07	1.4E-09
INHAL PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	2.7E-08	9.1E-09	2.5E-08	4.0E-08	4.6E-08	7.1E-06	2.7E-08	3.2E-09
TEEN	2.7E-08	9.2E-09	3.5E-08	5.3E-08	6.2E-08	8.7E-06	3.8E-08	3.2E-09
CHILD	2.3E-08	5.5E-09	4.7E-08	5.1E-08	5.8E-08	9.7E-06	3.1E-08	2.8E-09
INFNT	1.5E-08	2.6E-09	3.4E-08	4.3E-08	3.7E-08	8.9E-06	2.0E-08	1.6E-09

ENTER (C) TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 7 1 1 THRU 83 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.5E-07	7.7E-07
TEEN	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.5E-07	7.7E-07
CHILD	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.5E-07	7.7E-07
INFNT	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.5E-07	7.7E-07
GROUND PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	1.1E-06
TEEN	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	1.1E-06
CHILD	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	1.1E-06
INFNT	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	9.4E-07	1.1E-06
VEGET PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	5.9E-07	1.8E-07	5.2E-07	8.4E-07	4.3E-07	3.6E-05	8.3E-08	3.2E-09
TEEN	5.0E-07	9.6E-08	7.8E-07	1.2E-06	5.5E-07	3.8E-05	1.5E-07	3.7E-09
CHILD	4.1E-07	6.5E-08	1.8E-06	2.8E-06	8.2E-07	4.6E-05	2.2E-07	5.7E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E								
ADULT	6.0E-09	2.6E-09	5.2E-09	8.4E-09	4.6E-09	4.2E-07	8.2E-10	5.7E-11
TEEN	2.9E-09	1.4E-09	4.2E-09	6.7E-09	3.7E-09	3.0E-07	7.4E-10	3.4E-11
CHILD	2.3E-09	7.8E-10	7.8E-09	8.7E-09	4.6E-09	4.6E-07	8.6E-10	4.1E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD E								
ADULT	4.7E-08	8.3E-09	4.6E-08	7.1E-08	6.0E-08	8.7E-06	5.0E-09	1.1E-10
TEEN	5.6E-08	1.1E-08	8.2E-08	1.2E-07	1.1E-07	1.4E-05	1.0E-08	1.4E-10
CHILD	6.9E-08	8.6E-09	2.0E-07	2.1E-07	1.8E-07	2.7E-05	1.5E-08	2.2E-10
INFNT	1.1E-07	8.5E-09	3.6E-07	4.5E-07	3.0E-07	6.6E-05	2.7E-08	3.3E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD E								
ADULT	1.1E-07	1.1E-08	1.0E-07	1.6E-07	9.9E-08	1.0E-05	1.5E-08	2.1E-10
TEEN	1.2E-07	1.5E-08	1.9E-07	2.9E-07	1.7E-07	1.6E-05	3.0E-08	2.8E-10
CHILD	1.2E-07	1.2E-08	4.5E-07	4.9E-07	2.9E-07	3.3E-05	4.5E-08	4.4E-10
INFNT	1.7E-07	1.2E-08	7.6E-07	9.9E-07	4.8E-07	7.9E-05	8.1E-08	6.7E-10
INHAL PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	1.5E-08	5.6E-09	1.4E-08	2.2E-08	2.6E-08	4.1E-06	1.9E-08	1.8E-09
TEEN	1.5E-08	5.7E-09	1.9E-08	3.0E-08	3.5E-08	5.0E-06	2.7E-08	1.8E-09
CHILD	1.3E-08	3.3E-09	2.6E-08	2.9E-08	3.3E-08	5.6E-06	2.2E-08	1.6E-09
INFNT	8.4E-09	1.6E-09	1.9E-08	2.4E-08	2.1E-08	5.1E-06	1.5E-08	9.2E-10

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INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 7 1 1 THRU 83 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	3.1E-07	1.8E-06
TEEN	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	3.1E-07	1.8E-06
CHILD	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	3.1E-07	1.8E-06
EINFNT	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	2.9E-07	3.1E-07	1.8E-06
GROUND PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.3E-06
TEEN	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.3E-06
CHILD	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.3E-06
INFNT	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.3E-06
VEGET PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	6.6E-07	1.2E-07	5.8E-07	9.4E-07	5.0E-07	4.3E-05	9.2E-08	3.4E-09
TEEN	5.6E-07	1.1E-07	8.6E-07	1.4E-06	6.2E-07	3.6E-05	1.6E-07	3.9E-09
CHILD	4.7E-07	7.6E-08	2.0E-06	2.2E-06	9.3E-07	5.5E-05	2.4E-07	6.0E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE .								
ADULT	3.6E-08	1.4E-08	3.1E-08	5.1E-08	2.8E-08	2.7E-06	4.9E-09	2.7E-10
TEEN	1.8E-08	7.7E-09	2.5E-08	4.1E-08	2.3E-08	2.0E-06	4.4E-09	1.6E-10
CHILD	1.4E-08	4.2E-09	4.7E-08	5.3E-08	2.9E-08	3.0E-06	5.1E-09	1.9E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ESE								
ADULT	5.8E-08	9.1E-09	4.8E-08	7.5E-08	6.6E-08	9.6E-06	5.1E-09	1.1E-10
TEEN	5.9E-08	1.2E-08	8.7E-08	1.3E-07	1.2E-07	1.6E-05	1.0E-08	1.4E-10
CHILD	7.5E-08	9.5E-09	2.1E-07	2.2E-07	1.9E-07	3.0E-05	1.6E-08	2.2E-10
INFNT	1.2E-07	9.4E-09	3.8E-07	4.8E-07	3.3E-07	7.3E-05	2.8E-08	3.3E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ESE								
ADULT	1.2E-07	1.2E-08	1.1E-07	1.7E-07	1.1E-07	1.1E-05	1.5E-08	2.2E-10
TEEN	1.3E-07	1.6E-08	1.9E-07	3.0E-07	1.9E-07	1.8E-05	3.1E-08	2.8E-10
CHILD	1.3E-07	1.3E-08	4.6E-07	5.1E-07	3.1E-07	3.6E-05	4.7E-08	4.5E-10
INFNT	1.8E-07	1.3E-08	7.9E-07	1.0E-06	5.1E-07	8.7E-05	8.3E-08	6.8E-10
INHAL PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	1.1E-08	4.8E-09	1.0E-08	1.7E-08	2.1E-08	3.1E-06	1.5E-08	1.9E-09
TEEN	1.2E-08	4.9E-09	1.4E-08	2.3E-08	2.8E-08	3.8E-06	2.1E-08	1.9E-09
CHILD	1.0E-08	3.0E-09	1.9E-08	2.2E-08	2.6E-08	4.3E-06	1.7E-08	1.7E-09
INFNT	6.6E-09	1.5E-09	1.4E-08	1.8E-08	1.7E-08	3.9E-06	1.1E-08	9.6E-10

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FOR DATES 83 7 1 1 THRU 83 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE							
ADULT	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.3E-07	1.1E-06
TEEN	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.3E-07	1.1E-06
CHILD	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.3E-07	1.1E-06
INFNT	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.1E-07	4.3E-07	1.1E-06
GROUND	PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE							
ADULT	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.3E-06
TEEN	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.3E-06
CHILD	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.3E-06
INFNT	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.3E-06
VEGET	PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE							
ADULT	1.0E-06	2.2E-07	9.5E-07	1.5E-06	8.5E-07	8.2E-05	1.4E-07	5.3E-09
TEEN	8.9E-07	2.1E-07	1.4E-06	2.2E-06	1.0E-06	6.8E-05	2.5E-07	6.0E-09
CHILD	7.6E-07	1.4E-07	3.2E-06	3.5E-06	1.5E-06	1.0E-04	3.7E-07	9.3E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT	PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE							
ADULT	8.7E-09	4.0E-09	7.7E-09	1.2E-08	7.3E-09	7.7E-07	1.1E-09	6.9E-11
TEEN	4.4E-09	2.2E-09	6.3E-09	9.9E-09	5.9E-09	5.6E-07	1.0E-09	4.1E-11
CHILD	3.6E-09	1.2E-09	1.2E-08	1.3E-08	7.4E-09	8.4E-07	1.2E-09	4.9E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW	PATHWAY, DIST GP= 1, 6840. METERS, WINDS TOWARD SE							
ADULT	4.2E-08	8.5E-09	4.2E-08	6.4E-08	6.8E-08	9.2E-06	4.1E-09	8.8E-11
TEEN	5.1E-08	1.1E-08	7.5E-08	1.1E-07	1.1E-07	1.4E-05	8.1E-09	1.0E-10
CHILD	6.7E-08	8.9E-09	1.8E-07	1.9E-07	1.8E-07	2.9E-05	1.2E-08	1.7E-10
INFNT	1.1E-07	8.8E-09	3.3E-07	4.1E-07	3.0E-07	6.9E-05	2.2E-08	2.5E-10
GOAT	PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD SE							
ADULT	7.2E-08	8.5E-09	6.8E-08	1.1E-07	7.1E-08	8.3E-06	9.1E-09	1.3E-10
TEEN	8.0E-08	1.1E-08	1.2E-07	1.0E-07	1.2E-07	1.3E-05	1.8E-08	1.7E-10
CHILD	8.5E-08	8.9E-09	2.9E-07	3.2E-07	2.1E-07	2.6E-05	2.8E-08	2.7E-10
INFNT	1.2E-07	8.8E-09	5.1E-07	6.5E-07	3.5E-07	6.3E-05	5.0E-08	4.1E-10
INHAL	PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE							
ADULT	1.5E-08	7.0E-09	1.3E-08	2.3E-08	2.9E-08	4.3E-06	1.9E-08	2.9E-09
TEEN	1.6E-08	7.2E-09	1.9E-08	3.8E-08	3.8E-08	5.3E-06	2.7E-08	2.9E-09
CHILD	1.4E-08	4.5E-09	2.5E-08	2.9E-08	3.6E-08	6.0E-06	2.2E-08	2.6E-09
INFNT	9.3E-09	2.2E-09	1.9E-08	2.4E-08	2.3E-08	5.5E-06	1.4E-08	1.5E-09

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INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 7 1 1 THRU 83 93824

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.5E-07	8.8E-07
TEEN	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.5E-07	8.8E-07
CHILD	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.5E-07	8.8E-07
INFNT	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.5E-07	8.8E-07
GROUND PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.2E-06
TEEN	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.2E-06
CHILD	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.2E-06
INFNT	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.2E-06
VEGET PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	1.3E-06	2.0E-07	1.1E-06	1.8E-06	1.0E-06	9.5E-05	1.7E-07	4.7E-09
TEEN	1.1E-06	1.8E-07	1.7E-06	2.6E-06	1.2E-06	7.9E-05	3.0E-07	5.4E-09
CHILD	8.9E-07	1.2E-07	3.8E-06	4.2E-06	1.8E-06	1.2E-04	4.5E-07	8.3E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7425. METERS, WINDS TOWARD SSE								
ADULT	5.2E-09	1.6E-09	4.6E-09	7.4E-09	4.4E-09	4.5E-07	7.0E-10	3.9E-11
TEEN	2.6E-09	9.8E-10	3.8E-09	6.8E-09	3.5E-09	3.3E-07	6.3E-10	2.9E-11
CHILD	2.1E-09	4.9E-10	6.9E-09	7.7E-09	4.4E-09	4.9E-07	7.3E-10	2.8E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 6848. METERS, WINDS TOWARD SSE								
ADULT	6.7E-08	1.3E-08	6.6E-08	1.0E-07	9.5E-08	1.4E-05	6.6E-09	1.0E-10
TEEN	8.2E-08	1.7E-08	1.2E-07	1.8E-07	1.7E-07	2.3E-05	1.3E-08	1.3E-10
CHILD	1.1E-07	1.4E-08	2.9E-07	3.1E-07	2.8E-07	4.5E-05	2.0E-08	2.1E-10
INFNT	1.7E-07	1.3E-08	5.2E-07	6.6E-07	4.7E-07	1.1E-04	3.6E-08	3.2E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD SSE								
ADULT	1.2E-07	1.3E-08	1.1E-07	1.7E-07	1.1E-07	1.3E-05	1.5E-08	1.7E-10
TEEN	1.3E-07	1.7E-08	2.0E-07	3.0E-07	2.0E-07	2.1E-05	3.0E-08	2.2E-10
CHILD	1.4E-07	1.4E-08	4.7E-07	5.1E-07	3.3E-07	4.1E-05	4.5E-08	3.5E-10
INFNT	1.9E-07	1.4E-08	8.1E-07	1.0E-06	5.5E-07	9.9E-05	8.1E-08	5.3E-10
INHAL PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	2.4E-08	7.8E-09	2.3E-08	3.6E-08	4.1E-08	6.4E-06	2.1E-08	2.6E-09
TEEN	2.5E-08	7.9E-09	3.1E-08	4.8E-08	5.6E-08	7.9E-06	3.0E-08	2.6E-09
CHILD	2.0E-08	4.6E-09	4.2E-08	4.6E-08	5.2E-08	8.0E-06	2.5E-08	2.3E-09
INFNT	1.3E-08	2.2E-09	3.1E-08	3.9E-08	3.4E-08	8.0E-06	1.6E-08	1.3E-09

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FOR DATES 83 7 1 1 THRU 83 93824

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.4E-07	1.1E-06
TEEN	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.4E-07	1.1E-06
CHILD	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.4E-07	1.1E-06
INFNT	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.2E-07	4.4E-07	1.1E-06
GROUND PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.3E-06
TEEN	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.3E-06
CHILD	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.3E-06
INFNT	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.3E-06
)# VEGET PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	7.8E-07	1.4E-07	7.0E-07	1.1E-06	6.8E-07	7.3E-05	1.0E-07	6.0E-09
TEEN	6.6E-07	1.3E-07	1.0E-06	1.6E-06	8.2E-07	6.8E-05	1.8E-07	6.9E-09
CHILD	5.7E-07	8.6E-08	2.3E-06	2.5E-06	1.2E-06	9.2E-05	2.7E-07	1.1E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S								
ADULT	3.1E-09	1.0E-09	2.7E-09	4.4E-09	2.9E-09	3.3E-07	4.2E-10	4.7E-11
TEEN	1.6E-09	5.8E-10	2.2E-09	3.5E-09	2.3E-09	2.4E-07	3.7E-10	2.8E-11
CHILD	1.3E-09	3.3E-10	4.1E-09	4.6E-09	2.9E-09	3.6E-07	4.3E-10	3.4E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD S								
ADULT	2.2E-08	5.0E-09	2.3E-08	3.5E-08	3.5E-08	5.6E-06	2.0E-09	7.6E-11
TEEN	2.8E-08	6.7E-09	4.1E-08	6.1E-08	6.2E-08	8.8E-06	4.0E-09	9.0E-11
CHILD	3.9E-08	5.3E-09	9.7E-08	1.0E-07	1.0E-07	1.7E-05	6.1E-09	1.6E-10
INFNT	6.5E-08	5.3E-09	1.8E-07	2.3E-07	1.8E-07	4.2E-05	1.1E-08	2.4E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD S								
ADULT	5.0E-08	6.6E-09	4.6E-08	7.3E-08	5.3E-08	6.7E-06	6.0E-09	1.5E-10
TEEN	5.6E-08	8.7E-09	8.3E-08	1.3E-07	9.3E-08	1.1E-05	1.2E-08	2.0E-10
CHILD	6.3E-08	7.0E-09	2.0E-07	2.2E-07	1.5E-07	2.1E-05	1.8E-08	3.2E-10
INFNT	9.3E-08	7.0E-09	3.5E-07	4.5E-07	2.6E-07	5.1E-05	3.2E-08	4.8E-10
INHAL PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	2.5E-08	9.1E-09	2.3E-08	3.8E-08	4.4E-08	6.7E-06	2.4E-08	3.3E-09
TEEN	2.6E-08	9.2E-09	3.3E-08	5.1E-08	5.9E-08	8.3E-06	3.4E-08	3.3E-09
CHILD	2.2E-08	5.6E-09	4.4E-08	4.9E-08	5.5E-08	9.3E-06	2.8E-08	3.0E-09
INFNT	1.4E-08	2.7E-09	3.2E-08	4.1E-08	3.8E-08	8.5E-06	1.8E-08	1.7E-09

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 7 1 1 THRU 83 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.7E-07	1.9E-06
TEEN	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.7E-07	1.9E-06
CHILD	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.7E-07	1.9E-06
INFNT	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.7E-07	1.9E-06
GROUND PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	4.3E-06
TEEN	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	4.3E-06
CHILD	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	4.3E-06
INFNT	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	4.3E-06
VEGET PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	2.4E-06	3.7E-07	2.2E-06	3.5E-06	1.9E-06	1.7E-04	3.3E-07	1.0E-08
TEEN	2.0E-06	3.4E-07	3.2E-06	5.0E-06	2.3E-06	1.4E-04	5.8E-07	1.2E-08
CHILD	1.7E-06	2.3E-07	7.3E-06	8.1E-06	3.5E-06	2.2E-04	8.7E-07	1.8E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	4.9E-09	1.5E-09	4.3E-09	6.9E-09	4.8E-09	4.0E-07	6.6E-10	4.2E-11
TEEN	2.4E-09	8.3E-10	3.5E-09	5.5E-09	3.2E-09	2.9E-07	6.0E-10	2.5E-11
CHILD	1.9E-09	4.6E-10	6.4E-09	7.2E-09	4.0E-09	4.4E-07	6.9E-10	3.0E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	5.3E-08	1.0E-08	5.3E-08	8.1E-08	7.4E-08	1.1E-05	5.4E-09	9.8E-11
TEEN	6.5E-08	1.3E-08	9.5E-08	1.4E-07	1.3E-07	1.7E-05	1.1E-08	1.3E-10
CHILD	8.3E-08	1.1E-08	2.3E-07	2.4E-07	2.2E-07	3.4E-05	1.6E-08	2.0E-10
INFNT	1.3E-07	1.0E-08	4.1E-07	5.2E-07	3.7E-07	8.3E-05	2.9E-08	3.1E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	1.3E-07	1.4E-08	1.2E-07	1.8E-07	1.2E-07	1.3E-05	1.6E-08	2.0E-10
TEEN	1.4E-07	1.8E-08	2.1E-07	3.2E-07	2.1E-07	2.1E-05	3.2E-08	2.6E-10
CHILD	1.4E-07	1.4E-08	5.0E-07	5.5E-07	3.4E-07	4.1E-05	4.9E-08	4.1E-10
INFNT	2.0E-07	1.4E-08	8.5E-07	1.1E-06	5.7E-07	1.0E-04	8.7E-08	6.3E-10
INHAL PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	4.5E-08	1.6E-08	4.2E-08	6.7E-08	7.9E-08	1.2E-05	4.3E-08	5.7E-09
TEEN	4.6E-08	1.6E-08	5.8E-08	9.0E-08	1.1E-07	1.5E-05	6.8E-08	5.7E-09
CHILD	3.9E-08	9.7E-09	7.8E-08	8.7E-08	9.9E-08	1.7E-05	4.9E-08	5.1E-09
INFNT	2.5E-08	4.6E-09	5.7E-08	7.2E-08	6.4E-08	1.5E-05	3.2E-08	2.9E-09

ENTER [C] TO CONTINUE

APPENDIX 1.3

SUMMARY OF MAXIMUM INDIVIDUAL DOSES FOR FOURTH QUARTER OF 1983

4TH QUARTER - 1983

SUMMARY OF MAXIMUM INDIVIDUAL DOSES

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERLY LIMIT (MR)
Liquid	Total Body	2.31E-2	Adult	Receptor 1	1.54E0	1.5
Liquid	GI - Tract	4.58E-2	Teen	Receptor 1	9.16E-1	5.0
Noble Gas	Air Dose (Gamma-mrad)	1.37E-3	All	617 NNE	2.74E-2	5.0
Noble Gas	Air Dose (Beta-mrad)	2.52E-3	All	617 NNE	2.52E-2	10.0
Noble Gas	Total Body	5.01E-4	All	814 NNE	1.00E-2	5.0 Yearly
Noble Gas	Skin	1.24E-3	All	814 NNE	1.24E-2	Yearly 10.0
Iodines and Particulates	Thyroid	6.96E-2	Child	770 SSW	9.28E-1	7.5

FOR RECEPTOR NUMBER 1

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 8310 1 1 END DATE 83123124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	1.1E-07	2.7E-06	2.7E-06	3.2E-06	2.6E-06	2.5E-06	3.2E-06	0.0E 00
TEEN	1.1E-07	2.0E-06	1.0E-06	2.4E-06	1.8E-06	1.8E-06	2.2E-06	0.0E 00
CHILD	3.1E-07	3.8E-06	3.6E-06	5.1E-06	3.5E-06	3.4E-06	3.7E-06	0.0E 00
INFANT	3.2E-07	3.8E-06	3.5E-06	6.0E-06	3.4E-06	3.3E-06	3.5E-06	0.0E 00
SHORE								
ADULT	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	9.0E-08
TEEN	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	5.0E-07
CHILD	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	1.0E-07
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
FW SPT FISH								
ADULT	1.6E-05	2.8E-05	2.0E-05	7.8E-07	9.4E-06	3.2E-06	4.3E-05	0.0E 00
TEEN	1.7E-05	2.9E-05	1.2E-05	7.2E-07	9.5E-06	3.7E-06	3.8E-05	0.0E 00
CHILD	2.1E-05	2.5E-05	4.7E-06	7.8E-07	8.1E-06	2.9E-06	1.1E-05	0.0E 00
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00

TYPE [C] TO CONTINUE

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 8310 1 1 END DATE 83123124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN	TOTAL
ADULT	1.6E-05	3.1E-05	2.3E-05	4.1E-06	1.2E-05	5.8E-06	4.6E-05	9.8E-08	
TEEN	1.8E-05	3.1E-05	1.4E-05	3.5E-06	1.2E-05	5.9E-06	3.3E-05	5.8E-07	
CHILD	2.2E-05	2.9E-05	8.4E-06	5.9E-06	1.2E-05	6.4E-06	1.5E-05	1.8E-07	
INFANT	3.2E-07	3.8E-06	3.5E-06	6.8E-06	3.4E-06	3.3E-06	3.5E-06	0.0E 00	

RECEPTOR NUMBER - TYPE (1-5)

```
DOSE TYPE
ENTER: [GA]     GAMMA
       [BE]     BETA
       [RETURN] GO BACK TO PREVIOUS OPTION

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM8310 1 1 TO 83123124
DOSE ACCUMULATION FOR GAMMA
FOR RELEASE POINT   1
**DIRECTION FROM  N
 0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
**DIRECTION FROM NNE
 2.3531E-08    2.7225E-09    1.1957E-09    6.7738E-10    4.5682E-10
 2.0802E-10    7.0771E-11    3.2227E-11    1.9341E-11    1.2904E-11
**DIRECTION FROM NE
 5.3340E-09    6.1716E-10    2.7104E-10    1.5355E-10    1.0355E-10
 4.7360E-11    1.6043E-11    7.3053E-12    4.3842E-12    2.9455E-12
**DIRECTION FROM ENE
 1.8323E-08    2.1208E-09    9.3107E-10    5.2748E-10    3.5573E-10
 1.6269E-10    5.5109E-11    2.5095E-11    1.5061E-11    1.0118E-11
**DIRECTION FROM  E
 3.7378E-07    4.9955E-08    2.2702E-08    1.3070E-08    9.1548E-09
 4.5946E-09    1.7552E-09    8.5806E-10    5.4351E-10    3.8833E-10
**DIRECTION FROM ESE
 1.1345E-07    1.2415E-08    5.8108E-09    3.4493E-09    2.3078E-09
 1.1676E-09    4.3769E-10    2.0095E-10    1.3061E-10    9.2650E-11
**DIRECTION FROM SE
 3.8028E-07    4.4061E-08    1.9444E-08    1.1057E-08    7.4717E-09
 3.4316E-09    1.1731E-09    5.3707E-10    3.2464E-10    2.1935E-10
**DIRECTION FROM SSE
 6.6337E-08    8.7105E-09    4.2341E-09    2.5684E-09    1.8100E-09
 9.2437E-10    3.7149E-10    1.8050E-10    1.2237E-10    8.8087E-11
**DIRECTION FROM  S
 2.1697E-07    2.3741E-08    1.0753E-08    6.2445E-09    4.2769E-09
 2.0226E-09    7.2670E-10    3.4208E-10    2.1173E-10    1.4818E-10
**DIRECTION FROM SSW
 6.8551E-08    8.2038E-09    3.8044E-09    2.2977E-09    1.6382E-09
 8.5200E-10    3.4527E-10    1.7734E-10    1.1611E-10    8.5086E-11
**DIRECTION FROM SW
 6.8167E-08    7.9640E-09    3.5045E-09    1.9870E-09    1.3435E-09
 6.1865E-10    2.1158E-10    9.6052E-11    5.8482E-11    3.9526E-11
**DIRECTION FROM WSW
 1.0030E-07    9.7981E-09    4.1608E-09    2.3334E-09    1.5515E-09
 6.9213E-10    2.3083E-10    1.0035E-10    5.8637E-11    4.0507E-11
**DIRECTION FROM  W
 1.2972E-08    1.3153E-09    5.8228E-10    3.1469E-10    2.0041E-10
 9.3451E-11    3.0913E-11    1.4372E-11    8.0786E-12    6.2665E-12
**DIRECTION FROM WNW
 5.9495E-08    6.8837E-09    3.0231E-09    1.7127E-09    1.1558E-09
 5.2825E-10    1.7894E-10    8.1482E-11    4.8981E-11    3.2853E-11
**DIRECTION FROM NW
 2.6188E-08    3.0300E-09    1.3307E-09    7.5389E-10    5.0842E-10
 2.3252E-10    7.8764E-11    3.5867E-11    2.1525E-11    1.4461E-11
**DIRECTION FROM NNW
 0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 DISTANCES USED IN CALCULATIONS
   564.0  2416.0  4022.0  5632.0  7240.0
  2867.0 24135.0 40225.0 56315.0 72405.0
ENTER: [RETURN] WHEN READY TO CONTINUE
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FOR RELEASE POINT   2
**DIRECTION FROM  N
 3.6561E-07    4.1988E-08    1.8449E-08    1.0473E-08    7.1174E-09
 3.3289E-09    1.1683E-09    5.4959E-10    3.4007E-10    2.3681E-10
**DIRECTION FROM NNE
 1.1038E-06    1.3500E-07    6.0123E-08    3.4288E-08    2.3542E-08
 1.1278E-08    4.0731E-09    1.0358E-09    1.2022E-09    8.3916E-10
**DIRECTION FROM NE
 5.7859E-07    6.6951E-08    3.0022E-08    1.7279E-08    1.1821E-08
 5.5946E-09    2.0877E-09    9.5273E-10    5.9122E-10    4.1238E-10
**DIRECTION FROM ENE
 1.2315E-06    1.4337E-07    6.9538E-08    4.2213E-08    2.9771E-08
 1.4942E-08    5.8861E-09    2.9213E-09    1.8637E-09    1.3474E-09
**DIRECTION FROM  E
 1.8251E-06    2.3815E-07    1.0983E-07    6.4994E-08    4.5718E-08
 2.2955E-08    8.9908E-09    4.4784E-09    2.8706E-09    2.0706E-09
**DIRECTION FROM ESE
 3.1365E-06    3.6314E-07    1.7571E-07    1.0652E-07    7.5176E-08
 3.7806E-08    1.4903E-08    7.3929E-09    4.7158E-09    3.4124E-09
**DIRECTION FROM SE
 3.2919E-06    3.9834E-07    1.9559E-07    1.1964E-07    8.4814E-08
 4.3841E-08    1.7259E-08    8.6774E-09    5.5897E-09    4.0661E-09
**DIRECTION FROM SSE
 1.7774E-06    2.1411E-07    1.0359E-07    6.2647E-08    4.4401E-08
 2.2577E-08    8.9854E-09    4.4832E-09    2.8716E-09    2.0841E-09
**DIRECTION FROM  S
 1.0768E-06    2.2602E-07    1.1118E-07    6.8078E-08    4.8465E-08
 2.4802E-08    9.9744E-09    4.9869E-09    3.1961E-09    2.3307E-09
**DIRECTION FROM SSW
 1.3192E-06    1.5779E-07    7.6479E-08    4.6418E-08    3.2795E-08
 1.6569E-08    6.5892E-09    3.3894E-09    2.1314E-09    1.5474E-09
**DIRECTION FROM SW
 1.2488E-06    1.5459E-07    7.1882E-08    4.1479E-08    2.8965E-08
 1.4376E-08    5.4856E-09    2.6923E-09    1.7891E-09    1.2229E-09
**DIRECTION FROM WSW
 9.1993E-07    1.1217E-07    5.2188E-08    3.0662E-08    2.1444E-08
 1.0668E-08    4.1009E-09    2.0251E-09    1.2917E-09    9.2772E-10
**DIRECTION FROM  W
 6.2713E-07    7.3988E-08    3.3353E-08    1.9268E-08    1.3268E-08
 6.3837E-09    2.3509E-09    1.1392E-09    7.1959E-10    5.0992E-10
**DIRECTION FROM WNW
 3.6123E-07    3.9512E-08    1.8399E-08    1.0933E-08    7.6139E-09
 3.7425E-09    1.4458E-09    7.2784E-10    4.7169E-10    3.4135E-10
**DIRECTION FROM NW
 7.6574E-07    8.6102E-08    3.8471E-08    2.2126E-08    1.5288E-08
 7.2834E-09    2.6621E-09    1.2888E-09    8.1273E-10    5.7428E-10
**DIRECTION FROM NNW
 5.9898E-07    7.1097E-08    3.2326E-08    1.8585E-08    1.2772E-08
 6.1221E-09    2.2389E-09    1.0697E-09    6.6951E-10    4.7046E-10
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4022.0  5632.0  7248.0
 12867.0 24135.0 40225.0 56315.0 72405.0
ENTER: [RETURN] WHEN READY TO CONTINUE
```

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DOSE TYPE
ENTER: [GA:     GAMMA
       [BE:     BETA
       [RETURN] GO BACK TO PREVIOUS OPTION

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM8310 1 1 TO 83123124
DOSE ACCUMULATION FOR BETA
FOR RELEASE POINT   1
**DIRECTION FROM  N
 0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
**DIRECTION FROM NNE
 4.7171E-07    5.4578E-08    2.3969E-08    1.3579E-08    9.1577E-09
 4.1883E-09    1.4187E-09    6.4604E-10    3.8772E-10    2.6048E-10
**DIRECTION FROM NE
 4.6407E-08    5.3694E-09    2.3581E-09    1.3359E-09    9.0805E-10
 4.1205E-10    1.3958E-10    6.3558E-11    3.8144E-11    2.5626E-11
**DIRECTION FROM ENE
 3.8541E-07    4.4593E-08    1.9584E-08    1.1095E-08    7.4823E-09
 3.4220E-09    1.1592E-09    5.2784E-10    3.1678E-10    2.1282E-10
**DIRECTION FROM  E
 1.3513E-06    1.7251E-07    8.0186E-08    4.6988E-08    3.3057E-08
 1.6739E-08    6.5022E-09    3.1049E-09    2.0277E-09    1.4588E-09
**DIRECTION FROM ESE
 1.2242E-06    1.2876E-07    6.2968E-08    3.8402E-08    2.7243E-08
 1.3732E-08    5.4081E-09    2.6542E-09    1.6760E-09    1.2140E-09
**DIRECTION FROM SE
 2.0172E-06    2.4362E-07    1.1510E-07    6.8910E-08    4.7721E-08
 2.3021E-08    8.7012E-09    4.2688E-09    2.7067E-09    1.9213E-09
**DIRECTION FROM SSE
 5.2876E-07    6.8577E-08    3.3302E-08    2.0288E-08    1.4383E-08
 7.3248E-09    2.9536E-09    1.5034E-09    9.7703E-10    7.1223E-10
**DIRECTION FROM  S
 1.6254E-06    1.7265E-07    7.9655E-08    4.6911E-08    3.2406E-08
 1.5600E-08    5.7702E-09    2.7658E-09    1.7281E-09    1.2294E-09
**DIRECTION FROM SSW
 1.0835E-06    1.2860E-07    5.9216E-08    3.6484E-08    2.6114E-08
 1.3640E-08    5.6920E-09    2.9807E-09    1.9838E-09    1.4668E-09
**DIRECTION FROM SW
 9.9310E-07    1.2162E-07    5.4815E-08    3.0744E-08    2.1034E-08
 9.9868E-09    3.5598E-09    1.6735E-09    1.0302E-09    7.1269E-10
**DIRECTION FROM WSW
 1.0631E-06    9.8596E-08    4.1697E-08    2.3328E-08    1.5492E-08
 6.9130E-09    2.3131E-09    1.1078E-09    7.1246E-10    5.1054E-10
**DIRECTION FROM  W
 1.1186E-07    1.2128E-08    5.2588E-09    2.9616E-09    1.9848E-09
 8.0739E-10    3.0067E-10    1.3823E-10    8.4532E-11    5.7835E-11
**DIRECTION FROM WNW
 5.2837E-07    6.1133E-08    2.6848E-08    1.5210E-08    1.0258E-08
 4.6913E-09    1.5891E-09    7.2363E-10    4.3429E-10    2.9177E-10
**DIRECTION FROM NW
 3.9803E-07    4.6053E-08    2.0225E-08    1.1458E-08    7.7272E-09
 3.5340E-09    1.1971E-09    5.4512E-10    3.2715E-10    2.1979E-10
**DIRECTION FROM NNW
 0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4022.0  5632.0  7240.0
 12067.0 24135.0 40225.0 56315.0 72405.0
ENTER: [RETURN] WHEN READY TO CONTINUE
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FCP RELEASE POINT   2
**DIRECTION FROM  N
 3.2781E-07    3.6954E-08    1.6284E-08    9.2416E-09    6.2714E-09
 2.9206E-09    1.0206E-09    4.7948E-10    2.8614E-10    2.8589E-10
**DIRECTION FROM NNE
 1.2627E-06    1.2687E-07    5.6178E-08    3.1952E-08    2.1791E-08
 1.2266E-08    3.6267E-09    1.7007E-09    1.0459E-09    7.2289E-10
**DIRECTION FROM NE
 8.5446E-07    9.9532E-08    4.5249E-08    2.6388E-08    1.8869E-08
 8.6161E-09    3.1383E-09    1.4992E-09    9.3385E-10    6.5486E-10
**DIRECTION FROM ENE
 1.3352E-06    1.5933E-07    7.5466E-08    4.5861E-08    3.1559E-08
 1.5657E-08    6.8458E-09    2.9734E-09    1.8873E-09    1.3544E-09
**DIRECTION FROM  E
 1.6611E-06    2.0603E-07    9.7828E-08    5.7629E-08    4.0405E-08
 2.0147E-08    7.8149E-09    3.8691E-09    2.4698E-09    1.7758E-09
**DIRECTION FROM ESE
 2.6956E-06    3.1774E-07    1.5118E-07    9.0528E-08    6.3472E-08
 3.1548E-08    1.2221E-08    6.0288E-09    3.8245E-09    2.7487E-09
**DIRECTION FROM SE
 3.8177E-06    4.7038E-07    2.2523E-07    1.3536E-07    9.5365E-08
 4.7933E-08    1.8862E-08    9.3962E-09    6.0282E-09    4.3518E-09
**DIRECTION FROM SSE
 2.2378E-06    2.7612E-07    1.3221E-07    7.9379E-08    5.6051E-08
 2.8322E-08    1.1176E-08    5.5634E-09    3.5684E-09    2.5758E-09
**DIRECTION FROM  S
 2.4613E-06    2.8859E-07    1.3884E-07    8.3791E-08    5.9253E-08
 2.9997E-08    1.1883E-08    5.9227E-09    3.7931E-09    2.7521E-09
**DIRECTION FROM SSW
 1.4623E-06    1.7672E-07    8.3583E-08    4.9886E-08    3.4986E-08
 1.7437E-08    6.7007E-09    3.3786E-09    2.1646E-09    1.5603E-09
**DIRECTION FROM SW
 1.4507E-06    1.7778E-07    8.1088E-08    4.7181E-08    3.2697E-08
 1.6818E-08    6.8153E-09    2.9298E-09    1.8507E-09    1.3147E-09
**DIRECTION FROM WSW
 1.1714E-06    1.3956E-07    6.3945E-08    3.7337E-08    2.5923E-08
 1.2696E-08    4.7941E-09    2.3518E-09    1.4946E-09    1.0877E-09
**DIRECTION FROM  W
 9.8166E-07    1.1355E-07    5.1166E-08    2.9585E-08    2.0271E-08
 9.6352E-09    3.5848E-09    1.6878E-09    1.0624E-09    7.4962E-10
**DIRECTION FROM WNW
 5.4963E-07    6.2463E-08    2.8828E-08    1.6992E-08    1.1781E-08
 5.7481E-09    2.1885E-09    1.0825E-09    6.9522E-10    4.9958E-10
**DIRECTION FROM NW
 7.9862E-07    9.1342E-08    4.8665E-08    2.3295E-08    1.5994E-08
 7.6639E-09    2.7921E-09    1.3475E-09    8.4872E-10    5.9947E-10
**DIRECTION FROM NNW
 5.3431E-07    6.3368E-08    2.8274E-08    1.6198E-08    1.1078E-08
 5.2577E-09    1.8875E-09    8.9698E-10    5.5773E-10    3.8024E-10
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4022.0  5632.0  7240.0
 12067.0 24135.0 40225.0 56315.0 72405.0
ENTER: [RETURN] WHEN READY TO CONTINUE
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THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8310 1 1 THRU 83123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.1E-07	1.2E-06
TEEN	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.1E-07	1.2E-06
CHILD	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.1E-07	1.2E-06
INFNT	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.1E-07	1.2E-06
GROUND PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	2.2E-05
TEEN	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	2.2E-05
CHILD	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	2.2E-05
INFNT	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	2.2E-05
VEGET PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	1.1E-06	5.5E-06	4.5E-07	1.2E-06	3.4E-07	8.3E-06	8.9E-08	1.0E-08
TEEN	1.3E-06	5.4E-06	7.0E-07	1.7E-06	4.9E-07	6.9E-06	1.5E-07	1.2E-08
CHILD	2.1E-06	3.4E-06	1.6E-06	2.7E-06	7.4E-07	1.1E-05	2.2E-07	1.8E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NNE								
ADULT	6.3E-09	4.6E-08	1.0E-09	4.1E-09	7.3E-10	2.1E-08	2.3E-10	5.4E-11
TEEN	4.5E-09	2.4E-08	8.3E-10	3.2E-09	5.7E-10	1.5E-08	2.0E-10	3.2E-11
CHILD	6.5E-09	1.2E-08	1.5E-09	3.9E-09	7.0E-10	2.3E-08	2.3E-10	3.9E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NNE								
ADULT	1.1E-08	1.1E-08	8.9E-09	1.5E-08	7.5E-09	5.8E-07	1.5E-09	1.2E-10
TEEN	1.3E-08	1.3E-08	1.6E-08	2.7E-08	1.3E-08	8.9E-07	3.0E-09	1.6E-10
CHILD	1.4E-08	8.8E-09	3.8E-08	4.5E-08	2.1E-08	1.8E-06	4.6E-09	2.5E-10
INFNT	1.9E-08	7.8E-09	6.4E-08	8.8E-08	3.5E-08	4.3E-06	8.1E-09	3.8E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NNE								
ADULT	2.9E-08	2.8E-09	2.5E-08	4.1E-08	1.7E-08	6.7E-07	4.5E-09	2.5E-10
TEEN	2.9E-08	3.5E-09	4.4E-08	7.1E-08	2.9E-08	1.1E-06	8.9E-09	3.2E-10
CHILD	2.4E-08	2.8E-09	1.0E-07	1.2E-07	4.7E-08	2.1E-06	1.3E-08	5.0E-10
INFNT	2.6E-08	2.0E-09	1.7E-07	2.3E-07	7.6E-08	5.2E-06	2.4E-08	7.7E-10
INHAL PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	1.9E-08	1.4E-07	9.8E-09	2.7E-08	2.2E-08	1.6E-06	1.7E-06	5.6E-09
TEEN	1.9E-08	1.2E-07	1.4E-08	3.4E-08	2.8E-08	2.0E-06	2.4E-06	5.6E-09
CHILD	1.8E-08	4.9E-08	1.8E-08	3.2E-08	2.6E-08	2.4E-06	2.8E-06	5.8E-09
INFNT	1.0E-08	1.7E-08	1.3E-08	2.3E-08	1.6E-08	2.2E-06	1.3E-06	2.9E-09

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8310 1 1 THRU 83123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.5E-07	9.3E-07
TEEN	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.5E-07	9.3E-07
CHILD	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.5E-07	9.3E-07
INFNT	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.4E-07	3.5E-07	9.3E-07
GROUND PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.2E-05
TEEN	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.2E-05
CHILD	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.2E-05
INFNT	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.2E-05
VEGET PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	1.2E-06	5.2E-06	5.9E-07	1.4E-06	4.1E-07	9.1E-06	1.1E-07	5.4E-09
TEEN	1.4E-06	5.2E-06	9.1E-07	2.0E-06	5.9E-07	7.5E-06	1.9E-07	6.2E-09
CHILD	2.1E-06	3.3E-06	2.1E-06	3.2E-06	9.1E-07	1.2E-05	2.8E-07	9.5E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E.00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NE								
ADULT	9.8E-09	6.7E-08	2.8E-09	6.8E-09	1.3E-09	3.6E-08	3.9E-10	4.8E-11
TEEN	6.9E-09	3.6E-08	1.7E-09	5.3E-09	1.1E-09	2.6E-08	3.5E-10	2.4E-11
CHILD	9.8E-09	1.8E-08	3.0E-09	6.6E-09	1.3E-09	3.9E-08	4.1E-10	2.9E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E.00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE								
ADULT	2.2E-08	1.7E-08	1.7E-08	2.9E-08	1.4E-08	9.4E-07	2.9E-09	8.9E-11
TEEN	2.3E-08	1.9E-08	3.1E-08	5.1E-08	2.4E-08	1.5E-06	5.8E-09	1.2E-10
CHILD	2.4E-08	1.3E-08	7.5E-08	8.6E-08	3.0E-08	3.0E-06	8.8E-09	1.8E-10
INFNT	3.1E-08	1.1E-08	1.2E-07	1.7E-07	6.4E-08	7.2E-06	1.6E-08	2.8E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE								
ADULT	5.7E-08	4.5E-09	4.9E-08	8.0E-08	3.2E-08	1.1E-06	8.6E-09	1.8E-10
TEEN	5.7E-08	5.6E-09	8.7E-08	1.4E-07	5.5E-08	1.8E-06	1.7E-08	2.4E-10
CHILD	4.6E-08	4.3E-09	2.1E-07	2.4E-07	9.0E-08	3.6E-06	2.6E-08	3.7E-10
INFNT	4.8E-08	4.2E-09	3.4E-07	4.6E-07	1.5E-07	8.7E-06	4.7E-08	6.7E-10
INHAL PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	1.2E-08	8.8E-08	6.8E-09	1.7E-08	1.4E-08	9.7E-07	1.1E-06	3.0E-09
TEEN	1.2E-08	8.0E-08	9.4E-09	2.2E-08	1.7E-08	1.2E-06	1.6E-06	3.0E-09
CHILD	1.1E-08	3.1E-08	1.3E-08	2.1E-08	1.6E-08	1.5E-06	1.3E-06	2.7E-09
INFNT	6.3E-09	1.1E-08	8.7E-09	1.5E-08	1.0E-08	1.4E-06	8.5E-07	1.5E-09

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8310 1 1 THRU 83123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	3.0E-07
TEEN	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	3.0E-07
CHILD	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	3.0E-07
INFNT	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	3.0E-07
GROUND PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.7E-05
TEEN	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.7E-05
CHILD	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.7E-05
INFNT	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.7E-05
VEGET PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	1.1E-06	4.0E-06	7.5E-07	1.3E-06	4.1E-07	3.5E-06	1.2E-07	2.0E-09
TEEN	1.2E-06	4.0E-06	1.2E-06	2.1E-06	6.1E-07	2.9E-06	2.1E-07	2.3E-09
CHILD	1.7E-06	2.5E-06	2.8E-06	3.4E-06	9.8E-07	4.4E-06	3.2E-07	3.5E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 3862. METERS, WINDS TOWARD ENE								
ADULT	7.3E-08	4.7E-07	2.3E-08	5.7E-08	1.2E-08	1.3E-07	3.7E-09	9.5E-11
TEEN	5.8E-08	2.5E-07	1.0E-08	4.5E-08	9.6E-09	9.1E-08	3.5E-09	5.7E-11
CHILD	6.9E-08	1.2E-07	3.5E-08	5.6E-08	1.2E-08	1.4E-07	4.1E-09	6.9E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ENE								
ADULT	5.3E-08	3.2E-08	5.3E-08	7.6E-08	2.0E-08	9.4E-07	8.1E-09	7.6E-11
TEEN	5.4E-08	3.7E-08	9.6E-08	1.3E-07	5.2E-08	1.5E-06	1.7E-08	9.9E-11
CHILD	5.0E-08	2.5E-08	2.3E-07	2.3E-07	8.6E-08	2.9E-06	2.6E-08	1.6E-10
INFNT	5.9E-08	2.2E-08	3.7E-07	4.5E-07	1.4E-07	7.1E-06	4.6E-08	2.4E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ENE								
ADULT	1.5E-07	8.9E-09	1.6E-07	2.2E-07	7.9E-08	1.1E-06	2.4E-08	1.6E-10
TEEN	1.4E-07	1.1E-08	2.8E-07	3.9E-07	1.4E-07	1.8E-06	5.0E-08	2.8E-10
CHILD	1.1E-07	8.2E-09	6.8E-07	6.7E-07	2.3E-07	3.5E-06	7.7E-08	3.2E-10
INFNT	1.1E-07	7.9E-09	1.1E-06	1.3E-06	3.7E-07	8.6E-06	1.4E-07	4.9E-10
INHAL PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	1.2E-08	4.3E-08	1.1E-08	1.8E-08	8.5E-09	3.0E-07	5.3E-07	1.1E-09
TEEN	1.0E-08	3.9E-08	1.6E-08	2.4E-08	1.1E-08	3.8E-07	7.7E-07	1.1E-09
CHILD	6.7E-09	1.5E-08	2.1E-08	2.3E-08	1.0E-08	4.6E-07	6.3E-07	9.8E-10
INFNT	3.3E-09	5.1E-09	1.3E-08	1.7E-08	6.4E-09	4.2E-07	4.2E-07	5.6E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8310 1 1 THRU 83123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1785. METERS, WINDS TOWARD E								
ADULT	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.9E-08	1.8E-07
TEEN	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.9E-08	1.8E-07
CHILD	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.9E-08	1.8E-07
INFNT	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.7E-08	7.9E-08	1.8E-07
GROUND PATHWAY, DIST GP= 1, 1785. METERS, WINDS TOWARD E								
ADULT	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.9E-05
TEEN	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.9E-05
CHILD	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.9E-05
INFNT	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.9E-05
VEGET PATHWAY, DIST GP= 1, 1785. METERS, WINDS TOWARD E								
ADULT	8.8E-07	4.9E-06	2.4E-07	7.5E-07	1.8E-07	3.8E-06	4.3E-08	1.3E-09
TEEN	1.0E-06	4.9E-06	3.7E-07	1.1E-06	2.7E-07	2.5E-06	7.5E-08	1.5E-09
CHILD	1.7E-06	3.1E-06	8.6E-07	1.7E-06	4.1E-07	3.9E-06	1.1E-07	2.3E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 6818. METERS, WINDS TOWARD E								
ADULT	2.2E-08	1.8E-07	2.3E-09	1.3E-08	1.5E-09	3.3E-08	4.2E-10	2.2E-11
TEEN	1.7E-08	9.4E-08	1.9E-09	9.9E-09	1.2E-09	2.4E-08	3.8E-10	1.3E-11
CHILD	2.5E-08	4.7E-08	3.4E-09	1.2E-08	1.5E-09	3.6E-08	4.4E-10	1.6E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD E								
ADULT	2.1E-08	3.3E-08	1.6E-08	2.7E-08	1.2E-08	7.1E-07	2.6E-09	4.0E-11
TEEN	2.4E-08	3.8E-08	2.8E-08	4.7E-08	2.0E-08	1.1E-06	5.2E-09	5.2E-11
CHILD	2.8E-08	2.5E-08	6.7E-08	7.9E-08	3.3E-08	2.2E-06	7.9E-09	8.3E-11
INFNT	3.8E-08	2.2E-08	1.1E-07	1.6E-07	5.4E-08	5.4E-06	1.4E-08	1.3E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD E								
ADULT	5.2E-08	6.0E-09	4.4E-08	7.2E-08	2.8E-08	8.4E-07	7.7E-09	8.2E-11
TEEN	5.1E-08	7.3E-09	7.9E-08	1.3E-07	4.8E-08	1.3E-06	1.5E-08	1.1E-10
CHILD	4.1E-08	5.2E-09	1.9E-07	2.1E-07	7.9E-08	2.7E-06	2.3E-08	1.7E-10
INFNT	4.3E-08	4.8E-09	3.0E-07	4.1E-07	1.3E-07	6.5E-06	4.2E-08	2.6E-10
INHAL PATHWAY, DIST GP= 1, 1785. METERS, WINDS TOWARD E								
ADULT	3.4E-09	4.3E-08	1.5E-09	4.9E-09	3.1E-09	1.9E-07	5.4E-07	7.1E-10
TEEN	3.7E-09	3.9E-08	2.1E-09	6.3E-09	3.9E-09	2.5E-07	7.8E-07	7.1E-10
CHILD	3.6E-09	1.5E-08	2.9E-09	5.7E-09	3.5E-09	3.8E-07	6.4E-07	6.3E-10
INFNT	2.8E-09	4.9E-09	1.9E-09	4.8E-09	2.2E-09	2.7E-07	4.3E-07	3.6E-10

ENTER :C: TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8310 1 1 THRU 83123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.3E-08	1.7E-07
TEEN	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.3E-08	1.7E-07
CHILD	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.3E-08	1.7E-07
INFNT	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.1E-08	5.3E-08	1.7E-07
GROUND PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.5E-06
TEEN	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.5E-06
CHILD	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.5E-06
INFNT	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.5E-06
VEGET PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	4.6E-07	9.5E-07	3.1E-07	5.8E-07	1.9E-07	2.1E-06	5.6E-08	6.4E-10
TEEN	4.5E-07	9.5E-07	4.9E-07	8.8E-07	2.8E-07	1.7E-06	9.9E-08	7.3E-10
CHILD	5.2E-07	6.0E-07	1.1E-06	1.4E-06	4.4E-07	2.6E-06	1.5E-07	1.1E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE								
ADULT	3.8E-08	1.8E-07	1.6E-08	3.6E-08	9.4E-09	1.2E-07	2.9E-09	5.0E-11
TEEN	2.4E-08	9.4E-08	1.3E-08	2.8E-08	7.5E-09	8.6E-08	2.7E-09	3.0E-11
CHILD	2.9E-08	4.7E-08	2.4E-09	3.6E-08	9.3E-09	1.3E-07	3.1E-09	3.6E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ESE								
ADULT	2.2E-08	6.5E-09	1.8E-08	3.0E-08	1.2E-08	4.4E-07	3.2E-09	2.1E-11
TEEN	2.2E-08	7.6E-09	3.3E-08	5.2E-08	2.1E-08	6.9E-07	6.4E-09	2.7E-11
CHILD	1.9E-08	5.2E-09	7.9E-08	8.9E-08	3.4E-08	1.4E-06	9.6E-09	4.3E-11
INFNT	2.1E-08	4.6E-09	1.3E-07	1.7E-07	5.5E-08	3.4E-06	1.7E-08	6.5E-11
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ESE								
ADULT	6.2E-08	2.8E-09	5.3E-08	8.7E-08	3.1E-08	5.2E-07	9.5E-09	4.2E-11
TEEN	6.0E-08	3.6E-09	9.6E-08	1.5E-07	5.4E-08	8.3E-07	1.9E-08	5.5E-11
CHILD	4.6E-08	2.7E-09	2.3E-07	2.6E-07	8.9E-08	1.7E-06	2.9E-08	8.7E-11
INFNT	4.5E-08	2.6E-09	3.7E-07	4.0E-07	1.4E-07	4.0E-06	5.2E-08	1.3E-10
INHAL PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	2.1E-09	2.0E-08	1.2E-09	3.0E-09	1.8E-09	1.1E-07	2.5E-07	3.5E-10
TEEN	2.2E-09	1.8E-08	1.6E-09	4.0E-09	2.4E-09	1.4E-07	3.7E-07	3.6E-10
CHILD	1.9E-09	6.0E-09	2.2E-09	3.6E-09	2.2E-09	1.7E-07	3.0E-07	3.2E-10
INFNT	1.8E-09	2.3E-09	1.4E-09	2.6E-09	1.3E-09	1.5E-07	2.0E-07	1.8E-10

ENTER (C) TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8310 1 1 THRU 83123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	2.4E-07	2.4E-07	R.nqkX7	2.4E-07	2.4E-07	2.4E-07	2.4E-07	5.0E-07
TEEN	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	5.0E-07
CHILD	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	5.0E-07
INFNT	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	5.0E-07
GROUND PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
TEEN	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
CHILD	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
INFNT	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
VEGET PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	8.0E-07	3.4E-06	4.3E-07	9.0E-07	3.3E-07	1.3E-05	7.9E-08	4.2E-09
TEEN	9.8E-07	3.4E-06	6.6E-07	1.5E-06	4.6E-07	1.1E-05	1.4E-07	4.8E-09
CHILD	1.4E-06	2.1E-06	1.5E-06	2.3E-06	7.8E-07	1.6E-05	2.0E-07	7.5E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE								
ADULT	1.5E-08	9.8E-08	3.4E-09	1.1E-08	2.5E-09	1.2E-07	6.5E-10	5.3E-11
TEEN	1.0E-08	5.2E-08	2.8E-09	8.5E-09	2.0E-09	8.3E-08	5.8E-10	3.2E-11
CHILD	1.5E-08	2.6E-08	5.1E-09	1.0E-08	2.5E-09	1.3E-07	6.7E-10	3.8E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 6848. METERS, WINDS TOWARD SE								
ADULT	1.8E-08	1.2E-08	1.5E-08	2.5E-08	1.4E-08	1.4E-06	2.2E-09	6.1E-11
TEEN	2.0E-08	1.4E-08	2.6E-08	4.3E-08	2.5E-08	2.2E-06	4.5E-09	8.0E-11
CHILD	2.2E-08	9.6E-09	6.3E-08	7.3E-08	4.1E-08	4.4E-06	6.7E-09	1.3E-10
INFNT	3.0E-08	8.6E-09	1.1E-07	1.5E-07	6.8E-08	1.1E-05	1.2E-08	1.9E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD SE								
ADULT	3.5E-08	3.1E-09	2.9E-08	4.9E-08	2.2E-08	1.3E-06	5.0E-09	9.9E-11
TEEN	3.5E-08	3.9E-09	5.2E-08	8.5E-08	3.8E-08	2.0E-06	1.0E-08	1.3E-10
CHILD	3.0E-08	3.0E-09	1.2E-07	1.4E-07	6.2E-08	4.0E-06	1.5E-08	2.0E-10
INFNT	3.5E-08	3.0E-09	2.0E-07	2.8E-07	1.0E-07	9.7E-06	2.7E-08	3.1E-10
INHAL PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	7.6E-09	6.2E-08	4.0E-09	1.1E-08	9.6E-09	7.5E-07	7.5E-07	2.3E-09
TEEN	8.2E-09	5.7E-08	5.5E-09	1.4E-08	1.2E-08	9.6E-07	1.1E-06	2.4E-09
CHILD	7.7E-09	2.2E-08	7.4E-09	1.3E-08	1.1E-08	1.1E-06	8.9E-07	2.1E-09
INFNT	4.5E-09	7.8E-09	5.3E-09	9.8E-09	7.1E-09	1.1E-06	5.9E-07	1.2E-09

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8310 1 1 THRU 83123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	2.7E-07
TEEN	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	2.7E-07
CHILD	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	2.7E-07
INFNT	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	2.7E-07
GROUND PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	9.4E-06
TEEN	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	9.4E-06
CHILD	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	9.4E-06
INFNT	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06	9.4E-06
VEGET PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	4.2E-07	2.4E-06	1.3E-07	4.0E-07	1.2E-07	4.5E-06	2.6E-08	2.8E-09
TEEN	5.2E-07	2.3E-06	2.0E-07	5.9E-07	1.6E-07	3.7E-06	4.4E-08	3.2E-09
CHILD	8.6E-07	1.5E-06	4.7E-07	9.3E-07	2.4E-07	5.7E-06	6.5E-08	4.9E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7425. METERS, WINDS TOWARD SSE								
ADULT	4.5E-09	3.5E-08	5.3E-10	2.7E-09	4.2E-10	2.0E-08	1.1E-10	2.1E-11
TEEN	3.3E-09	1.8E-08	4.3E-10	2.1E-09	3.3E-10	1.5E-08	9.7E-11	1.3E-11
CHILD	4.9E-09	9.2E-09	7.9E-10	2.5E-09	4.1E-10	2.2E-08	1.1E-10	1.5E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 6840. METERS, WINDS TOWARD SSE.								
ADULT	8.3E-09	1.1E-08	6.2E-09	1.1E-08	6.4E-09	6.6E-07	9.6E-10	5.6E-11
TEEN	9.6E-09	1.2E-08	1.1E-08	1.9E-08	1.1E-08	1.0E-06	1.9E-09	7.3E-11
CHILD	1.2E-08	8.2E-09	2.7E-08	3.2E-08	1.8E-08	2.1E-06	2.8E-09	1.1E-10
INFNT	1.7E-08	7.3E-09	4.6E-08	6.4E-08	3.1E-08	5.0E-06	5.0E-09	1.7E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD SSE								
ADULT	1.5E-08	1.9E-09	1.2E-08	2.1E-08	9.5E-09	6.8E-07	2.1E-09	9.8E-11
TEEN	1.5E-08	2.3E-09	2.2E-08	3.6E-08	1.6E-08	9.5E-07	4.2E-09	1.2E-10
CHILD	1.3E-08	1.8E-09	5.2E-08	6.0E-08	2.7E-08	1.9E-06	6.4E-09	1.8E-10
INFNT	1.6E-08	1.8E-09	8.5E-08	1.2E-07	4.4E-08	4.6E-06	1.1E-08	2.8E-10
INHAL PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	4.1E-09	2.5E-08	2.2E-09	6.1E-09	6.1E-09	5.1E-07	2.9E-07	1.6E-09
TEEN	4.4E-09	2.3E-08	3.1E-09	7.7E-09	7.8E-09	6.5E-07	4.1E-07	1.6E-09
CHILD	4.2E-09	9.2E-09	4.1E-09	7.1E-09	7.2E-09	7.7E-07	3.4E-07	1.4E-09
INFNT	2.5E-09	3.4E-09	3.0E-09	5.5E-09	4.5E-09	7.1E-07	2.3E-07	7.9E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8310 1 1 THRU 83123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	2.4E-07
TEEN	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	2.4E-07
CHILD	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	2.4E-07
INFNT	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	2.4E-07
GROUND PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	9.8E-06
TEEN	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	9.8E-06
CHILD	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	9.8E-06
INFNT	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	9.8E-06
VEGET PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	3.5E-07	2.5E-06	6.6E-08	3.0E-07	7.6E-08	3.3E-06	1.4E-08	2.4E-09
TEEN	4.7E-07	2.5E-06	9.9E-08	4.4E-07	1.0E-07	2.7E-06	2.3E-08	2.7E-09
CHILD	8.5E-07	1.6E-06	2.3E-07	6.7E-07	1.5E-07	4.2E-06	3.4E-08	4.2E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S								
ADULT	4.2E-09	3.5E-08	2.5E-10	2.2E-09	2.4E-10	1.4E-08	5.8E-11	1.5E-11
TEEN	3.2E-09	1.0E-08	2.1E-10	1.7E-09	1.9E-10	1.0E-08	4.0E-11	9.2E-12
CHILD	4.9E-09	9.4E-09	3.8E-10	2.1E-09	2.3E-10	1.5E-08	5.6E-11	1.1E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP=.1, 8045. METERS, WINDS TOWARD S								
ADULT	2.6E-09	5.6E-09	1.7E-09	3.2E-09	2.0E-09	2.5E-07	2.5E-10	2.4E-11
TEEN	3.2E-09	6.5E-09	3.1E-09	5.5E-09	3.6E-09	3.9E-07	4.8E-10	3.1E-11
CHILD	4.5E-09	4.3E-09	7.3E-09	9.2E-09	5.0E-09	7.8E-07	7.3E-10	4.0E-11
INFNT	6.9E-09	3.8E-09	1.3E-08	1.0E-08	9.0E-09	1.0E-06	1.3E-09	7.5E-11
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	5.2E-09	1.1E-08	4.1E-09	7.2E-09	3.7E-09	3.0E-07	7.3E-10	4.0E-11
TEEN	5.4E-09	1.3E-09	7.4E-09	1.3E-08	6.4E-09	4.7E-07	1.4E-09	6.4E-11
CHILD	5.2E-09	9.8E-10	1.8E-08	2.1E-08	1.1E-08	9.3E-07	2.1E-09	1.0E-10
INFNT	6.5E-09	9.6E-10	3.0E-08	4.1E-08	1.7E-08	2.3E-06	3.8E-09	1.5E-10
INHAL PATHWAY, DIST GP=.1, 863. METERS, WINDS TOWARD S								
ADULT	3.7E-09	2.1E-08	2.1E-09	5.5E-09	5.3E-09	4.4E-07	2.5E-07	1.3E-09
TEEN	4.0E-09	2.0E-08	2.9E-09	6.9E-09	6.9E-09	5.6E-07	3.6E-07	1.3E-09
CHILD	3.7E-09	8.0E-09	3.9E-09	6.5E-09	6.3E-09	6.7E-07	2.0E-07	1.2E-09
INFNT	2.2E-09	2.0E-09	2.8E-09	4.9E-09	4.0E-09	6.2E-07	1.0E-07	6.8E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8318 1 1 THRU 83123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.7E-07	1.1E-06
TEEN	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.7E-07	1.1E-06
CHILD	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.7E-07	1.1E-06
INFNT	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.7E-07	1.1E-06
GROUND PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	5.0E-05
TEEN	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	5.0E-05
CHILD	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	5.0E-05
INFNT	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	5.0E-05
VEGET PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.8E-06	1.3E-05	3.5E-07	1.5E-06	3.7E-07	1.4E-05	6.0E-08	9.3E-09
TEEN	2.4E-06	1.3E-05	5.2E-07	2.2E-06	5.0E-07	1.1E-05	1.2E-07	1.1E-08
CHILD	4.3E-06	8.0E-06	1.2E-06	3.4E-06	7.5E-07	1.7E-05	1.7E-07	1.7E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	1.1E-08	9.2E-08	6.7E-10	5.8E-09	5.9E-10	3.0E-08	1.5E-10	3.6E-11
TEEN	8.4E-09	4.9E-08	5.5E-10	4.5E-09	4.6E-10	2.2E-08	1.3E-10	2.2E-11
CHILD	1.3E-08	2.4E-08	1.0E-09	5.4E-09	5.7E-10	3.3E-08	1.5E-10	2.6E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	1.1E-08	2.3E-08	7.0E-09	1.3E-08	7.6E-09	8.5E-07	1.1E-09	8.5E-11
TEEN	1.3E-08	2.7E-08	1.3E-08	2.2E-08	1.3E-08	1.3E-06	2.1E-09	1.1E-10
CHILD	1.8E-08	1.8E-08	3.0E-08	3.8E-08	2.2E-08	2.7E-06	3.2E-09	1.8E-10
INFNT	2.7E-08	1.6E-08	5.2E-08	7.6E-08	3.7E-08	6.4E-06	5.6E-09	2.7E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	2.2E-08	4.3E-09	1.8E-08	3.0E-08	1.5E-08	1.8E-06	3.1E-09	1.7E-10
TEEN	2.3E-08	5.2E-09	3.2E-08	5.3E-08	2.5E-08	1.6E-06	6.1E-09	2.3E-10
CHILD	2.1E-08	3.8E-09	7.5E-08	8.9E-08	4.1E-08	3.2E-06	9.3E-09	3.6E-10
INFNT	2.5E-08	3.7E-09	1.2E-07	1.7E-07	6.8E-08	7.8E-06	1.6E-08	5.5E-10
INHAL PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.5E-08	1.2E-07	7.3E-09	2.2E-08	2.0E-08	1.6E-06	1.4E-06	5.2E-09
TEEN	1.6E-08	1.1E-07	1.0E-08	2.8E-08	2.5E-08	2.8E-06	2.1E-06	5.2E-09
CHILD	1.6E-08	4.3E-08	1.4E-08	2.5E-08	2.3E-08	2.4E-06	1.7E-06	4.6E-09
INFNT	9.2E-09	1.5E-08	9.0E-09	1.9E-08	1.5E-08	2.2E-06	1.1E-06	2.6E-09

ENTER (C) TO CONTINUE

APPENDIX 2.1

SUMMARY OF HOURLY METEOROLOGICAL DATA FOR THIRD QUARTER OF 1983.

SITE: AEP COOK

01/17/84 14:43

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	33	7	0	0	0	43
NNE	1	24	20	1	0	0	46
NE	2	8	7	0	0	0	17
ENE	3	9	5	0	0	0	17
E	2	6	1	0	0	0	9
ESE	3	7	3	0	0	0	13
SE	1	8	8	0	0	0	17
SSE	4	6	4	0	0	0	14
S	5	19	4	0	0	0	28
SSW	3	21	13	0	0	0	37
SW	2	10	12	2	0	0	26
WSW	2	21	39	3	0	0	65
W	5	19	3	4	0	0	31
WNW	9	63	11	3	0	0	86
NW	2	37	8	1	0	0	48
NNW	5	57	22	0	0	0	84
TOTAL	52	348	167	14	0	0	581

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 23
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/17/84 14:43

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	1	0	0	0	3
NNE	0	3	2	2	0	0	7
NE	1	3	1	0	0	0	5
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	1	0	0	0	1
SE	0	1	0	0	0	0	1
SSE	0	0	0	0	0	0	0
S	0	1	0	0	0	0	1
SSW	0	0	1	0	0	0	1
SW	0	3	3	1	0	0	7
WSW	0	5	12	4	0	0	21
W	2	0	1	0	0	0	3
WNW	1	2	0	0	0	0	3
NW	0	2	2	1	0	0	5
NNW	0	4	2	0	0	0	6
TOTAL	4	26	26	8	0	0	64

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/17/84 14:44

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	2	0	0	0	3
NNE	0	1	7	1	0	0	9
NE	0	0	2	0	0	0	2
ENE	1	0	0	0	0	0	1
E	0	0	0	0	0	0	0
ESE	0	0	2	0	0	0	2
SE	0	0	2	0	0	0	2
SSE	0	1	0	0	0	0	1
S	0	0	0	0	0	0	0
SSW	0	0	1	0	0	0	1
SW	0	1	0	0	0	0	1
WSW	1	3	7	0	0	0	11
W	1	3	2	1	0	0	7
WNW	2	0	0	2	0	1	5
NW	1	0	2	2	0	0	5
NNW	2	1	0	0	1	0	4
TOTAL	9	10	27	6	1	1	54

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/17/84 14:44

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	10	1	0	0	0	11
NNE	3	22	17	3	0	0	45
NE	4	9	14	3	1	0	31
ENE	4	3	2	0	0	0	9
E	0	4	3	0	0	0	7
ESE	1	4	4	0	0	0	9
SE	1	5	3	0	0	0	9
SSE	1	2	2	0	0	0	5
S	2	2	0	0	0	0	4
SSW	2	10	3	1	0	0	16
SW	0	14	13	2	0	0	29
WSW	1	19	43	4	0	0	67
W	2	14	11	5	3	0	35
WNW	3	9	2	12	13	0	39
NW	1	8	5	16	15	0	45
NNW	3	3	6	3	1	0	16
TOTAL	28	138	129	49	33	0	377

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 12
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/17/84 14:44

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	4	2	0	0	0	11
NNE	6	9	12	0	0	0	27
NE	4	25	10	0	0	0	39
ENE	5	15	5	0	0	0	25
E	5	15	10	0	0	0	30
ESE	4	10	8	3	0	0	25
SE	2	15	8	0	0	0	25
SSE	3	11	5	0	0	0	19
S	4	22	7	0	0	0	33
SSW	2	27	9	0	0	0	38
SW	4	20	55	10	1	0	90
WSW	3	22	63	14	1	0	103
W	8	8	9	4	0	0	29
WNW	6	12	5	9	4	1	37
NW	4	1	17	12	4	0	38
NNW	5	9	2	1	0	0	17
TOTAL	69	225	227	53	10	1	586

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 21
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/17/84 14:44

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	0	0	0	0	2
NNE	0	2	0	0	0	0	2
NE	4	8	3	0	0	0	15
ENE	2	10	0	0	0	0	12
E	6	25	5	0	0	0	36
ESE	2	14	17	0	0	0	33
SE	3	35	4	0	0	0	42
SSE	3	22	2	0	0	0	27
S	2	19	2	0	0	0	23
SSW	1	9	4	0	0	0	14
SW	0	17	5	1	0	0	23
WSW	0	7	17	4	0	0	28
W	2	1	1	0	0	0	4
WNW	1	1	1	1	0	0	4
NW	0	0	0	0	0	0	0
NNW	2	1	0	0	0	0	3
TOTAL	29	171	61	6	0	0	268

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 8
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/17/84 14:44

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	2	17	2	0	0	0	21
E	0	14	6	0	0	0	20
ESE	0	28	17	0	0	0	45
SE	0	52	10	0	0	0	62
SSE	0	51	0	0	0	0	51
S	0	24	0	0	0	0	24
SSW	0	14	1	0	0	0	15
SW	0	1	1	0	0	0	2
WSW	0	0	0	0	0	0	0
W	0	0	0	1	0	0	1
WNW	1	0	0	0	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	3	201	37	1	0	0	242

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/17/84 14:44

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	9	49	13	0	0	0	73
NNE	10	61	58	7	0	0	136
NE	15	53	37	3	1	0	109
ENE	17	54	14	0	0	0	85
E	13	64	25	0	0	0	102
ESE	10	63	52	3	0	0	128
SE	7	116	35	0	0	0	158
SSE	11	93	13	0	0	0	117
S	13	87	13	0	0	0	113
SSW	8	81	32	1	0	0	122
SW	6	66	89	16	1	0	178
WSW	7	77	181	29	1	0	295
W	20	45	27	15	3	0	110
WNW	23	87	19	27	17	2	175
NW	8	48	34	32	19	0	141
NNW	17	75	32	4	2	0	130
TOTAL	194	1119	674	137	44	2	2172

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 69
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/18/84 12:04

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	17	66	18	0	0	102
NNE	0	8	24	14	1	0	47
NE	0	4	4	2	0	0	10
ENE	2	8	5	1	0	0	16
E	0	5	5	0	0	0	10
ESE	3	1	1	0	0	0	5
SE	0	4	4	2	0	0	10
SSE	1	2	12	4	0	0	19
S	0	15	14	7	0	0	36
SSW	1	2	13	23	6	0	45
SW	0	7	11	17	4	0	39
WSW	0	10	23	8	1	0	42
W	1	9	12	5	2	0	29
WNW	2	19	16	3	4	0	44
NW	3	27	28	8	0	1	67
NNW	4	24	31	1	0	0	60
TOTAL	18	162	269	113	18	1	581

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 5
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/18/84 12:05

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	5	1	1	0	7
NNE	0	1	3	2	2	0	8
NE	1	2	0	1	0	0	4
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	1	1	0	0	2
S	0	0	0	1	0	0	1
SSW	0	0	0	1	0	0	1
SW	0	1	4	3	1	0	9
WSW	0	1	9	6	0	0	16
W	0	0	3	2	0	0	5
WNW	1	1	1	0	0	0	3
NW	0	2	0	3	0	0	5
NNW	0	2	1	0	0	0	3
TOTAL	2	10	27	21	4	0	64

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/18/84 12:06

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	1	2	1	0	0	6
NNE	0	0	3	5	1	0	9
NE	0	0	1	1	0	0	2
ENE	0	0	0	0	0	0	0
E	1	0	0	0	0	0	1
ESE	0	0	0	0	0	0	0
SE	0	0	1	2	0	0	3
SSE	0	0	0	1	0	0	1
S	0	0	1	0	0	0	1
SSW	0	1	0	1	0	0	2
SW	0	0	0	0	0	0	0
WSW	2	1	3	6	0	0	12
W	1	0	2	2	0	0	5
WNW	0	0	1	1	1	0	3
NW	0	1	1	1	2	1	6
NNW	1	0	0	1	0	1	3
TOTAL	7	4	15	22	4	2	54

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/18/84 12:06

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	5	12	6	2	0	28
NNE	2	9	20	10	3	0	44
NE	4	5	12	7	1	1	30
ENE	1	2	2	2	0	0	7
E	0	1	5	1	0	0	7
ESE	1	2	1	1	0	0	5
SE	1	1	3	2	0	0	7
SSE	1	0	4	5	0	0	10
S	0	0	4	0	1	0	5
SSW	0	2	2	6	1	1	12
SW	0	1	16	9	6	0	32
WSW	1	8	23	25	2	1	60
W	1	9	9	11	0	0	30
WNW	0	5	2	3	16	3	29
NW	0	11	3	2	16	16	48
NNW	1	4	1	4	3	10	23
TOTAL	16	65	119	94	51	32	377

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 10
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/18/84 12:06

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: E DT/DZ.
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	6	11	3	0	0	24
NNE	5	7	9	11	0	0	32
NE	3	5	25	5	0	0	38
ENE	2	5	19	3	0	0	29
E	1	2	8	9	0	0	20
ESE	1	4	4	1	3	0	13
SE	2	1	7	8	1	0	19
SSE	2	2	3	8	1	0	16
S	0	0	9	20	6	1	36
SSW	0	3	8	36	5	0	52
SW	1	4	6	31	17	0	59
WSW	3	5	23	54	16	4	105
W	3	13	18	8	5	1	48
WNW	6	5	2	5	4	2	24
NW	3	5	5	10	10	8	41
NNW	3	5	4	9	6	3	30
TOTAL	38	72	161	221	74	19	586

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 11
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/18/84 12:06

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	1	0	0	0	0	2
NNE	0	1	1	0	0	0	2
NE	2	4	9	3	0	0	18
ENE	2	9	11	0	0	0	22
E	1	8	12	6	0	0	27
ESE	2	6	3	7	1	0	19
SE	0	8	3	10	1	0	22
SSE	0	4	5	17	1	0	27
S	1	3	6	20	1	1	32
SSW	1	4	4	15	4	1	29
SW	2	2	7	7	0	1	19
WSW	3	2	12	6	8	0	31
W	1	1	2	5	5	1	15
WNW	0	0	1	0	0	0	1
NW	0	0	0	1	0	0	1
NNW	0	0	1	0	0	0	1
TOTAL	16	53	77	97	21	4	268

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 5
HOURS OF MISSING DATA: 36

SITE: AEP COOK 01/18/84 12:06

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	4	0	0	0	4
ENE	0	9	10	2	0	0	21
E	0	1	13	11	0	0	25
ESE	0	6	8	10	0	0	24
SE	0	1	15	9	1	0	26
SSE	0	1	7	27	2	0	37
S	0	1	8	42	0	0	51
SSW	0	1	7	24	0	0	32
SW	1	0	8	9	0	0	18
WSW	0	0	3	0	0	0	3
W	0	0	0	0	0	0	0
WNW	0	0	0	0	1	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	1	20	83	134	4	0	242

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 36

SITE: AEP.COOK 01/18/84 12:06

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83070101-83093024
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	10	30	96	29	3	0	169
NNE	7	26	60	42	7	0	142
NE	10	20	55	19	1	1	106
ENE	7	33	47	8	0	0	95
E	3	17	43	27	0	0	90
ESE	7	19	17	19	4	0	66
SE	3	15	33	33	3	0	87
SSE	4	9	32	63	4	0	112
S	1	19	42	90	8	2	162
SSW	2	13	34	106	16	2	173
SW	4	15	52	76	28	1	176
WSW	9	27	96	105	27	5	269
W	7	32	46	33	12	2	132
WNW	9	30	23	12	26	5	105
NW	6	46	37	25	28	26	168
NNW	9	35	38	15	9	14	120
TOTAL	98	386	751	702	176	58	2172

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 34
HOURS OF MISSING DATA: 36

APPENDIX 2.2

SUMMARY OF HOURLY METEOROLOGICAL DATA FOR FOURTH QUARTER OF 1983

Joint Frequency Tables of Wind Speed and Wind Direction 50ft versus Delta Temperature 180-30ft
Fourth Quarter (10/1/83 - 12/31/83)

SITE: AEP COOK 01/17/84 16:38

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	3	1	1	0	0	5
NNE	0	3	1	0	0	0	4
NE	0	2	0	0	0	0	2
ENE	0	2	3	0	0	0	5
E	0	6	10	0	0	0	16
ESE	0	2	4	1	0	0	7
SE	0	8	8	0	0	0	16
SSE	1	5	9	0	0	0	15
S	1	11	3	0	0	0	15
SSW	2	12	5	0	0	0	19
SW	2	3	18	1	0	0	24
WSW	0	4	15	3	0	0	22
W	0	1	1	2	2	0	6
WNW	0	4	8	5	0	12	29
NW	0	9	5	6	0	0	20
NNW	0	1	2	0	0	0	3
TOTAL	6	76	93	19	2	12	208

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 14

SITE: AEP COOK 01/17/84 16:39

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	1	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	1	0	0	0	1
ENE	0	0	0	0	0	0	0
E	0	1	0	0	0	0	1
ESE	0	3	3	0	0	0	6
SE	0	2	3	0	0	0	5
SSE	0	1	0	0	0	0	1
S	2	1	0	0	0	0	3
SSW	0	1	3	0	0	0	4
SW	0	0	2	2	0	0	4
WSW	0	0	4	2	0	0	6
W	0	0	0	0	5	2	7
WNW	0	0	0	2	3	10	15
NW	0	0	2	8	0	0	10
NNW	0	0	1	0	0	0	1
TOTAL	2	9	19	15	8	12	65

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 14

SITE: AEP COOK 01/17/84 16:39

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	1	1	0	0	0	3
NNE	0	0	3	3	0	0	6
NE	0	1	3	0	1	0	5
ENE	0	0	2	0	0	0	2
E	0	1	3	0	0	0	4
ESE	0	1	5	2	0	0	8
SE	1	3	2	0	0	0	6
SSE	0	0	0	0	0	0	0
S	1	4	0	0	0	0	5
SSW	1	2	1	0	0	0	4
SW	0	1	3	1	0	0	5
WSW	1	1	2	5	3	1	13
W	0	0	1	12	22	21	56
WNW	0	0	0	7	18	9	34
NW	0	2	4	10	1	4	21
NNW	0	1	3	1	1	3	9
TOTAL	5	18	33	41	46	38	181

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 14

SITE: AEP COOK 01/17/84 16:40

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	12	3	7	1	0	24
NNE	3	16	24	37	16	1	97
NE	3	14	23	10	6	1	57
ENE	4	20	17	0	0	0	41
E	2	12	27	6	3	0	50
ESE	4	23	44	65	18	5	159
SE	9	26	19	12	0	0	66
SSE	3	17	12	5	0	0	37
S	5	26	6	0	0	0	37
SSW	2	24	10	0	0	0	36
SW	0	15	46	34	2	0	97
WSW	0	6	19	21	20	18	84
W	1	4	13	33	44	24	119
WNW	0	0	4	34	15	1	54
NW	3	5	9	29	14	6	66
NNW	1	7	15	14	8	1	46
TOTAL	41	227	291	307	147	57	1070

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 10
HOURS OF MISSING DATA: 14

SITE: AEP COOK 01/17/84 16:40

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	0	0	0	0	2
NNE	0	10	3	0	0	0	13
NE	0	4	2	0	0	0	6
ENE	2	10	5	0	0	0	17
E	0	16	28	8	0	0	52
ESE	1	14	19	5	0	0	39
SE	1	44	36	2	0	0	83
SSE	4	31	13	4	0	0	52
S	6	17	2	0	0	0	25
SSW	2	14	8	0	0	0	24
SW	0	11	25	11	0	0	47
WSW	1	5	12	8	6	0	32
W	0	3	7	3	1	0	14
WNW	1	1	3	0	0	0	5
NW	1	4	5	4	0	0	14
NNW	0	3	4	2	0	0	9
TOTAL	19	189	172	47	7	0	434

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 14

SITE: AEP COOK 01/17/84 16:40

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	2	1	0	0	0	3
ENE	0	8	0	0	0	0	8
E	0	7	11	0	0	0	18
ESE	0	8	16	0	0	0	24
SE	2	24	16	0	0	0	42
SSE	0	16	4	0	0	0	20
S	1	12	0	0	0	0	13
SSW	0	13	1	0	0	0	14
SW	0	4	1	0	0	0	5
WSW	0	4	1	2	0	0	7
W	1	1	2	0	0	0	4
WNW	1	2	0	0	0	0	3
NW	0	0	1	0	0	0	1
NNW	0	1	0	0	0	0	1
TOTAL	5	102	54	2	0	0	163

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 14

SITE: AEP COOK 01/17/84 16:40

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	1	0	0	0	0	1
ENE	0	5	0	0	0	0	5
E	0	1	4	0	0	0	5
ESE	0	8	8	0	0	0	16
SE	0	10	5	0	0	0	15
SSE	0	8	2	0	0	0	10
S	0	11	5	0	0	0	16
SSW	0	3	0	0	0	0	3
SW	0	1	0	0	0	0	1
WSW	0	1	0	0	0	0	1
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	0	49	24	0	0	0	73

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 14

SITE: AEP COOK 01/17/84 16:40

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	18	5	9	1	0	35
NNE	3	29	31	40	16	1	120
NE	3	24	30	10	7	1	75
ENE	6	45	27	0	0	0	78
E	2	44	83	14	3	0	146
ESE	5	59	99	73	18	5	259
SE	13	117	89	14	0	0	233
SSE	8	78	40	9	0	0	135
S	16	82	16	0	0	0	114
SSW	7	69	28	0	0	0	104
SW	2	35	95	49	2	0	183
WSW	2	21	53	41	29	19	165
W	2	9	24	50	74	47	206
WNW	2	7	15	48	36	32	140
NW	4	20	26	57	15	10	132
NNW	1	13	25	17	9	4	69
TOTAL	78	670	686	431	210	119	2194

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 14
HOURS OF MISSING DATA: 14

Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Fourth Quarter (10/1/83 - 12/31/83)

SITE: AEP COOK 01/18/84 12:32

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	2	2	0	1	6
NNE	0	1	3	1	0	0	5
NE	0	0	1	0	0	0	1
ENE	0	2	1	1	0	0	4
E	0	0	11	4	0	0	15
ESE	0	0	5	0	1	0	6
SE	0	0	11	1	0	0	12
SSE	0	0	2	7	2	0	11
S	0	7	8	8	2	0	25
SSW	2	6	6	5	1	0	20
SW	0	2	5	19	1	0	27
WSW	1	1	6	8	1	0	17
W	0	0	2	1	1	2	6
WNW	0	4	2	1	0	2	9
NW	0	2	6	4	5	10	27
NNW	0	4	2	4	7	0	17
TOTAL	3	30	73	66	21	15	208

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 16

SITE: AEP COOK 01/18/84 12:32

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	1	0	1	2
NNE	0	0	0	0	0	0	0
NE	0	0	0	1	0	0	1
ENE	0	0	0	0	0	0	0
E	0	0	1	0	0	0	1
ESE	0	0	2	0	0	0	2
SE	0	0	4	3	0	0	7
SSE	0	0	2	1	0	0	3
S	0	0	0	0	0	0	0
SSW	0	1	3	2	0	0	6
SW	0	0	1	3	1	0	5
WSW	0	0	2	2	1	0	5
W	0	0	0	0	1	6	7
WNW	0	0	0	0	0	6	6
NW	0	0	0	0	8	7	15
NNW	0	0	1	1	2	0	4
TOTAL	0	1	16	14	13	20	64

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 16

SITE: AEP COOK 01/18/84 12:32

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	3	1	0	3	8
NNE	0	1	0	3	2	1	7
NE	0	0	1	2	0	0	3
ENE	0	0	1	0	0	0	1
E	0	0	3	0	0	0	3
ESE	0	1	3	1	1	0	6
SE	0	1	1	3	0	0	5
SSE	1	1	0	2	0	0	4
S	0	2	1	0	0	0	3
SSW	0	2	2	2	0	0	6
SW	1	1	1	2	1	0	6
WSW	0	1	1	2	2	1	7
W	0	0	0	4	18	31	53
WNW	0	0	0	1	11	16	28
NW	0	0	0	5	13	9	27
NNW	0	1	3	5	2	3	14
TOTAL	2	12	20	33	50	64	181

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 16

SITE: AEP COOK 01/18/84 12:32

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	4	16	7	5	16	48
NNE	4	6	19	20	24	16	89
NE	1	10	27	11	8	1	58
ENE	3	6	25	1	0	0	35
E	1	7	16	16	5	2	47
ESE	1	10	18	42	42	12	125
SE	1	8	21	20	13	4	67
SSE	2	9	16	12	7	8	54
S	0	9	17	12	0	2	40
SSW	0	9	30	10	3	0	52
SW	0	4	20	47	21	3	95
WSW	0	3	6	13	18	34	74
W	0	2	7	17	23	49	98
WNW	0	2	2	25	29	5	63
NW	1	4	3	9	21	21	59
NNW	0	4	4	23	20	15	66
TOTAL	14	97	247	285	239	188	1070

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 16

SITE: AEP COOK 01/18/84 12:32

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	3	4	1	1	1	10
NNE	0	2	5	2	0	0	9
NE	1	2	8	0	0	0	11
ENE	0	5	18	3	0	0	26
E	0	3	10	19	7	0	39
ESE	0	5	5	10	5	0	25
SE	0	1	17	18	2	0	38
SSE	1	1	25	29	13	1	70
S	0	5	16	24	3	1	49
SSW	0	4	17	10	2	0	33
SW	1	2	11	16	13	2	45
WSW	1	1	9	11	1	10	33
W	1	4	1	2	6	1	15
WNW	0	2	3	4	0	0	9
NW	0	2	1	3	4	0	10
NNW	0	2	2	6	1	0	11
TOTAL	5	44	152	158	58	16	433

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 16

SITE: AEP COOK 01/18/84 12:33

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	2	0	0	0	2
NE	0	0	2	1	0	0	3
ENE	0	3	8	1	0	0	12
E	0	4	1	10	0	0	15
ESE	0	2	3	5	1	0	11
SE	1	2	7	13	1	0	24
SSE	0	1	4	16	1	0	22
S	0	1	14	11	4	0	30
SSW	0	1	4	7	1	0	13
SW	0	2	3	5	0	0	10
WSW	0	0	4	2	0	0	6
W	0	0	2	3	1	0	6
WNW	0	4	0	0	1	0	5
NW	0	0	2	1	0	0	3
NNW	0	0	0	1	0	0	1
TOTAL	1	20	56	76	10	0	163

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 16

SITE: AEP COOK 01/18/84 12:33

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	1	0	0	0	1
NE	0	0	2	0	0	0	2
ENE	0	0	3	0	0	0	3
E	0	1	0	1	0	0	2
ESE	0	0	4	9	1	0	14
SE	0	1	1	6	0	0	8
SSE	0	0	3	5	2	0	10
S	0	2	4	4	0	0	10
SSW	0	1	5	6	2	0	14
SW	0	2	1	2	0	0	5
WSW	0	2	2	0	0	0	4
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	0	9	26	33	5	0	73

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 16

SITE: AEP COOK 01/18/84 12:33

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83100101-83123124
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	9	25	12	6	22	74
NNE	4	10	30	26	26	17	113
NE	2	12	41	15	8	1	79
ENE	3	16	56	6	0	0	81
E	1	15	42	50	12	2	122
ESE	1	18	40	67	51	12	189
SE	2	13	62	64	16	4	161
SSE	4	12	52	72	25	9	174
S	0	26	60	59	9	3	157
SSW	2	24	67	42	9	0	144
SW	2	13	42	94	37	5	193
WSW	2	8	30	38	23	45	146
W	1	6	12	27	50	89	185
WNW	0	12	7	31	41	29	120
NW	1	8	12	22	51	47	141
NNW	0	11	12	40	32	18	113
TOTAL	25	213	590	665	396	303	2192

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 3
HOURS OF MISSING DATA: 16

APPENDIX 2.3

METEOROLOGICAL DATA
FOR LAST SIX MONTHS OF 1983

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR JULY 1, 1993 PAGE 1

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	82	0	63	0	161	0	141	0	0	0	0	0	212	0	253	166	213	0	266	166	213	0	237	190	199	0	222	168	0	0	0	0	0	0
200	83	0	69	0	165	0	145	0	0	0	0	0	212	0	260	126	206	0	260	125	210	0	234	170	194	0	216	170	0	0	0	0	0	0
300	97	0	80	0	155	0	149	0	0	0	0	0	222	0	254	180	219	0	268	164	221	0	247	194	206	0	232	171	0	0	0	0	0	0
400	102	0	92	0	165	0	164	0	0	0	0	0	233	0	274	197	229	0	268	176	230	0	260	204	213	0	235	189	0	0	0	0	0	0
500	70	0	62	0	135	0	133	0	0	0	0	0	18	0	70	310	30	0	125	276	10	0	62	331	350	0	39	312	0	0	0	0	0	0
600	99	0	90	0	148	0	155	0	0	0	0	0	125	0	174	110	116	0	175	86	128	0	154	114	113	0	137	100	0	0	0	0	0	0
700	71	0	63	0	151	0	157	0	0	0	0	0	149	0	180	106	154	0	265	90	169	0	178	157	153	0	165	143	0	0	0	0	0	0
800	94	0	83	0	195	0	170	0	0	0	0	0	172	0	220	104	175	0	257	96	185	0	207	168	171	0	186	157	0	0	0	0	0	0
900	92	0	75	0	180	0	154	0	0	0	0	0	202	0	269	109	201	0	265	123	200	0	242	164	136	0	220	153	0	0	0	0	0	0
1000	126	0	105	0	201	0	191	0	0	0	0	0	229	0	281	184	228	0	271	180	222	0	245	192	208	0	228	178	0	0	0	0	0	0
1100	272	0	258	0	384	0	411	0	0	0	0	0	303	0	328	278	22	0	163	272	313	0	327	303	289	0	302	281	0	0	0	0	0	0
1200	112	0	101	0	145	0	164	0	0	0	0	0	244	0	305	199	228	0	265	95	256	0	315	204	240	0	310	203	0	0	0	0	0	0
1300	77	0	74	0	142	0	136	0	0	0	0	0	157	0	197	103	158	0	215	90	173	0	197	143	160	0	184	130	0	0	0	0	0	0
1400	45	0	34	0	95	0	81	0	0	0	0	0	189	0	261	98	181	0	264	91	190	0	236	149	178	0	234	119	0	0	0	0	0	0
1500	76	0	70	0	106	0	110	0	0	0	0	0	280	0	334	222	268	0	354	220	278	0	311	245	260	0	288	220	0	0	0	0	0	0
1600	43	0	38	0	67	0	73	0	0	0	0	0	293	0	340	249	284	0	354	240	303	0	333	267	282	0	314	236	0	0	0	0	0	0
1700	41	0	35	0	76	0	82	0	0	0	0	0	302	0	338	271	285	0	355	221	303	0	309	286	281	0	287	274	0	0	0	0	0	0
1800	23	0	20	0	24	0	27	0	0	0	0	0	139	0	176	86	140	3	215	90	133	0	159	101	117	0	144	79	0	0	0	0	0	0
1900	41	0	38	0	51	0	56	0	0	0	0	0	84	0	113	60	84	0	126	0	84	0	102	56	67	0	88	48	0	0	0	0	0	0
2000	43	0	43	0	71	0	73	0	0	0	0	0	95	0	123	63	95	0	130	75	94	0	112	74	77	0	99	54	0	0	0	0	0	0
2100	61	0	59	0	102	0	106	0	0	0	0	0	125	0	155	97	126	0	170	80	137	0	152	124	122	0	133	110	0	0	0	0	0	0
2200	72	0	63	0	90	0	98	0	0	0	0	0	103	0	157	14	105	0	175	0	115	0	145	5	101	0	133	1	0	0	0	0	0	0
2300	72	0	73	0	146	0	151	0	0	0	0	0	148	0	184	102	148	0	210	90	165	0	190	141	152	0	170	119	0	0	0	0	0	0
2400	76	0	60	0	148	0	124	0	0	0	0	0	208	0	256	105	209	0	265	96	209	0	243	171	194	0	230	168	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 190A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	744	0	739	0	752	0	746	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72	0
200	752	0	746	0	752	0	748	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72	0
300	744	0	739	0	748	0	741	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72	0
400	757	0	752	0	753	0	748	0	320	0	320	0	-1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72	0
500	650	0	649	0	649	0	644	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	76	0
600	654	0	647	0	654	0	649	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	81	0
700	659	0	649	0	662	0	656	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	80	6
800	676	0	671	0	680	0	674	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	80	0
900	735	0	730	0	728	0	723	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	80	0
1000	759	0	753	0	750	0	744	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	80	0
1100	669	0	660	0	667	0	653	0	320	0	320	0	3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	83	0
1200	678	0	669	0	696	0	692	0	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	85	0
1300	726	0	721	0	709	0	703	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	6
1400	797	0	793	0	755	0	750	0	320	0	320	0	-43	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1500	734	0	728	0	721	0	716	0	320	0	320	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1600	764	0	761	0	723	0	719	0	320	0	320	0	-39	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	85	0
1700	765	0	762	0	752	0	746	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	6
1800	771	0	768	0	761	0	755	0	320	0	320	0	-13	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1900	770	0	764	0	757	0	752	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2000	753	0	746	0	753	0	746	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2100	752	0	746	0	750	0	746	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2200	757	0	750	0	755	0	750	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2300	714	0	708	0	705	0	699	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2400	693	0	690	0	698	0	692	0	320	0	320	0	1	1	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	50	S	WIND DIR2	MIN	MAX	150A	S	WIND DIR3	MIN	MAX	150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	141	0	124	0	230	0	228	0	0	0	0	0	230	0	264	168		230	0	265	112		228	0	257	196		214	0	250	197		0	0	0	0		0	0	0	0
200	143	0	128	0	207	0	212	0	0	0	0	0	231	0	258	198		231	0	267	181		231	0	254	212		216	0	235	198		0	0	0	0		0	0	0	0
300	152	0	152	0	254	0	272	0	0	0	0	0	247	0	278	208		233	0	265	97		248	0	277	216		231	0	263	209		0	0	0	0		0	0	0	0
400	174	0	152	0	288	0	298	0	0	0	0	0	222	0	260	153		206	0	265	104		230	0	269	191		215	0	240	188		0	0	0	0		0	0	0	0
500	192	0	166	0	304	0	316	0	0	0	0	0	230	0	261	204		215	0	265	97		237	0	265	213		220	0	247	200		0	0	0	0		0	0	0	0
600	63	0	55	0	138	0	131	0	0	0	0	0	156	0	228	96		159	0	265	90		170	0	191	140		158	0	184	130		0	0	0	0		0	0	0	0
700	97	0	82	0	154	0	155	0	0	0	0	0	227	0	271	203		192	0	265	92		239	0	256	210		219	0	237	198		0	0	0	0		0	0	0	0
800	77	0	63	0	177	0	152	0	0	0	0	0	173	0	215	104		170	0	264	90		189	0	209	153		174	0	195	146		0	0	0	0		0	0	0	0
900	96	0	74	0	217	0	179	0	0	0	0	0	189	0	247	100		193	0	265	90		197	0	224	169		183	0	213	169		0	0	0	0		0	0	0	0
1000	80	0	64	0	165	0	133	0	0	0	0	0	199	0	260	119		201	0	265	94		204	0	236	173		191	0	232	163		0	0	0	0		0	0	0	0
1100	133	0	128	0	187	0	189	0	0	0	0	0	281	0	333	241		275	0	354	223		290	0	326	249		271	0	307	238		0	0	0	0		0	0	0	0
1200	49	0	46	0	79	0	86	0	0	0	0	0	253	0	298	217		250	0	351	216		270	0	280	250		253	0	266	231		0	0	0	0		0	0	0	0
1300	53	0	52	0	121	0	118	0	0	0	0	0	153	0	223	96		142	0	221	90		171	0	191	145		159	0	186	137		0	0	0	0		0	0	0	0
1400	92	0	86	0	157	0	147	0	0	0	0	0	165	0	244	102		166	0	266	90		173	0	202	137		160	0	187	134		0	0	0	0		0	0	0	0
1500	15	0	16	0	41	0	42	0	0	0	0	0	163	3	266	90		158	3	260	90		172	0	226	130		164	0	254	125		0	0	0	0		0	0	0	0
1600	34	0	32	0	48	0	52	0	0	0	0	0	264	0	305	232		259	0	305	224		241	0	266	183		227	0	255	191		0	0	0	0		0	0	0	0
1700	61	0	49	0	107	0	94	0	0	0	0	0	218	0	266	94		215	0	268	90		210	0	253	140		195	0	223	144		0	0	0	0		0	0	0	0
1800	89	0	75	0	134	0	121	0	0	0	0	0	224	0	260	173		222	0	268	130		217	0	247	177		202	0	226	172		0	0	0	0		0	0	0	0
1900	67	0	54	0	127	0	113	0	0	0	0	0	220	0	267	156		215	0	260	92		214	0	243	190		198	0	220	173		0	0	0	0		0	0	0	0
2000	49	0	36	0	115	0	98	0	0	0	0	0	198	0	261	122		197	0	264	90		202	0	224	185		188	0	215	168		0	0	0	0		0	0	0	0
2100	53	0	44	0	135	0	117	0	0	0	0	0	163	0	219	114		169	0	225	90		186	0	201	172		172	0	182	154		0	0	0	0		0	0	0	0
2200	57	0	46	0	144	0	121	0	0	0	0	0	185	0	248	109		184	0	264	91		197	0	213	171		184	0	198	165		0	0	0	0		0	0	0	0
2300	69	0	44	0	154	0	127	0	0	0	0	0	195	0	253	114		192	0	262	95		201	0	223	181		186	0	213	160		0	0	0	0		0	0	0	0
2400	57	0	45	0	133	0	111	0	0	0	0	0	195	0	252	135		190	0	259	124		202	0	223	180		188	0	213	167		0	0	0	0		0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 130A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN	S
100	705	0	699	0	705	0	701	0	320	0	320	0	1	0	1	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84	0
200	703	0	698	0	705	0	699	0	320	0	320	0	1	0	1	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	86	0
300	683	0	678	0	692	0	687	0	320	0	320	0	9	0	9	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93	0
400	687	0	681	0	714	0	707	0	320	0	320	0	27	0	27	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	116	0
500	667	0	662	0	678	0	672	0	320	0	320	0	12	0	12	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	103	6
600	662	0	656	0	687	0	680	0	320	0	320	0	23	0	25	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	107	0
700	653	0	645	0	660	0	656	0	320	0	320	0	7	0	7	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	112	0
800	662	0	656	0	672	0	665	0	320	0	320	0	9	0	9	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
900	685	0	678	0	698	0	694	0	320	0	320	0	14	0	14	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
1000	743	0	737	0	734	0	730	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
1100	701	0	694	0	699	0	692	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
1200	732	0	726	0	731	0	725	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
1300	768	0	764	0	741	0	737	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
1400	818	0	815	0	788	0	782	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
1500	834	0	833	0	809	0	806	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
1600	865	0	863	0	843	0	840	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
1700	872	0	867	0	843	0	838	0	320	0	320	0	-23	0	-28	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
1800	872	0	867	0	856	0	851	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
1900	858	0	852	0	847	0	843	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
2000	831	0	824	0	836	0	831	0	320	0	320	0	5	0	5	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
2100	804	0	797	0	822	0	816	0	320	0	320	0	21	0	21	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
2200	786	0	779	0	798	0	793	0	320	0	320	0	13	0	16	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
2300	779	0	773	0	791	0	786	0	320	0	320	0	14	0	14	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0
2400	768	0	762	0	779	0	773	0	320	0	320	0	12	0	12	0	0	0	0	0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	115	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND MIN	MAX	S	WIND DIR2	WIND MIN	MAX	S	WIND DIR3 150A	WIND MIN	MAX	S	WIND DIR4 150B	WIND MIN	MAX	S	WIND DIR5	WIND MIN	MAX	S	WIND DIR6	
100	65	0	49	0	133	0	121	0	0	0	0	0	208	0	267	151	201	0	266	133	210	0	242	186	194	0	229	171	0	0	0	0	0	0
200	54	0	46	0	137	0	116	0	0	0	0	0	183	0	231	132	196	0	260	129	201	0	224	185	187	0	203	168	0	0	0	0	0	0
300	71	0	56	0	140	0	120	0	0	0	0	0	211	0	264	157	208	0	264	135	209	0	242	183	195	0	214	166	0	0	0	0	0	0
400	90	0	69	0	163	0	143	0	0	0	0	0	215	0	257	139	210	0	266	92	214	0	246	194	199	0	220	179	0	0	0	0	0	0
500	95	0	78	0	154	0	156	0	0	0	0	0	226	0	267	177	220	0	264	140	225	0	258	208	210	0	239	180	0	0	0	0	0	0
600	83	0	66	0	139	0	124	0	0	0	0	0	221	0	302	181	216	0	266	166	213	0	247	179	199	0	230	170	0	0	0	0	0	0
700	67	0	55	0	142	0	121	0	0	0	0	0	194	0	265	98	196	0	256	95	196	0	219	158	183	0	212	152	0	0	0	0	0	0
800	84	0	65	0	144	0	124	0	0	0	0	0	207	0	260	143	202	0	267	131	205	0	247	179	192	0	229	146	0	0	0	0	0	0
900	93	0	75	0	132	0	118	0	0	0	0	0	214	0	254	158	209	0	262	137	216	0	264	184	201	0	232	175	0	0	0	0	0	0
1000	85	0	68	0	148	0	127	0	0	0	0	0	209	0	253	158	207	0	266	124	203	0	230	159	189	0	239	124	0	0	0	0	0	0
1100	67	0	61	0	145	0	126	0	0	0	0	0	187	0	259	98	186	0	269	91	191	0	239	147	176	0	221	112	0	0	0	0	0	0
1200	84	0	72	0	186	0	159	0	0	0	0	0	193	0	265	109	187	0	265	90	196	0	234	150	182	0	220	144	0	0	0	0	0	0
1300	117	0	96	0	217	0	180	0	0	0	0	0	203	0	261	111	197	0	266	112	202	0	234	166	189	0	212	155	0	0	0	0	0	0
1400	119	0	93	0	219	0	187	0	0	0	0	0	206	0	264	124	205	0	265	136	202	0	225	152	189	0	217	152	0	0	0	0	0	0
1500	93	0	79	0	186	0	159	0	0	0	0	0	194	0	269	100	196	0	266	117	195	0	228	150	187	0	260	135	0	0	0	0	0	0
1600	94	0	74	0	181	0	151	0	0	0	0	0	194	0	251	95	195	0	264	119	197	0	237	127	185	0	240	136	0	0	0	0	0	0
1700	109	0	99	0	216	0	180	0	0	0	0	0	193	0	257	91	191	0	268	90	197	0	235	159	183	0	220	124	0	0	0	0	0	0
1800	87	0	70	0	183	0	153	0	0	0	0	0	198	0	254	107	196	0	266	119	195	0	240	150	182	0	231	120	0	0	0	0	0	0
1900	83	0	67	0	174	0	151	0	0	0	0	0	186	0	257	100	180	0	263	92	194	0	232	117	182	0	212	137	0	0	0	0	0	0
2000	109	0	101	0	216	0	195	0	0	0	0	0	168	0	214	93	173	0	231	118	181	0	214	151	170	0	253	145	0	0	0	0	0	0
2100	95	0	85	0	200	0	195	0	0	0	0	0	169	0	232	90	166	0	227	90	181	0	228	131	168	0	212	131	0	0	0	0	0	0
2200	102	0	86	0	205	0	175	0	0	0	0	0	183	0	247	108	182	0	266	90	191	0	214	166	180	0	244	156	0	0	0	0	0	0
2300	77	0	64	0	170	0	142	0	0	0	0	0	195	0	256	136	191	0	260	117	196	0	224	135	193	0	230	153	0	0	0	0	0	0
2400	73	0	61	0	156	0	137	0	0	0	0	0	195	0	264	115	191	0	266	90	197	0	224	155	184	0	209	151	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	770	0	762	0	779	0	773	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
200	753	0	746	0	762	0	759	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
300	748	0	741	0	755	0	750	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
400	757	0	752	0	762	0	757	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
500	744	0	739	0	744	0	741	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
600	735	0	730	0	735	0	730	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
700	737	0	732	0	730	0	725	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0.0	0	0	0	0	0	0	0	115	0
800	755	0	750	0	737	0	732	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
900	775	0	770	0	759	0	753	0	320	0	320	0	-15	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1000	802	0	797	0	775	0	770	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1100	827	0	822	0	793	0	786	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1200	833	0	829	0	798	0	793	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1300	840	0	834	0	809	0	806	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1400	851	0	845	0	820	0	815	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1500	860	0	854	0	825	0	820	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1600	860	0	856	0	825	0	820	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1700	851	0	845	0	825	0	820	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1800	847	0	842	0	820	0	813	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1900	827	0	822	0	809	0	806	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2000	789	0	784	0	784	0	779	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2100	773	0	768	0	775	0	766	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2200	771	0	764	0	770	0	764	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2300	762	0	757	0	762	0	757	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2400	759	0	752	0	757	0	752	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	117	0	98	0	211	0	181	0	0	0	0	0	212	0	258	131	207	0	262	91	209	0	245	171	196	0	225	158	0	0	0	0	0	0
200	127	0	117	0	180	0	178	0	0	0	0	0	259	0	324	193	252	0	353	180	259	0	330	201	243	0	310	194	0	0	0	0	0	0
300	56	0	48	0	102	0	104	0	0	0	0	0	353	0	37	293	350	0	83	270	335	0	9	307	314	0	342	285	0	0	0	0	0	0
400	52	0	49	0	121	0	124	0	0	0	0	0	151	0	223	118	150	0	231	90	168	0	179	158	157	0	168	150	0	0	0	0	0	0
500	51	0	37	0	132	0	123	0	0	0	0	0	207	0	256	152	205	0	260	130	206	0	212	197	192	0	200	184	0	0	0	0	0	0
600	104	0	92	0	168	0	176	0	0	0	0	0	229	0	262	201	227	0	265	165	234	0	268	218	219	0	233	194	0	0	0	0	0	0
700	93	0	77	0	155	0	148	0	0	0	0	0	226	0	276	188	223	0	267	176	225	0	253	198	211	0	236	188	0	0	0	0	0	0
800	112	0	106	0	157	0	165	0	0	0	0	0	240	0	270	198	236	0	272	181	238	0	265	211	223	0	246	197	0	0	0	0	0	0
900	122	0	119	0	229	0	231	0	0	0	0	0	251	0	276	218	254	0	276	183	260	0	270	237	244	0	262	232	0	0	0	0	0	0
1000	123	0	119	0	174	0	184	0	0	0	0	0	271	0	294	247	264	0	285	225	273	0	285	263	256	0	270	242	0	0	0	0	0	0
1100	97	0	95	0	169	0	192	0	0	0	0	0	261	0	289	240	257	0	276	222	266	0	279	247	250	0	261	238	0	0	0	0	0	0
1200	103	0	99	0	159	0	168	0	0	0	0	0	250	0	282	224	246	0	276	214	260	0	281	243	245	0	257	232	0	0	0	0	0	0
1300	116	0	114	0	139	0	148	0	0	0	0	0	264	0	284	227	260	0	276	215	277	0	298	250	260	0	279	241	0	0	0	0	0	0
1400	79	0	75	0	109	0	118	0	0	0	0	0	252	0	273	221	247	0	276	210	266	0	291	235	249	0	268	223	0	0	0	0	0	0
1500	116	0	112	0	133	0	142	0	0	0	0	0	249	0	266	234	247	0	274	210	254	0	276	232	238	0	254	213	0	0	0	0	0	0
1600	117	0	112	0	139	0	149	0	0	0	0	0	249	0	284	234	245	0	276	210	255	0	259	243	238	0	243	217	0	0	0	0	0	0
1700	97	0	93	0	137	0	146	0	0	0	0	0	242	0	277	225	244	0	276	215	262	0	276	233	247	0	272	224	0	0	0	0	0	0
1800	97	0	91	0	129	0	138	0	0	0	0	0	249	0	280	214	239	0	276	210	255	0	300	221	240	0	267	215	0	0	0	0	0	0
1900	84	0	80	0	131	0	141	0	0	0	0	0	254	0	279	230	252	0	276	221	263	0	282	247	252	0	266	225	0	0	0	0	0	0
2000	92	2	89	2	142	2	152	2	0	0	0	0	252	2	281	222	249	2	276	210	267	2	275	254	251	2	260	236	0	0	0	0	0	0
2100	105	0	105	0	187	0	197	0	0	0	0	0	254	0	280	226	251	0	273	218	266	0	280	251	250	0	259	227	0	0	0	0	0	0
2200	124	0	122	0	224	0	239	0	0	0	0	0	265	0	290	233	260	0	337	221	270	0	277	254	254	0	260	242	0	0	0	0	0	0
2300	114	0	112	0	211	0	223	0	0	0	0	0	251	0	278	226	247	0	276	211	262	0	273	247	245	0	258	229	0	0	0	0	0	0
2400	135	0	130	0	205	0	217	0	0	0	0	0	246	0	272	222	242	0	274	183	256	0	263	248	239	0	244	231	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 190A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	768	0	762	0	766	0	761	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
200	768	0	761	0	757	0	753	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
300	676	0	669	0	689	0	683	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	672	0	665	0	698	0	692	0	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	687	0	681	0	735	0	730	0	320	0	320	0	49	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	723	0	717	0	732	0	726	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	743	0	737	0	743	0	737	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	764	0	759	0	755	0	750	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	705	0	699	0	712	0	707	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	703	0	698	0	693	0	692	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	673	0	671	0	687	0	680	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	692	0	687	0	687	0	681	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	705	0	699	0	693	0	687	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	707	0	701	0	692	0	697	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	716	0	710	0	699	0	698	0	320	0	320	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	713	0	705	0	693	0	692	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	714	0	707	0	696	0	692	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	713	0	705	0	699	0	696	0	320	0	320	0	-13	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	712	0	705	0	712	0	707	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	687	2	680	2	692	2	687	2	320	0	320	0	5	2	7	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	676	0	671	0	693	0	692	0	320	0	320	0	21	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	681	0	674	0	701	0	696	0	320	0	320	0	21	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	687	0	681	0	705	0	696	0	320	0	320	0	15	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	673	0	671	0	683	0	678	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	110	0	107	0	103	0	203	0	0	0	0	0	255	0	287	223	252	0	276	218	263	0	285	233	248	0	261	212	0	0	0	0	0	0
200	118	0	115	0	109	0	200	0		0	0	0	262	0	284	242	259	0	276	221	273	0	286	261	256	0	260	244	0	0	0	0	0	0
300	118	0	111	0	209	0	207	0	0	0	0	0	296	0	317	264	285	0	357	255	309	0	316	305	288	0	291	282	0	0	0	0	0	0
400	77	0	74	0	123	0	128	0	0	0	0	0	319	0	354	286	316	0	358	265	329	0	350	301	308	0	330	291	0	0	0	0	0	0
500	132	0	129	0	186	0	180	0	0	0	0	0	29	0	65	1	166	2	175	87	20	0	43	350	0	0	27	324	0	0	0	0	0	0
600	119	0	114	0	161	0	163	0	0	0	0	0	31	0	56	341	159	2	175	86	20	0	61	340	1	0	35	325	0	0	0	0	0	0
700	114	0	109	0	163	0	162	0	0	0	0	0	31	0	79	355	157	2	175	87	26	0	51	3	6	0	35	336	0	0	0	0	0	0
800	117	0	109	0	173	0	171	0	0	0	0	0	33	0	67	331	162	2	175	86	22	0	52	354	2	0	30	331	0	0	0	0	0	0
900	141	0	137	0	193	0	139	0	0	0	0	0	31	0	72	2	163	2	175	86	25	0	57	356	7	0	44	338	0	0	0	0	0	0
1000	115	0	115	0	143	0	150	0	0	0	0	0	41	0	72	351	139	2	175	86	40	0	85	0	21	0	54	343	0	0	0	0	0	0
1100	120	0	111	0	175	0	173	0	0	0	0	0	22	0	54	298	159	2	177	86	16	0	41	344	356	0	32	316	0	0	0	0	0	0
1200	92	0	96	0	142	0	140	0	0	0	0	0	18	0	113	299	159	2	175	69	11	0	49	289	351	0	36	278	0	0	0	0	0	0
1300	103	0	72	0	146	0	144	0	0	0	0	0	6	0	69	294	152	2	176	86	2	0	64	307	346	0	46	297	0	0	0	0	0	0
1400	81	0	75	0	142	0	144	0	0	0	0	0	3	0	159	295	154	2	175	86	4	0	54	301	343	0	43	286	0	0	0	0	0	0
1500	103	0	90	0	151	0	148	0	0	0	0	0	355	0	56	278	161	2	175	87	0	0	51	303	342	0	38	306	0	0	0	0	0	0
1600	93	0	86	0	154	0	152	0	0	0	0	0	15	0	81	324	162	2	176	86	6	0	39	319	345	0	42	301	0	0	0	0	0	0
1700	83	0	73	0	140	0	139	0	0	0	0	0	11	0	83	305	150	2	177	86	5	0	66	309	349	0	22	295	0	0	0	0	0	0
1800	77	0	69	0	122	0	123	0	0	0	0	0	20	0	78	314	152	2	175	86	7	0	54	333	348	0	33	312	0	0	0	0	0	0
1900	99	0	93	0	138	0	140	0	0	0	0	0	23	0	70	335	154	2	175	86	10	0	48	323	351	0	34	314	0	0	0	0	0	0
2000	116	0	103	0	166	0	167	0	0	0	0	0	29	0	73	343	78	2	175	0	21	0	65	341	3	0	48	307	0	0	0	0	0	0
2100	123	0	112	0	187	0	181	0	0	0	0	0	22	0	64	324	22	0	165	345	12	0	40	334	351	0	17	283	0	0	0	0	0	0
2200	99	0	87	0	143	0	138	0	0	0	0	0	29	0	83	355	31	0	170	345	19	0	43	344	1	0	44	324	0	0	0	0	0	0
2300	85	0	79	0	123	0	119	0	0	0	0	0	37	0	73	12	43	0	169	356	30	0	51	9	13	0	48	347	0	0	0	0	0	0
2400	87	0	79	0	116	0	123	0	0	0	0	0	45	0	89	9	70	0	172	0	43	0	75	16	26	0	62	354	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	671	0	665	0	676	0	671	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	667	0	662	0	672	0	669	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	669	0	663	0	672	0	667	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	651	0	645	0	649	0	644	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	613	0	606	0	604	0	599	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	602	0	597	0	595	0	590	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	602	0	597	0	593	0	588	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	593	0	588	0	581	0	577	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	591	0	586	0	575	0	572	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	604	0	600	0	584	0	581	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	609	0	606	0	595	0	591	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	624	0	618	0	599	0	595	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	627	0	624	0	593	0	591	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	627	0	624	0	591	0	588	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	613	0	608	0	579	0	575	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	602	0	599	0	572	0	570	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	595	0	591	0	569	0	564	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	590	0	584	0	566	0	563	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	575	0	572	0	563	0	559	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	557	0	552	0	552	0	546	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	552	0	545	0	545	0	541	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	557	0	550	0	552	0	548	0	320	0	320	0	-3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	570	0	563	0	566	0	563	0	320	0	320	0	-3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	572	0	564	0	563	0	564	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND DIR2 MIN	MAX	S	WIND DIR3 150A MIN	MAX	S	WIND DIR4 150B MIN	MAX	S	WIND DIR5 MIN	MAX	S	WIND DIR6
100	75	0	78	0	107	0	128	0	0	0	0	0	53	0 79	37	65	0 125	356	57	0 78	43	41	0 60	20	0	0 0
200	64	0	66	0	97	0	116	0	0	0	0	0	69	0 99	44	79	0 96	3	63	0 82	47	47	0 75	34	0	0 0
300	62	0	61	0	102	0	111	0	0	0	0	0	91	0 110	76	88	0 129	75	78	0 88	69	62	0 72	48	0	0 0
400	67	0	66	0	115	0	141	0	0	0	0	0	72	0 89	52	79	0 95	39	67	0 76	60	51	0 61	47	0	0 0
500	62	0	62	0	115	0	136	0	0	0	0	0	70	0 96	51	79	0 95	8	61	0 74	50	46	0 59	36	0	0 0
600	60	0	59	0	118	0	138	0	0	0	0	0	76	0 94	52	81	0 96	33	64	0 75	56	48	0 58	40	0	0 0
700	70	0	65	0	111	0	120	0	0	0	0	0	85	0 108	67	86	0 130	75	78	0 99	63	62	0 80	50	0	0 0
800	51	0	47	0	66	0	71	0	0	0	0	0	79	0 108	33	87	0 171	39	80	0 103	66	64	0 86	32	0	0 0
900	38	0	34	0	48	0	46	0	0	0	0	0	77	0 163	2	85	0 165	0	81	0 142	33	66	0 124	10	0	0 0
1000	67	0	61	0	79	0	78	0	0	0	0	0	337	0 23	278	345	0 5	270	350	0 26	313	329	0 355	288	0	0 0
1100	71	0	66	0	89	0	77	0	0	0	0	0	331	0 19	281	333	0 357	266	350	0 28	311	332	0 40	275	0	0 0
1200	75	0	64	0	107	0	106	0	0	0	0	0	344	0 39	291	352	0 130	270	359	0 30	319	341	0 38	301	0	0 0
1300	82	0	67	0	103	0	103	0	0	0	0	0	338	0 26	276	348	0 170	270	357	0 28	326	336	0 15	308	0	0 0
1400	71	0	59	0	103	0	96	0	0	0	0	0	349	0 137	287	353	0 164	270	358	0 36	294	339	0 46	293	0	0 0
1500	76	0	65	0	100	0	98	0	0	0	0	0	333	0 33	287	344	0 156	270	357	0 35	317	336	0 43	308	0	0 0
1600	67	0	61	0	85	0	83	0	0	0	0	0	341	0 36	275	343	0 128	271	357	0 30	306	338	0 56	301	0	0 0
1700	63	0	57	0	93	0	92	0	0	0	0	0	341	0 27	275	344	0 79	271	357	0 35	312	336	0 34	283	0	0 0
1800	58	0	53	0	79	0	80	0	0	0	0	0	25	0 67	335	16	0 141	345	14	0 45	326	355	0 61	318	0	0 0
1900	54	0	47	0	67	0	67	0	0	0	0	0	23	0 62	349	11	0 85	349	20	0 49	354	2	0 67	336	0	0 0
2000	33	0	31	0	52	0	64	0	0	0	0	0	53	0 81	29	54	0 96	356	52	0 76	33	34	0 58	16	0	0 0
2100	32	0	33	0	45	0	56	0	0	0	0	0	71	0 75	66	88	0 93	84	69	0 79	64	51	0 55	48	0	0 0
2200	30	0	31	0	47	0	56	0	0	0	0	0	63	3 74	54	83	0 92	75	58	0 66	54	41	0 50	37	0	0 0
2300	51	0	44	0	61	0	62	0	0	0	0	0	115	0 123	106	105	0 130	86	98	0 105	88	82	0 89	72	0	0 0
2400	56	0	50	0	78	0	73	0	0	0	0	0	124	0 130	119	123	0 135	90	109	0 112	107	95	0 97	93	0	0 0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	525	0	519	0	541	0	537	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
200	507	0	500	0	523	0	519	0	320	0	320	0	13	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
300	496	0	489	0	507	0	503	0	320	0	320	0	10	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
400	471	0	464	0	510	0	505	0	320	0	320	0	39	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
500	465	0	456	0	500	0	496	0	320	0	320	0	36	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
600	471	0	462	0	503	0	500	0	320	0	320	0	34	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
700	501	0	494	0	509	0	503	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
800	563	0	559	0	530	0	527	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
900	608	0	604	0	577	0	572	0	320	0	320	0	-23	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1000	599	0	593	0	584	0	581	0	320	0	320	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1100	613	0	609	0	600	0	597	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1200	626	0	622	0	597	0	593	0	320	0	320	0	-29	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1300	642	0	638	0	606	0	604	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1400	653	0	649	0	613	0	611	0	320	0	320	0	-37	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1500	649	0	644	0	617	0	613	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1600	651	0	647	0	617	0	615	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1700	645	0	640	0	615	0	611	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1800	638	0	633	0	617	0	611	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1900	622	0	617	0	611	0	606	0	320	0	320	0	-19	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
2000	591	0	592	0	595	0	590	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
2100	543	0	537	0	593	0	590	0	320	0	320	0	52	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
2200	532	0	534	0	584	0	584	0	320	0	320	0	50	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
2300	570	0	563	0	593	0	598	0	320	0	320	0	23	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
2400	563	0	561	0	595	0	591	0	320	0	320	0	29	0	30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	WIND DIR6	S
100	57	0	53	0	63	0	71	0	0	0	0	0	133	0	142	127	133	0	141	125	121	0	123	119	107	0	110	104	0	0	0	0	0	0
200	64	0	61	0	87	0	93	0	0	0	0	0	144	0	208	129	141	0	176	91	133	0	137	129	119	0	123	115	0	0	0	0	0	0
300	65	0	60	0	82	0	95	0	0	0	0	0	143	0	159	123	144	0	174	125	136	0	138	135	122	0	124	121	0	0	0	0	0	0
400	112	0	102	0	144	0	144	0	0	0	0	0	32	0	52	10	41	0	162	0	29	0	58	7	10	0	48	342	0	0	0	0	0	0
500	62	0	59	0	103	0	117	0	0	0	0	0	137	0	155	124	139	0	174	109	143	0	146	142	129	0	131	128	0	0	0	0	0	0
600	53	0	49	0	112	0	117	0	0	0	0	0	145	0	165	120	146	0	199	110	154	0	157	147	140	0	144	134	0	0	0	0	0	0
700	43	0	37	0	127	0	134	0	0	0	0	0	129	0	159	93	122	0	175	85	166	0	170	163	152	0	155	150	0	0	0	0	0	0
800	32	0	31	0	63	0	67	0	0	0	0	0	125	0	177	70	122	0	175	6	173	0	216	121	161	0	196	132	0	0	0	0	0	0
900	41	0	30	0	68	0	52	0	0	0	0	0	209	0	259	112	211	3	260	135	210	0	245	159	196	0	260	151	0	0	0	0	0	0
1000	57	0	51	0	67	0	73	0	0	0	0	0	249	0	293	216	246	0	276	210	247	0	286	216	231	0	254	195	0	0	0	0	0	0
1100	71	0	66	0	77	0	85	0	0	0	0	0	263	0	300	223	258	0	276	210	258	0	285	219	241	0	270	208	0	0	0	0	0	0
1200	76	0	68	0	89	0	95	0	0	0	0	0	265	0	291	243	259	0	276	221	271	0	307	247	254	0	292	233	0	0	0	0	0	0
1300	62	0	53	0	77	0	91	0	0	0	0	0	279	0	327	235	269	0	352	216	284	0	326	247	267	0	309	232	0	0	0	0	0	0
1400	60	0	54	0	75	0	83	0	0	0	0	0	277	0	350	234	269	0	354	224	293	0	339	258	269	0	301	228	0	0	0	0	0	0
1500	63	0	56	0	83	0	88	0	0	0	0	0	305	0	8	274	282	0	355	255	305	0	332	293	285	0	312	274	0	0	0	0	0	0
1600	52	0	45	0	66	0	71	0	0	0	0	0	301	0	333	226	276	0	356	221	305	0	326	287	285	0	302	257	0	0	0	0	0	0
1700	49	0	42	0	69	0	75	0	0	0	0	0	297	0	326	264	278	0	340	226	297	0	312	276	275	0	239	247	0	0	0	0	0	0
1800	28	0	25	0	27	0	32	0	0	0	0	0	304	0	356	234	292	3	354	231	299	0	333	273	278	0	309	247	0	0	0	0	0	0
1900	25	0	21	0	20	0	26	0	0	0	0	0	233	0	255	189	225	0	264	169	258	0	286	218	243	0	264	220	0	0	0	0	0	0
2000	22	0	17	0	24	0	26	0	0	0	0	0	185	0	196	177	191	0	186	174	214	0	220	200	200	0	206	188	0	0	0	0	0	0
2100	51	0	45	0	55	0	58	0	0	0	0	0	120	0	123	117	124	0	136	119	137	0	146	134	126	0	136	123	0	0	0	0	0	0
2200	55	0	49	0	77	0	81	0	0	0	0	0	126	0	141	118	128	0	140	119	149	0	168	135	138	0	154	123	0	0	0	0	0	0
2300	44	0	39	0	145	0	115	0	0	0	0	0	169	0	213	104	169	0	260	92	192	0	195	186	177	0	180	175	0	0	0	0	0	0
2400	51	0	40	0	161	0	125	0	0	0	0	0	175	0	238	134	174	0	266	91	197	0	206	189	183	0	191	175	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	568	0	561	0	599	0	593	0	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	527	0	519	0	600	0	595	0	320	0	320	0	75	0	75	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	536	0	528	0	609	0	606	0	320	0	320	0	73	0	75	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	572	0	566	0	568	0	564	0	320	0	320	0	-3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	523	0	516	0	611	0	606	0	320	0	320	0	88	0	90	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	519	0	512	0	611	0	608	0	320	0	320	0	95	0	97	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	527	0	521	0	584	0	581	0	320	0	320	0	57	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	631	0	627	0	600	0	597	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	667	0	663	0	644	0	640	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	667	0	662	0	653	0	649	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	672	0	665	0	665	0	653	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	692	0	687	0	674	0	671	0	320	0	320	0	-15	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	717	0	714	0	674	0	676	0	320	0	320	0	-39	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	723	0	719	0	680	0	676	0	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	757	0	753	0	705	0	701	0	320	0	320	0	-52	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	761	0	757	0	717	0	716	0	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	761	0	755	0	716	0	712	0	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	768	0	762	0	744	0	743	0	320	0	320	0	-21	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	752	0	748	0	750	0	746	0	320	0	320	0	-1	0	1	0	0		0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	712	0	705	0	732	0	726	0	320	0	320	0	19	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	696	0	687	0	721	0	716	0	320	0	320	0	27	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	674	0	667	0	717	0	712	0	320	0	320	0	45	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	647	0	640	0	712	0	707	0	320	0	320	0	64	0	66	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	636	0	629	0	699	0	694	0	320	0	320	0	63	0	64	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 50 A S	MIN MAX DIR2 50 B S	MIN MAX DIR3 150A S	MIN MAX DIR4 150B S	MIN MAX DIR5 S	MIN MAX DIR6 S
100	65 0	48 0	163 0	173 0	0 0	0 0	200 0	240 103	201 0	269 102	210 0	218 204	196 0	203 191	0 0	0 0	0 0	0 0
200	82 0	57 0	162 0	156 0	0 0	0 0	211 0	239 181	211 0	256 174	223 0	227 216	210 0	214 203	0 0	0 0	0 0	0 0
300	69 0	48 0	159 0	140 0	0 0	0 0	195 0	238 136	194 0	260 136	214 0	220 204	201 0	211 192	0 0	0 0	0 0	0 0
400	92 0	69 0	171 0	190 0	0 0	0 0	218 0	237 182	217 0	265 176	227 0	237 213	213 0	223 201	0 0	0 0	0 0	0 0
500	86 0	64 0	169 0	165 0	0 0	0 0	213 0	235 179	212 0	257 166	226 0	239 206	211 0	231 193	0 0	0 0	0 0	0 0
600	77 0	66 0	137 0	146 0	0 0	0 0	226 0	256 179	223 0	260 176	231 0	250 212	216 0	229 195	0 0	0 0	0 0	0 0
700	76 0	62 0	133 0	135 0	0 0	0 0	225 0	260 196	223 0	266 175	230 0	248 210	214 0	231 187	0 0	0 0	0 0	0 0
800	75 0	66 0	108 0	114 0	0 0	0 0	235 0	283 209	232 0	268 179	235 0	261 206	220 0	262 186	0 0	0 0	0 0	0 0
900	80 0	74 0	107 0	117 0	0 0	0 0	249 0	275 213	246 0	273 215	243 0	275 211	225 0	243 192	0 0	0 0	0 0	0 0
1000	72 0	63 0	105 0	110 0	0 0	0 0	242 0	278 201	237 0	266 176	241 0	274 209	223 0	257 192	0 0	0 0	0 0	0 0
1100	119 0	111 0	147 0	155 0	0 0	0 0	247 0	269 224	244 0	270 205	248 0	257 228	233 0	246 201	0 0	0 0	0 0	0 0
1200	114 0	110 0	125 0	134 0	0 0	0 0	250 0	279 220	246 0	270 185	246 0	266 219	230 0	247 209	0 0	0 0	0 0	0 0
1300	97 0	91 0	125 0	134 0	0 0	0 0	243 0	272 218	247 0	274 214	248 0	265 208	232 0	246 213	0 0	0 0	0 0	0 0
1400	93 0	87 0	138 0	147 0	0 0	0 0	247 0	273 213	244 0	275 214	253 0	263 243	238 0	247 231	0 0	0 0	0 0	0 0
1500	65 0	60 0	91 0	99 0	0 0	0 0	258 0	299 220	252 0	275 213	262 0	309 220	243 0	279 206	0 0	0 0	0 0	0 0
1600	88 0	82 0	126 0	136 0	0 0	0 0	246 0	266 221	242 0	275 209	258 0	262 249	242 0	248 228	0 0	0 0	0 0	0 0
1700	86 0	81 0	121 0	129 0	0 0	0 0	246 0	272 219	240 0	265 182	250 0	281 234	234 0	253 202	0 0	0 0	0 0	0 0
1800	56 0	50 0	83 0	91 0	0 0	0 0	240 0	323 187	237 0	321 210	242 0	269 202	227 0	260 192	0 0	0 0	0 0	0 0
1900	63 0	59 0	98 0	106 0	0 0	0 0	237 0	261 187	232 0	276 180	238 0	261 202	222 0	240 187	0 0	0 0	0 0	0 0
2000	64 0	61 0	113 0	122 0	0 0	0 0	236 0	252 215	234 0	265 182	242 0	246 238	226 0	231 221	0 0	0 0	0 0	0 0
2100	52 0	48 0	109 0	109 0	0 0	0 0	231 0	260 209	229 0	265 176	245 0	253 235	230 0	247 213	0 0	0 0	0 0	0 0
2200	52 0	49 0	100 0	110 0	0 0	0 0	239 0	258 222	236 0	266 210	250 0	260 240	235 0	243 221	0 0	0 0	0 0	0 0
2300	85 0	81 0	141 0	151 0	0 0	0 0	240 0	273 211	240 0	276 210	251 0	261 238	235 0	243 217	0 0	0 0	0 0	0 0
2400	103 0	99 0	156 0	165 0	0 0	0 0	246 0	274 223	246 0	276 210	264 0	269 257	248 0	253 230	0 0	0 0	0 0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	644 0	638 0	712 0	707 0	320 0	320 0	68 0	68 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
200	651 0	644 0	708 0	705 0	320 0	320 0	59 0	61 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
300	620 0	613 0	687 0	681 0	320 0	320 0	68 0	68 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
400	633 0	626 0	674 0	671 0	320 0	320 0	43 0	43 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
500	629 0	624 0	660 0	654 0	320 0	320 0	28 0	28 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
600	631 0	626 0	647 0	642 0	320 0	320 0	16 0	16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
700	631 0	626 0	636 0	633 0	320 0	320 0	7 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
800	662 0	656 0	651 0	645 0	320 0	320 0	-12 0	-12 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
900	671 0	665 0	660 0	656 0	320 0	320 0	-19 0	-10 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1000	705 0	699 0	685 0	681 0	320 0	320 0	-19 0	-19 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1100	717 0	712 0	703 0	699 0	320 0	320 0	-14 0	-12 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1200	739 0	728 0	719 0	716 0	320 0	320 0	-14 0	-12 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1300	734 0	728 0	719 0	716 0	320 0	320 0	-14 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1400	743 0	743 0	737 0	732 0	320 0	320 0	-10 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1500	773 0	770 0	744 0	743 0	320 0	320 0	-28 0	-27 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1600	752 0	746 0	748 0	743 0	320 0	320 0	-3 0	-3 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1700	773 0	768 0	766 0	761 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1800	782 0	777 0	762 0	759 0	320 0	320 0	-13 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1900	784 0	779 0	773 0	770 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2000	748 0	741 0	770 0	764 0	320 0	320 0	23 0	25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2100	721 0	714 0	750 0	744 0	320 0	320 0	28 0	26 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2200	716 0	710 0	743 0	737 0	320 0	320 0	28 0	28 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2300	723 0	723 0	739 0	734 0	320 0	320 0	10 0	10 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2400	725 0	719 0	752 0	746 0	320 0	320 0	27 0	27 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	89	0	85	0	144	0	153	0	0	0	0	0	240	0	270	212	236	0	271	210	252	0	271	231	236	0	250	202	0	0	0	0	0	0	0	0
200	89	0	84	0	145	0	157	0	0	0	0	0	238	0	264	201	236	0	276	182	248	0	279	226	231	0	243	209	0	0	0	0	0	0	0	0
300	110	0	105	0	159	0	172	0	0	0	0	0	240	0	261	215	237	0	266	178	248	0	279	228	231	0	241	213	0	0	0	0	0	0	0	0
400	83	0	81	0	138	0	148	0	0	0	0	0	237	0	267	210	231	0	265	176	245	0	273	226	229	0	248	202	0	0	0	0	0	0	0	0
500	94	0	87	0	141	0	148	0	0	0	0	0	237	0	265	211	234	0	265	210	242	0	263	214	226	0	247	200	0	0	0	0	0	0	0	0
600	85	0	78	0	133	0	143	0	0	0	0	0	236	0	265	207	235	0	267	176	241	0	252	221	226	0	248	207	0	0	0	0	0	0	0	0
700	86	0	81	0	133	0	142	0	0	0	0	0	240	0	276	199	239	0	355	210	242	0	281	222	226	0	257	204	0	0	0	0	0	0	0	0
800	87	0	80	0	138	0	147	0	0	0	0	0	240	0	269	196	241	0	276	182	247	0	260	216	230	0	246	209	0	0	0	0	0	0	0	0
900	96	0	94	0	127	0	136	0	0	0	0	0	246	0	276	226	244	0	266	216	257	0	278	238	241	0	259	219	0	0	0	0	0	0	0	0
1000	97	0	93	0	123	0	131	0	0	0	0	0	249	0	289	219	245	0	276	182	261	0	276	252	245	0	254	236	0	0	0	0	0	0	0	0
1100	75	0	72	0	87	0	94	0	0	0	0	0	247	0	286	221	246	0	276	214	268	0	317	221	252	0	280	225	0	0	0	0	0	0	0	0
1200	74	0	70	0	84	0	90	0	0	0	0	0	249	0	284	221	245	0	304	210	265	0	281	234	247	0	267	206	0	0	0	0	0	0	0	0
1300	65	0	62	0	65	0	72	0	0	0	0	0	270	0	305	224	262	0	276	221	270	0	311	218	253	0	283	220	0	0	0	0	0	0	0	0
1400	92	0	39	0	95	0	101	0	0	0	0	0	273	0	292	252	265	0	276	255	282	0	293	253	266	0	275	252	0	0	0	0	0	0	0	0
1500	46	0	40	0	68	0	71	0	0	0	0	0	291	0	331	234	276	0	349	220	322	0	354	263	301	0	328	269	0	0	0	0	0	0	0	0
1600	54	0	53	0	65	0	66	0	0	0	0	0	36	0	86	314	28	0	126	351	27	0	69	350	6	0	49	313	0	0	0	0	0	0	0	0
1700	53	0	57	0	76	0	84	0	0	0	0	0	50	0	91	16	51	0	91	356	47	0	87	7	30	0	69	350	0	0	0	0	0	0	0	0
1800	21	0	20	0	26	0	33	0	0	0	0	0	75	3	163	6	78	3	176	0	70	3	145	3	57	0	128	5	0	0	0	0	0	0	0	0
1900	25	0	23	0	27	0	30	0	0	0	0	0	119	0	164	83	120	3	175	75	111	3	156	45	96	0	164	43	0	0	0	0	0	0	0	0
2000	12	0	12	0	28	0	31	0	0	0	0	0	65	3	149	7	75	3	130	0	87	0	109	61	74	0	92	49	0	0	0	0	0	0	0	0
2100	31	0	27	0	55	0	59	0	0	0	0	0	114	0	131	96	113	3	136	86	110	0	124	103	97	0	108	91	0	0	0	0	0	0	0	0
2200	19	0	16	0	47	0	50	0	0	0	0	0	98	0	165	58	97	3	141	74	104	0	121	90	91	0	106	81	0	0	0	0	0	0	0	0
2300	27	0	23	0	70	0	74	0	0	0	0	0	136	0	200	114	133	3	176	80	157	0	166	148	145	0	154	138	0	0	0	0	0	0	0	0
2400	33	0	24	0	44	0	49	0	0	0	0	0	111	0	119	99	109	0	125	78	142	0	148	133	131	0	136	123	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	719	0	714	0	728	0	723	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	719	0	714	0	725	0	719	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	716	0	708	0	719	0	714	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	707	0	701	0	705	0	701	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	699	0	694	0	694	0	689	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	690	0	685	0	685	0	691	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	694	0	689	0	685	0	681	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	694	0	687	0	683	0	678	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	699	0	694	0	689	0	683	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	701	0	694	0	692	0	689	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	725	0	719	0	710	0	707	0	320	0	320	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	734	0	730	0	723	0	719	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	761	0	757	0	744	0	743	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	744	0	739	0	734	0	730	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	764	0	761	0	730	0	728	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	762	0	761	0	735	0	732	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	784	0	780	0	755	0	750	0	320	0	320	0	-28	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	813	0	816	0	793	0	798	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	797	0	791	0	784	0	779	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	773	0	766	0	773	0	768	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	762	0	757	0	770	0	764	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	739	0	732	0	759	0	753	0	320	0	320	0	19	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	734	0	726	0	753	0	748	0	320	0	320	0	19	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	712	0	705	0	737	0	732	0	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		WIND DIR2 MIN	MAX	S	WIND DIR3 MIN	MAX	S	WIND DIR4 MIN	MAX	S	WIND DIR5 MIN	MAX	S	WIND DIR6 MIN	MAX	S
100	43	0	39	0	65	0	70	0	0	0	0	0	117	0	124	109	119	0	135	96	143	0	156	129	132	0	145	119	0	0	0	0	0	0
200	41	0	32	0	66	0	70	0	0	0	0	0	115	0	121	107	98	0	140	85	141	0	148	135	130	0	134	123	0	0	0	0	0	0
300	44	0	39	0	87	0	90	0	0	0	0	0	112	0	126	95	93	0	138	86	113	0	118	104	101	0	108	92	0	0	0	0	0	0
400	78	0	66	0	121	0	122	0	0	0	0	0	111	0	124	90	97	0	135	95	111	0	129	105	98	0	117	91	0	0	0	0	0	0
500	83	0	71	0	109	0	115	0	0	0	0	0	119	0	129	103	100	0	158	86	127	0	133	114	115	0	120	108	0	0	0	0	0	0
600	86	0	77	0	114	0	122	0	0	0	0	0	119	0	131	110	106	0	171	96	135	0	145	121	124	0	130	116	0	0	0	0	0	0
700	95	0	95	0	117	0	125	0	0	0	0	0	117	0	130	102	104	0	174	86	125	0	135	101	114	0	126	101	0	0	0	0	0	0
800	82	0	76	0	124	0	128	0	0	0	0	0	128	0	165	101	121	0	170	80	145	0	167	118	133	0	153	105	0	0	0	0	0	0
900	83	0	75	0	130	0	135	0	0	0	0	0	131	0	173	99	124	0	175	86	150	0	173	127	139	0	157	117	0	0	0	0	0	0
1000	69	0	65	0	107	0	110	0	0	0	0	0	132	0	176	81	130	0	176	74	152	0	175	116	140	0	164	105	0	0	0	0	0	0
1100	74	0	71	0	116	0	122	0	0	0	0	0	135	0	195	98	141	0	255	90	149	0	184	122	138	0	169	109	0	0	0	0	0	0
1200	73	0	70	0	111	0	116	0	0	0	0	0	143	0	264	99	139	0	178	74	154	0	186	117	143	0	174	108	0	0	0	0	0	0
1300	77	0	74	0	116	0	122	0	0	0	0	0	138	0	223	95	129	0	179	90	147	0	198	112	135	0	172	102	0	0	0	0	0	0
1400	61	0	54	0	85	0	84	0	0	0	0	0	149	0	234	94	149	0	268	90	166	0	221	96	155	0	217	103	0	0	0	0	0	0
1500	39	0	33	0	66	0	59	0	0	0	0	0	183	0	262	94	184	0	263	90	187	0	264	117	172	0	213	97	0	0	0	0	0	0
1600	64	0	50	0	61	0	68	0	0	0	0	0	261	0	324	230	253	0	276	215	255	0	297	220	239	0	267	212	0	0	0	0	0	0
1700	41	0	38	0	42	0	48	0	0	0	0	0	292	0	348	248	276	0	358	218	289	0	316	245	271	0	299	220	0	0	0	0	0	0
1800	30	0	26	0	44	0	45	0	0	0	0	0	262	0	310	219	258	3	313	214	228	0	281	192	213	0	262	172	0	0	0	0	0	0
1900	23	0	24	0	49	0	54	0	0	0	0	0	264	0	295	223	259	0	286	213	241	0	277	199	225	0	264	181	0	0	0	0	0	0
2000	33	0	22	0	66	0	60	0	0	0	0	0	203	0	237	167	209	3	231	135	205	0	216	195	191	0	203	179	0	0	0	0	0	0
2100	36	0	32	0	84	0	85	0	0	0	0	0	126	0	158	93	131	0	174	86	155	0	168	145	144	0	158	131	0	0	0	0	0	0
2200	47	0	43	0	122	0	112	0	0	0	0	0	157	0	199	124	155	0	214	91	179	0	186	167	166	0	171	160	0	0	0	0	0	0
2300	49	0	46	0	132	0	114	0	0	0	0	0	160	0	197	101	160	0	226	91	185	0	195	176	171	0	180	164	0	0	0	0	0	0
2400	52	0	50	0	123	0	129	0	0	0	0	0	129	0	161	101	133	0	175	86	159	0	166	146	148	0	153	134	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	710	0	703	0	732	0	726	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	699	0	692	0	723	0	717	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	694	0	689	0	707	0	703	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	692	0	685	0	696	0	690	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	690	0	685	0	694	0	689	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	694	0	687	0	689	0	685	0	320	0	320	0	-3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	696	0	690	0	689	0	693	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	717	0	714	0	701	0	696	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	735	0	732	0	712	0	707	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	764	0	761	0	730	0	725	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	782	0	777	0	746	0	743	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	809	0	807	0	766	0	761	0	320	0	320	0	-43	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	827	0	824	0	782	0	779	0	320	0	320	0	-43	0	-46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	851	0	849	0	800	0	797	0	320	0	320	0	-48	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	885	0	883	0	824	0	820	0	320	0	320	0	-59	0	-59	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	827	0	824	0	815	0	811	0	320	0	320	0	-12	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	813	0	809	0	793	0	791	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	815	0	811	0	800	0	795	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	797	0	793	0	798	0	793	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	783	0	782	0	800	0	795	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	764	0	757	0	784	0	782	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	753	0	753	0	791	0	786	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	757	0	750	0	779	0	773	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	734	0	726	0	752	0	746	0	320	0	320	0	13	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	62	0	54	0	139	0	128	0	0	0	0	0	147	0	192	96	148	0	229	90	174	0	186	164	162	0	175	149	0	0	0	0	0	0	0	0
200	54	0	46	0	126	0	116	0	0	0	0	0	140	0	175	93	134	0	174	78	173	0	186	158	161	0	172	146	0	0	0	0	0	0	0	0
300	63	0	56	0	134	0	121	0	0	0	0	0	149	0	196	106	148	0	219	90	177	0	191	162	163	0	175	153	0	0	0	0	0	0	0	0
400	47	0	44	0	126	0	110	0	0	0	0	0	162	0	246	109	156	0	260	90	184	0	211	154	171	0	211	154	0	0	0	0	0	0	0	0
500	48	0	44	0	123	0	102	0	0	0	0	0	173	0	239	117	171	0	260	90	190	0	202	159	177	0	221	140	0	0	0	0	0	0	0	0
600	36	0	28	0	80	0	71	0	0	0	0	0	177	0	265	110	172	3	265	90	186	0	213	157	173	0	209	146	0	0	0	0	0	0	0	0
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0
800	43	0	32	0	68	0	59	0	0	0	0	0	185	0	230	103	136	0	256	129	204	0	234	173	191	0	220	162	0	0	0	0	0	0	0	0
900	75	0	68	0	103	0	102	0	0	0	0	0	234	0	268	191	232	0	276	210	231	0	267	198	216	0	240	137	0	0	0	0	0	0	0	0
1000	91	0	82	0	121	0	130	0	0	0	0	0	235	0	269	161	233	0	270	181	236	0	259	205	221	0	246	187	0	0	0	0	0	0	0	0
1100	111	0	105	0	125	0	135	0	0	0	0	0	249	0	283	230	243	0	273	212	245	0	259	219	229	0	255	194	0	0	0	0	0	0	0	0
1200	94	0	86	0	135	0	143	0	0	0	0	0	244	0	271	211	238	0	269	211	253	0	280	231	237	0	258	208	0	0	0	0	0	0	0	0
1300	109	0	92	0	117	0	123	0	0	0	0	0	249	0	273	213	243	0	271	208	242	0	276	206	226	0	257	194	0	0	0	0	0	0	0	0
1400	73	0	65	0	88	0	93	0	0	0	0	0	258	0	289	206	248	0	275	180	259	0	295	216	242	0	275	194	0	0	0	0	0	0	0	0
1500	87	0	79	0	101	0	106	0	0	0	0	0	263	0	288	233	261	0	322	220	269	0	291	245	252	0	269	219	0	0	0	0	0	0	0	0
1600	72	0	66	0	74	0	81	0	0	0	0	0	253	0	292	217	249	0	314	210	256	0	279	213	240	0	267	195	0	0	0	0	0	0	0	0
1700	59	0	51	0	75	0	80	0	0	0	0	0	254	0	299	220	247	0	305	209	264	0	313	217	246	0	284	212	0	0	0	0	0	0	0	0
1800	82	0	77	0	111	0	119	0	0	0	0	0	251	0	279	230	249	0	271	214	255	0	265	225	240	0	252	215	0	0	0	0	0	0	0	0
1900	103	0	99	0	164	0	172	0	0	0	0	0	244	0	267	216	240	0	266	209	255	0	268	232	239	0	252	215	0	0	0	0	0	0	0	0
2000	123	0	115	0	201	0	213	0	0	0	0	0	241	0	271	207	237	0	275	209	248	0	260	226	232	0	251	209	0	0	0	0	0	0	0	0
2100	84	0	68	0	155	0	165	0	0	0	0	0	225	0	253	192	219	0	264	175	232	0	258	218	216	0	235	199	0	0	0	0	0	0	0	0
2200	90	0	77	0	147	0	152	0	0	0	0	0	239	0	265	184	227	0	264	173	234	0	257	212	217	0	246	187	0	0	0	0	0	0	0	0
2300	109	0	94	0	181	0	191	0	0	0	0	0	236	0	271	193	234	0	350	181	237	0	254	216	220	0	240	198	0	0	0	0	0	0	0	0
2400	115	0	105	0	177	0	187	0	0	0	0	0	237	0	269	185	232	0	268	176	237	0	252	211	221	0	242	203	0	0	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S		S
100	726	0	719	0	737	0	732	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	716	0	710	0	726	0	723	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	705	0	699	0	714	0	708	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	697	0	692	0	712	0	708	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	694	0	689	0	707	0	701	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	710	0	705	0	701	0	696	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	759	0	755	0	739	0	734	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	784	0	779	0	768	0	766	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	118	0
1000	809	0	804	0	791	0	786	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	6
1100	825	0	820	0	809	0	806	0	320	0	320	0	-15	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	816	0	811	0	806	0	800	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	854	0	849	0	827	0	824	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	883	0	879	0	851	0	847	0	320	0	320	0	-32	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	874	0	869	0	849	0	845	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	874	0	870	0	854	0	851	0	320	0	320	0	-19	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	875	0	870	0	851	0	845	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	865	0	860	0	854	0	849	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	833	0	825	0	834	0	829	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	816	0	809	0	833	0	831	0	320	0	320	0	21	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	802	0	797	0	829	0	824	0	320	0	320	0	29	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	820	0	815	0	825	0	818	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	816	0	809	0	818	0	813	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	804	0	798	0	806	0	800	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	123	0	115	0	195	0	210	0	0	0	0	0	240	0	266	212	235	0	265	195	242	0	263	213	227	0	253	201	0	0	0	0	0	0	0	0
200	125	0	120	0	195	0	208	0	0	0	0	0	243	0	268	198	241	0	276	210	246	0	259	223	230	0	248	212	0	0	0	0	0	0	0	0
300	115	0	110	0	197	0	207	0	0	0	0	0	243	0	269	214	241	0	269	185	255	0	262	240	238	0	248	227	0	0	0	0	0	0	0	0
400	81	0	76	0	148	0	158	0	0	0	0	0	243	0	286	213	244	0	276	191	261	0	284	251	245	0	273	223	0	0	0	0	0	0	0	0
500	71	0	61	0	122	0	121	0	0	0	0	0	342	0	59	286	353	0	96	271	351	0	19	331	330	0	353	318	0	0	0	0	0	0	0	0
600	74	0	69	0	120	0	119	0	0	0	0	0	21	0	89	343	68	0	171	0	12	0	42	324	353	0	47	325	0	0	0	0	0	0	0	0
700	64	0	62	0	113	0	113	0	0	0	0	0	23	0	82	325	35	0	170	277	13	0	46	339	356	0	55	318	0	0	0	0	0	0	0	0
800	75	0	68	0	107	0	105	0	0	0	0	0	26	0	62	343	27	0	165	275	17	0	47	345	357	0	67	325	0	0	0	0	0	0	0	0
900	43	0	46	0	77	0	77	0	0	0	0	0	13	0	83	310	9	0	139	270	9	0	45	316	352	0	75	292	0	0	0	0	0	0	0	0
1000	54	0	46	0	86	0	79	0	0	0	0	0	4	0	74	287	0	0	170	270	5	0	62	302	345	0	49	283	0	0	0	0	0	0	0	0
1100	58	0	49	0	80	0	79	0	0	0	0	0	352	0	129	273	356	0	89	271	358	0	58	322	338	0	23	283	0	0	0	0	0	0	0	0
1200	74	0	66	0	93	0	93	0	0	0	0	0	345	0	176	301	348	0	123	274	354	0	31	287	333	0	16	278	0	0	0	0	0	0	0	0
1300	67	0	58	0	89	0	82	0	0	0	0	0	336	0	33	279	331	0	358	261	358	0	62	302	337	0	41	285	0	0	0	0	0	0	0	0
1400	59	0	52	0	75	0	74	0	0	0	0	0	336	0	35	271	324	0	359	254	349	0	50	305	327	0	14	273	0	0	0	0	0	0	0	0
1500	55	0	48	0	62	0	61	0	0	0	0	0	323	0	26	275	316	0	358	253	341	0	15	306	322	0	3	286	0	0	0	0	0	0	0	0
1600	53	0	45	0	49	0	51	0	0	0	0	0	317	0	0	275	309	0	355	225	339	0	11	309	318	0	346	289	0	0	0	0	0	0	0	0
1700	34	0	28	0	35	0	38	0	0	0	0	0	297	0	353	231	285	3	359	219	318	0	347	280	298	0	337	259	0	0	0	0	0	0	0	0
1800	25	0	19	0	20	0	22	0	0	0	0	0	301	0	347	240	289	3	355	220	335	0	6	298	313	0	344	274	0	0	0	0	0	0	0	0
1900	17	0	13	0	20	0	23	0	0	0	0	0	340	3	38	279	333	3	5	270	19	3	36	345	2	3	47	324	0	0	0	0	0	0	0	0
2000	10	0	0	4	13	0	17	0	0	0	0	0	348	3	52	288	345	3	74	270	8	3	29	352	347	0	4	328	0	0	0	0	0	0	0	0
2100	19	0	16	0	31	0	34	0	0	0	0	0	56	3	71	47	80	3	84	74	47	0	50	41	27	0	29	21	0	0	0	0	0	0	0	0
2200	19	0	16	0	27	0	33	0	0	0	0	0	48	3	61	32	55	3	84	355	50	3	58	44	31	0	38	24	0	0	0	0	0	0	0	0
2300	34	0	28	0	43	0	49	0	0	0	0	0	35	0	47	28	1	3	6	356	24	0	27	21	5	0	8	0	0	0	0	0	0	0	0	0
2400	59	0	54	0	87	0	86	0	0	0	0	0	13	0	30	355	359	0	6	345	19	0	25	15	2	0	46	354	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	797	0	791	0	797	0	793	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	780	0	775	0	782	0	777	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	753	0	748	0	771	0	766	0	320	0	320	0	19	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	737	0	732	0	744	0	739	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	723	0	717	0	721	0	716	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	713	0	708	0	705	0	701	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	712	0	707	0	701	0	696	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	721	0	716	0	705	0	701	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	743	0	737	0	717	0	712	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	744	0	741	0	719	0	714	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	743	0	737	0	717	0	714	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	748	0	743	0	716	0	712	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	761	0	757	0	725	0	721	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	765	0	762	0	726	0	723	0	320	0	320	0	-37	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	777	0	775	0	735	0	732	0	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	771	0	768	0	734	0	730	0	320	0	320	0	-37	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	775	0	771	0	750	0	748	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	773	0	775	0	766	0	762	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	769	0	761	0	762	0	759	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	710	0	703	0	732	0	726	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	683	0	678	0	705	0	699	0	320	0	320	0	23	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	680	0	672	0	707	0	701	0	320	0	320	0	28	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	689	0	683	0	714	0	708	0	320	0	320	0	27	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	725	0	717	0	735	1	730	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	60	0	52	0	88	0	86	0	0	0	0	0	17	9	49	354	1	0	31	349	17	0	19	12	7	0	59	354	0	0	0	0	0	0
200	25	0	20	0	52	0	53	0	0	0	0	0	343	3	5	305	339	0	356	266	7	0	12	359	347	0	351	340	0	0	0	0	0	0
300	35	0	32	0	12	0	16	0	0	0	0	0	238	0	249	222	230	0	265	221	287	0	348	250	269	0	341	233	0	0	0	0	0	0
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
600	76	0	72	0	83	0	83	0	0	0	0	0	337	0	2	290	338	0	5	270	345	0	7	317	324	0	343	290	0	0	0	0	0	0
700	58	0	54	0	77	0	76	0	0	0	0	0	321	0	353	244	319	0	356	259	341	0	355	313	318	0	340	258	0	0	0	0	0	0
800	69	0	65	0	98	0	98	0	0	0	0	0	336	3	23	282	338	0	1	271	347	0	14	315	325	0	343	292	0	0	0	0	0	0
900	40	0	0	2	46	0	0	2	0	2	0	2	300	0	0	0	0	2	0	0	290	0	0	0	0	2	0	0	0	2	0	0	0	2
1000	60	0	0	2	62	0	0	2	0	2	0	2	305	0	0	0	0	2	0	0	315	0	0	0	0	2	0	0	0	2	0	0	0	2
1100	62	0	0	2	80	0	0	2	0	2	0	2	305	1	0	0	0	2	0	0	330	0	0	0	0	2	0	0	0	2	0	0	0	2
1200	80	0	0	2	95	0	0	2	0	2	0	2	323	0	0	0	0	2	0	0	350	0	0	0	0	2	0	0	0	2	0	0	0	2
1300	75	0	0	2	96	0	0	2	0	2	0	2	330	0	0	0	0	2	0	0	355	0	0	0	0	2	0	0	0	2	0	0	0	2
1400	73	0	0	2	95	0	0	2	0	2	0	2	340	0	0	0	0	2	0	0	350	0	0	0	0	2	0	0	0	2	0	0	0	2
1500	80	0	0	2	103	0	0	2	0	2	0	2	338	0	0	0	0	2	0	0	358	0	0	0	0	2	0	0	0	2	0	0	0	2
1600	70	0	67	0	95	0	94	0	0	0	0	0	343	0	31	299	339	0	35	270	356	0	29	326	334	0	27	309	0	0	0	0	0	0
1700	26	0	24	0	42	0	43	0	0	0	0	0	7	3	124	284	10	3	174	270	359	0	78	281	343	0	72	279	0	0	0	0	0	0
1800	25	0	22	0	33	0	34	0	0	0	0	0	301	3	357	223	298	3	359	215	320	0	19	281	299	0	352	275	0	0	0	0	0	0
1900	15	0	13	0	13	0	16	0	0	0	0	0	59	3	134	7	64	3	164	0	40	3	95	341	20	3	62	311	0	0	0	0	0	0
2000	33	0	32	0	23	0	24	0	0	0	0	0	75	0	87	60	78	0	86	74	84	3	94	78	66	3	76	60	0	0	0	0	0	0
2100	48	0	44	0	53	0	54	0	0	0	0	0	105	0	114	98	99	0	129	85	118	0	123	112	103	0	109	98	0	0	0	0	0	0
2200	56	0	52	0	64	0	69	0	0	0	0	0	114	0	123	109	123	0	129	86	112	0	118	108	96	0	102	92	0	0	0	0	0	0
2300	55	0	55	0	90	0	94	0	0	0	0	0	145	0	170	129	146	0	180	122	146	0	148	145	132	0	132	129	0	0	0	0	0	0
2400	55	0	52	0	112	0	115	0	0	0	0	0	152	0	178	121	152	0	186	109	170	0	172	168	154	0	156	151	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEM6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	
	50 A	S	50 B	S	150A	S	150B	S		S		S	150A	S	150B	S		S		S		S		S		S		S		S		S		S
100	717	0	712	0	734	0	728	0	320	0	320	0	13	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	685	0	678	0	708	0	703	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
300	680	0	671	0	680	0	674	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	791	0	788	0	757	0	755	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
700	822	0	818	0	773	0	771	0	320	0	320	0	-48	0	-46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
800	806	0	802	0	777	0	773	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
900	744	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	752	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	757	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	770	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	788	0	0	2	0	2	0	2	0	2	0	2	-33	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	806	0	0	2	0	2	0	2	0	2	0	2	-44	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	797	0	0	2	0	2	0	2	0	2	0	2	-32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	804	0	798	0	762	0	779	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1700	852	0	849	0	809	0	806	0	320	0	320	0	-41	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1800	869	0	863	0	843	0	838	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1900	834	0	827	0	824	0	818	0	320	0	320	0	-10	1	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
2000	761	0	753	0	789	0	786	0	320	0	320	0	30	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
2100	764	0	755	0	800	0	795	0	320	0	320	0	39	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
2200	753	0	746	0	791	0	786	0	320	0	320	0	39	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
2300	739	0	732	0	788	0	782	0	320	0	320	0	49	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
2400	725	0	717	0	795	0	789	0	320	0	320	0	72	0	72	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	69	3	55	0	133	0	102	0	0	0	0	0	149	0	173	126	149	0	175	91	185	0	187	181	167	0	171	166	0	0	0	0	0	0
200	63	0	51	0	123	0	94	0	0	0	0	0	164	0	197	128	166	0	219	90	192	0	198	190	176	0	180	175	0	0	0	0	0	0
300	63	3	59	0	132	3	111	0	3	0	0	0	172	0	197	145	171	0	216	131	201	0	210	195	196	0	192	179	0	0	0	0	0	0
400	58	0	57	0	151	0	131	0	0	0	0	0	172	0	196	139	169	0	214	123	206	0	216	197	192	0	202	184	0	0	0	0	0	0
500	62	3	56	0	145	3	140	0	0	0	0	0	194	3	238	159	193	0	263	138	221	0	232	212	208	0	219	198	0	0	0	0	0	0
600	53	3	46	0	129	0	130	0	0	0	0	0	182	0	210	131	192	0	261	135	227	0	241	216	211	0	221	198	0	0	0	0	0	0
700	53	0	46	0	144	0	121	0	0	0	0	0	191	0	258	140	187	0	261	96	201	0	220	187	196	0	213	169	0	0	0	0	0	0
800	39	3	31	0	94	0	92	0	0	0	0	0	194	0	249	124	194	0	262	124	213	0	232	196	199	0	215	171	0	0	0	0	0	0
900	72	3	72	0	128	0	125	0	0	0	0	0	235	1	278	203	234	0	265	177	236	0	260	179	220	0	241	178	0	0	0	0	0	0
1000	63	0	60	0	94	0	99	0	0	0	0	0	242	0	279	195	238	0	271	190	238	0	275	201	220	0	254	182	0	0	0	0	0	0
1100	89	3	87	0	102	0	109	0	0	0	0	0	251	0	275	213	248	0	276	213	248	0	277	193	231	0	266	195	0	0	0	0	0	0
1200	93	0	90	0	105	0	111	0	0	0	0	0	245	0	275	224	242	0	270	213	254	0	269	246	237	0	253	222	0	0	0	0	0	0
1300	65	0	60	0	94	0	98	0	0	0	0	0	250	0	308	197	246	0	320	185	260	0	280	225	242	0	274	196	0	0	0	0	0	0
1400	75	0	70	0	78	0	79	0	0	0	0	0	264	0	288	236	259	0	276	220	276	0	296	257	257	0	280	227	0	0	0	0	0	0
1500	52	3	44	0	64	0	66	0	0	0	0	0	305	0	346	280	281	0	353	253	309	0	329	293	295	0	299	273	0	0	0	0	0	0
1600	42	0	37	0	56	0	59	0	0	0	0	0	302	0	347	257	284	0	353	224	307	0	329	279	285	0	306	264	0	0	0	0	0	0
1700	44	0	39	0	43	0	56	0	0	0	0	0	280	0	352	204	266	0	353	214	292	0	330	225	273	0	310	237	0	0	0	0	0	0
1800	53	0	53	0	62	0	66	0	0	0	0	0	255	0	283	231	251	0	278	220	271	0	300	259	253	0	280	236	0	0	0	0	0	0
1900	17	0	13	0	23	0	25	0	0	0	0	0	203	0	269	126	198	3	269	119	208	0	247	169	193	0	223	163	0	0	0	0	0	0
2000	69	3	74	0	117	0	124	0	0	0	0	0	242	0	266	201	239	0	265	175	244	0	262	212	227	0	247	197	0	0	0	0	0	0
2100	73	3	69	0	125	0	133	0	0	0	0	0	231	0	259	211	227	0	265	209	234	0	248	213	217	0	233	200	0	0	0	0	0	0
2200	49	0	34	0	86	0	91	0	0	0	0	0	208	0	231	181	205	0	261	130	236	0	243	224	219	0	225	207	0	0	0	0	0	0
2300	51	0	37	0	101	3	99	0	0	0	0	0	196	3	219	167	192	0	230	130	223	0	231	216	209	0	218	201	0	0	0	0	0	0
2400	73	0	66	0	124	0	131	0	0	0	0	0	230	0	258	202	225	0	264	176	237	0	261	219	219	0	239	202	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	712	0	737	0	798	0	793	0	320	0	320	0	86	3	88	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	716	0	710	0	806	0	800	0	320	0	320	0	91	3	91	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	714	0	708	0	804	0	798	0	320	0	320	0	91	3	91	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	708	0	703	0	793	0	788	0	320	0	320	0	86	3	86	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	717	0	712	0	800	0	795	0	320	0	320	0	84	3	84	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	721	0	716	0	793	0	788	0	320	0	320	0	72	0	72	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	723	0	719	0	748	0	743	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	766	3	761	0	761	0	755	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	813	0	809	0	798	0	793	0	320	0	320	0	-14	3	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	833	0	827	0	807	0	804	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	849	0	843	0	836	0	833	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	854	0	849	0	829	0	825	0	320	0	320	0	-23	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	873	0	872	0	851	0	847	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	887	0	891	0	887	0	883	0	320	0	320	0	0	3	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	942	0	937	0	892	0	887	0	320	0	320	0	-43	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	944	0	941	0	885	0	881	0	320	0	320	0	-52	2	-50	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	933	0	928	0	892	0	897	0	321	0	320	0	-39	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	892	0	894	0	892	0	835	0	320	0	320	0	-7	3	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	894	0	887	0	876	0	870	0	320	0	320	0	-16	3	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	829	0	822	0	833	0	825	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	829	0	822	0	951	0	843	0	320	0	320	0	21	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	829	0	822	0	854	0	849	0	320	0	320	0	25	3	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	806	0	798	0	942	0	834	0	320	0	320	0	35	3	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	809	0	802	0	815	0	809	0	320	0	320	0	7	3	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND MIN 50	MAX 3	S	WIND DIR2	WIND MIN 150A	MAX	S	WIND DIR3	WIND MIN 150B	MAX	S	WIND DIR4	WIND MIN	MAX S	WIND DIR5	WIND MIN	MAX S	WIND DIR6
100	55	0	42	0	94	0	99	0	0	0	0	0	215	0	240	193	214	0	261	175	233	0	253	216	217	0	239	202	0	0	0	0	0	0
200	68	0	77	0	141	0	151	0	0	0	0	0	233	0	258	205	230	0	275	190	242	0	255	227	224	0	256	196	0	0	0	0	0	0
300	83	0	74	0	131	0	140	0	0	0	0	0	236	0	269	203	230	0	266	175	244	0	268	220	227	0	244	201	0	0	0	0	0	0
400	82	0	80	0	135	0	144	0	0	0	0	0	239	0	257	215	236	0	264	190	243	0	258	214	226	0	242	202	0	0	0	0	0	0
500	75	0	78	0	126	0	135	0	0	0	0	0	239	0	279	195	236	0	270	180	245	0	258	231	229	0	242	203	0	0	0	0	0	0
600	59	0	53	0	103	0	109	0	0	0	0	0	233	0	251	202	226	0	264	176	239	0	258	218	223	0	242	201	0	0	0	0	0	0
700	60	0	56	0	102	0	110	0	0	0	0	0	232	1	262	195	230	0	264	176	238	0	258	215	221	0	236	197	0	0	0	0	0	0
800	67	0	61	0	96	0	100	0	0	0	0	0	237	0	282	201	233	0	266	181	244	0	271	196	228	0	254	180	0	0	0	0	0	0
900	61	0	56	0	76	0	79	0	0	0	0	0	243	1	276	199	239	0	275	185	237	0	279	197	221	0	264	182	0	0	0	0	0	1
1000	80	0	79	0	76	0	82	0	0	0	0	0	250	0	277	222	246	0	271	217	247	0	275	223	230	0	249	205	0	0	0	0	0	0
1100	56	0	53	0	62	0	67	0	0	0	0	0	247	1	279	220	243	0	275	209	259	0	292	231	241	0	298	201	0	0	0	0	0	0
1200	52	0	49	0	54	0	58	0	0	0	0	0	261	0	333	222	253	0	322	209	277	0	314	234	259	0	302	224	0	0	0	0	0	0
1300	39	0	33	0	45	0	48	0	0	0	0	0	296	1	355	260	295	0	350	254	307	0	326	277	285	0	301	271	0	0	0	0	0	0
1400	40	0	34	0	49	0	52	0	0	0	0	0	308	1	351	233	295	0	359	180	325	0	37	279	306	0	347	274	0	0	0	0	0	0
1500	41	0	37	0	51	0	52	0	0	0	0	0	335	0	37	282	321	0	359	230	339	0	10	305	317	0	337	290	0	0	0	0	0	0
1600	35	0	30	0	40	0	38	0	0	0	0	0	330	0	52	273	313	3	355	254	337	0	359	293	313	0	344	266	0	0	0	0	0	0
1700	25	0	21	0	27	0	31	0	0	0	0	0	332	3	57	276	314	3	359	254	328	0	16	296	306	0	354	269	0	0	0	0	0	0
1800	32	0	29	0	28	0	30	0	0	0	0	0	242	0	282	214	235	3	275	209	269	0	310	235	251	0	292	211	0	0	0	0	0	0
1900	32	0	28	0	58	0	62	0	0	0	0	0	231	0	271	195	227	3	264	175	237	0	254	209	220	0	236	205	0	0	0	0	0	0
2000	61	0	54	0	102	0	108	0	0	0	0	0	231	0	260	189	228	0	264	164	242	0	257	223	224	0	247	203	0	0	0	0	0	0
2100	77	0	70	0	123	0	131	0	0	0	0	0	234	0	255	211	231	0	265	176	242	0	265	214	224	0	235	201	0	0	0	0	0	0
2200	64	0	56	0	97	0	103	0	0	0	0	0	232	0	265	196	230	0	264	175	244	0	258	224	227	0	236	212	0	0	0	0	0	0
2300	69	0	68	0	111	0	118	0	0	0	0	0	234	0	259	211	229	0	264	181	247	0	259	211	230	0	243	209	0	0	0	0	0	0
2400	67	0	64	0	112	0	119	0	0	0	0	0	234	0	271	183	231	0	271	180	240	0	270	221	223	0	241	202	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	793	0	788	0	804	0	798	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	786	0	779	0	789	0	784	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	771	0	766	0	771	0	766	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	763	0	762	0	771	0	766	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	765	0	761	0	770	0	764	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	766	0	762	0	770	0	764	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	766	0	762	0	768	0	762	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	793	0	788	0	789	0	777	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	809	0	806	0	795	0	789	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	825	0	820	0	818	0	815	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
1100	853	0	854	0	851	0	847	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	863	0	860	0	860	0	858	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	914	0	912	0	873	0	876	0	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	903	0	899	0	854	0	852	0	320	0	320	0	-46	0	-46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	912	0	908	0	867	0	863	0	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	903	0	897	0	872	0	869	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	893	0	897	0	867	0	863	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	869	0	863	0	858	0	851	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	845	0	840	0	842	0	834	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	836	0	829	0	843	0	838	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	825	0	818	0	827	0	820	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	811	0	806	0	814	0	811	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	807	0	800	0	813	0	807	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	804	0	798	0	807	0	802	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	77	0	72	0	127	0	136	0	0	0	0	0	331	0	262	174	227	0	266	176	242	0	261	220	224	0	237	195	0	0	0	0	0	0	0	0
200	97	0	96	0	148	0	156	0	0	0	0	0	242	0	265	212	239	0	266	210	251	0	264	228	233	0	247	204	0	0	0	0	0	0	0	0
300	81	0	83	0	129	0	137	0	0	0	0	0	244	0	275	221	239	0	266	211	255	0	262	231	238	0	247	221	0	0	0	0	0	0	0	0
400	70	0	70	0	111	0	118	0	0	0	0	0	245	0	266	222	241	0	271	214	252	0	265	231	236	0	244	226	0	0	0	0	0	0	0	0
500	77	0	78	0	113	0	119	0	0	0	0	0	247	0	263	219	244	0	265	221	255	0	263	244	238	0	245	229	0	0	0	0	0	0	0	0
600	83	0	82	0	124	0	131	0	0	0	0	0	248	0	270	230	246	0	272	216	255	0	269	245	238	0	247	225	0	0	0	0	0	0	0	0
700	91	0	92	0	127	0	134	0	0	0	0	0	245	0	266	222	241	0	271	216	252	0	266	230	235	0	247	221	0	0	0	0	0	0	0	0
800	83	0	84	0	111	0	118	0	0	0	0	0	247	0	266	223	246	0	272	210	254	0	266	231	237	0	250	207	0	0	0	0	0	0	0	0
900	83	0	89	0	107	0	114	0	0	0	0	0	245	0	275	222	240	0	266	214	253	0	262	242	236	0	247	225	0	0	0	0	0	0	0	0
1000	80	0	78	0	95	0	102	0	0	0	0	0	246	0	277	209	243	0	274	208	246	0	275	216	230	0	257	206	0	0	0	0	0	0	0	0
1100	71	0	71	0	78	0	86	0	0	0	0	0	252	0	275	219	251	0	276	214	250	0	288	221	232	0	250	209	0	0	0	0	0	0	0	0
1200	83	0	83	0	94	0	100	0	0	0	0	0	245	0	271	224	242	0	271	180	260	0	306	224	243	0	269	210	0	0	0	0	0	0	0	0
1300	73	0	72	0	87	0	92	0	0	0	0	0	246	0	289	198	243	0	276	210	259	0	286	227	242	0	263	218	0	0	0	0	0	0	0	0
1400	72	0	70	0	63	0	73	0	0	0	0	0	269	0	304	246	264	0	316	216	273	0	300	229	255	0	294	211	0	0	0	0	0	0	0	0
1500	46	0	47	0	60	0	63	0	0	0	0	0	285	0	348	229	272	0	355	223	295	0	326	259	274	0	333	231	0	0	0	0	0	0	0	0
1600	50	0	45	0	60	0	64	0	0	0	0	0	301	0	335	273	288	0	355	257	297	0	311	266	275	0	287	245	0	0	0	0	0	0	0	0
1700	35	0	34	0	46	0	49	0	0	0	0	0	276	0	358	233	269	0	350	221	281	0	323	244	259	0	297	219	0	0	0	0	0	0	0	0
1800	49	0	49	0	65	0	69	0	0	0	0	0	252	0	285	215	247	0	276	214	260	0	310	230	240	0	280	208	0	0	0	0	0	0	0	0
1900	42	0	48	0	67	0	72	0	0	0	0	0	241	0	274	210	241	0	306	214	238	0	260	214	220	0	293	193	0	0	0	0	0	0	0	0
2000	52	0	50	0	89	0	94	0	0	0	0	0	232	0	259	206	231	0	265	210	242	0	258	237	224	0	232	216	0	0	0	0	0	0	0	0
2100	59	0	57	0	69	0	95	0	0	0	0	0	239	0	265	213	231	0	265	213	251	0	264	244	235	0	246	220	0	0	0	0	0	0	0	0
2200	75	0	75	0	109	0	117	0	0	0	0	0	243	0	269	221	239	0	266	210	256	0	279	233	239	0	260	222	0	0	0	0	0	0	0	0
2300	85	0	83	0	133	0	141	0	0	0	0	0	240	0	277	205	237	0	273	182	250	0	267	221	234	0	250	211	0	0	0	0	0	0	0	0
2400	67	0	66	0	115	0	123	0	0	0	0	0	236	0	259	206	236	0	270	210	242	0	261	224	225	0	249	208	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	797	0	791	0	806	0	798	0	320	0	320	0	9	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	786	0	779	0	789	0	794	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	770	0	762	0	771	0	766	0	320	0	320	0	3	0	3	0	0.0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	764	0	759	0	766	0	761	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	757	0	752	0	759	0	753	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	753	0	748	0	752	0	748	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	757	0	752	0	752	0	746	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	764	0	759	0	753	0	748	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	770	0	764	0	757	0	753	0	320	0	320	0	-12	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	784	0	782	0	773	0	770	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	793	0	793	0	795	0	789	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	797	0	791	0	795	0	791	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	818	0	813	0	809	0	807	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	851	0	847	0	835	0	834	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	872	0	869	0	827	0	825	0	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	893	0	887	0	842	0	838	0	320	0	320	0	-46	0	-48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	872	0	869	0	838	0	834	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	865	0	860	0	842	0	845	0	320	0	320	0	-15	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	847	0	842	0	836	0	831	0	320	0	320	0	-13	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	834	0	827	0	843	0	838	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	829	0	822	0	836	0	829	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	811	0	806	0	811	0	807	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	795	0	788	0	797	0	791	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	786	0	779	0	784	0	782	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	80	0	78	0	136	0	144	0	0	0	0	0	241	0	269	203	239	0	271	180	243	0	261	224	227	0	244	206	0	0	0	0	0	0
200	83	0	88	0	142	0	152	0	0	0	0	0	243	0	270	219	241	0	265	210	247	0	266	224	231	0	259	214	0	0	0	0	0	0
300	96	0	98	0	157	0	166	0	0	0	0	0	245	0	267	220	246	0	355	210	251	0	266	221	234	0	254	212	0	0	0	0	0	0
400	89	0	80	0	139	0	147	0	0	0	0	0	242	0	271	209	239	0	276	210	249	0	266	232	231	0	247	204	0	0	0	0	0	0
500	99	0	98	0	152	0	165	0	0	0	0	0	245	0	273	216	244	0	271	210	252	0	262	227	234	0	249	213	0	0	0	0	0	0
600	100	0	97	0	154	0	162	0	0	0	0	0	248	0	269	218	246	0	276	210	257	0	271	237	241	0	259	222	0	0	0	0	0	0
700	102	0	99	0	159	0	165	0	0	0	0	0	251	0	273	218	249	0	276	216	261	0	287	240	244	0	261	229	0	0	0	0	0	0
800	114	0	113	0	156	0	165	0	0	0	0	0	249	0	278	222	247	0	276	219	260	0	290	247	242	0	266	226	0	0	0	0	0	0
900	111	0	115	0	157	0	164	0	0	0	0	0	264	0	284	214	258	0	276	220	268	0	281	209	251	0	267	217	0	0	0	0	0	0
1000	122	0	124	0	153	0	160	0	0	0	0	0	266	0	287	243	251	0	276	227	271	0	287	248	255	0	274	250	0	0	0	0	0	0
1100	91	0	91	0	110	0	113	0	0	0	0	0	262	0	295	241	256	0	276	221	281	0	312	241	262	0	291	225	0	0	0	0	0	0
1200	87	0	87	0	90	0	95	0	0	0	0	0	262	0	277	237	258	0	276	221	274	0	300	247	258	0	285	240	0	0	0	0	0	0
1300	56	0	53	0	72	0	75	0	0	0	0	0	291	0	324	259	274	0	354	227	302	0	314	271	280	0	291	257	0	0	0	0	0	0
1400	48	0	49	0	59	0	60	0	0	0	0	0	315	0	354	256	311	0	356	216	336	0	12	300	314	0	343	276	0	0	0	0	0	0
1500	40	0	40	0	69	0	68	0	0	0	0	0	327	0	22	274	312	0	357	259	344	0	40	275	321	0	358	267	0	0	0	0	0	0
1600	50	0	46	0	73	0	71	0	0	0	0	0	337	0	46	272	337	0	131	270	3	0	40	314	345	0	115	290	0	0	0	0	0	0
1700	60	0	59	0	84	0	80	0	0	0	0	0	22	0	102	325	18	0	96	320	17	0	46	316	359	0	121	318	0	0	0	0	0	0
1800	55	0	55	0	80	0	78	0	0	0	0	0	32	0	75	319	28	0	124	311	23	0	50	351	2	0	113	323	0	0	0	0	0	0
1900	45	0	47	0	68	0	68	0	0	0	0	0	41	0	83	359	42	0	91	317	33	0	63	356	16	0	77	346	0	0	0	0	0	0
2000	46	0	53	0	75	0	86	0	0	0	0	0	58	0	85	31	65	0	85	356	56	0	71	42	38	0	50	26	0	0	0	0	0	0
2100	37	0	37	0	40	0	42	0	0	0	0	0	299	0	334	262	286	0	355	259	313	0	344	293	291	0	320	269	0	0	0	0	0	0
2200	67	0	66	0	81	0	83	0	0	0	0	0	258	0	283	238	254	0	276	221	267	0	281	259	248	0	260	233	0	0	0	0	0	0
2300	65	0	65	0	95	0	101	0	0	0	0	0	249	0	267	236	249	0	265	221	261	0	271	251	243	0	253	235	0	0	0	0	0	0
2400	49	0	50	0	65	0	69	0	0	0	0	0	245	0	265	227	242	0	265	214	272	0	282	259	254	0	266	238	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 140A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	784	0	779	0	786	0	730	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	771	0	766	0	773	0	766	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	775	0	770	0	775	0	771	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	770	0	764	0	770	0	764	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	768	0	762	0	765	0	762	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	762	0	759	0	759	0	753	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	764	0	759	0	755	0	750	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	770	0	762	0	757	0	752	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	770	0	762	0	757	0	752	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	777	0	771	0	764	0	761	0	320	0	320	0	-12	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	782	0	777	0	770	0	764	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	784	0	779	0	782	0	779	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	806	0	800	0	792	0	777	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	820	0	815	0	799	0	788	0	320	0	320	0	-30	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	807	0	802	0	784	0	780	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	819	0	815	0	793	0	789	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	831	0	829	0	807	0	804	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	827	0	822	0	807	0	802	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	813	0	809	0	798	0	795	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	770	0	762	0	773	0	766	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	748	0	741	0	746	0	741	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	750	0	744	0	746	0	741	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	755	0	748	0	761	0	755	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	755	0	748	0	759	0	753	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
														50	S					150B	S		150A	S			S	
100	46	1	43	0	59	0	58	0	0	0	0	0	229	0	251	210	226	0	264	186	252	0	276	232	235	0	257	216	0	0
200	54	0	55	0	57	0	61	0	0	0	0	0	245	0	260	227	243	0	271	210	274	0	290	258	256	0	270	242	0	0
300	61	0	62	0	80	0	85	0	0	0	0	0	259	0	269	244	256	0	266	221	270	0	278	259	253	0	261	247	0	0
400	60	0	61	0	89	0	93	0	0	0	0	0	245	0	264	229	243	0	272	216	260	0	270	255	243	0	250	237	0	0
500	57	0	56	0	69	0	74	0	0	0	0	0	241	0	266	219	237	0	265	213	262	0	310	232	243	0	276	216	0	0
600	26	0	26	0	40	0	41	0	0	0	0	0	349	5	58	301	351	3	85	271	347	0	22	323	325	0	358	298	0	0
700	71	0	77	0	93	0	114	0	0	0	0	0	53	0	87	28	105	0	175	5	59	0	82	34	38	0	68	6	0	0
800	38	0	43	0	53	0	60	0	0	0	0	0	67	0	89	34	93	0	175	3	64	0	106	36	44	0	69	4	0	0
900	32	0	34	0	40	0	41	0	0	0	0	0	92	0	166	24	94	0	132	75	99	0	149	65	81	0	121	53	0	0
1000	35	0	36	0	49	0	52	0	0	0	0	0	120	0	176	22	117	0	175	0	134	0	203	107	120	0	176	86	0	0
1100	53	0	57	0	75	0	73	0	0	0	0	0	328	0	354	259	323	0	356	227	339	0	6	299	319	0	19	271	0	0
1200	43	0	40	0	40	0	42	0	0	0	0	0	275	0	330	216	266	0	351	214	253	0	315	184	240	0	332	185	0	0
1300	64	0	63	0	63	0	65	0	0	0	0	0	262	0	288	222	256	0	276	220	261	0	299	223	243	0	263	213	0	0
1400	69	0	65	0	92	0	97	0	0	0	0	0	294	0	337	235	282	0	355	255	299	0	325	268	277	0	308	242	0	0
1500	66	0	61	0	103	0	103	0	0	0	0	0	333	1	50	279	343	0	77	270	341	0	27	306	319	0	351	286	0	0
1600	43	0	46	0	63	0	70	0	0	0	0	0	310	0	353	259	302	0	358	225	325	0	0	282	302	0	347	268	0	0
1700	67	0	65	0	80	0	79	0	0	0	0	0	25	0	83	331	10	0	165	345	22	0	69	349	359	0	46	323	0	0
1800	51	0	50	0	57	0	57	0	0	0	0	0	27	0	78	347	7	0	86	345	30	0	64	6	11	0	43	336	0	0
1900	38	0	41	0	51	0	55	0	0	0	0	0	52	0	83	11	48	0	96	345	48	0	74	6	29	0	61	354	0	0
2000	16	0	17	0	30	0	30	0	0	0	0	0	41	3	115	3	27	3	141	345	29	3	45	12	9	3	26	358	0	0
2100	13	0	13	0	22	0	24	0	0	0	0	0	201	0	269	101	199	3	266	90	127	0	172	92	111	3	155	74	0	0
2200	23	0	24	0	13	0	15	0	0	0	0	0	260	0	299	184	253	0	276	186	176	0	267	107	200	3	267	93	0	0
2300	30	0	29	0	38	0	41	0	0	0	0	0	262	0	353	216	260	3	355	210	272	0	326	248	254	0	302	229	0	0
2400	18	0	18	0	32	0	33	0	0	0	0	0	18	3	97	321	11	3	85	271	359	0	33	341	338	0	25	315	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 130A	S	AMB. TEM4 130B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	744	0	737	0	748	0	743	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	743	0	743	0	752	0	746	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	746	0	739	0	748	0	743	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	743	0	743	0	750	0	744	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	746	0	741	0	748	0	743	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	741	0	735	0	745	0	741	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	730	0	725	0	732	0	726	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	744	0	741	0	726	0	723	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	775	0	771	0	753	0	750	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	801	0	797	0	773	0	770	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	797	0	793	0	771	0	770	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	818	0	815	0	798	0	797	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	827	0	824	0	818	0	816	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	845	1	842	0	802	0	798	0	320	0	320	0	-43	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	829	0	824	0	788	0	782	0	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	847	0	843	0	805	0	802	0	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	907	0	804	0	791	0	788	0	320	0	320	0	-15	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	782	0	777	0	771	0	764	0	320	0	320	0	-13	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	775	0	770	0	766	0	761	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	759	0	750	0	762	0	757	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2100	759	0	752	0	765	0	761	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2200	744	2	737	0	752	0	753	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2300	764	0	759	0	766	0	761	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2400	732	0	732	0	744	0	739	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	28	0	28	0	35	0	35	0	0	0	0	0	17	3	49	354	2	3	85	345	9	0	19	2	349	0	358	341	0	0	0	0	0	0	0	0
200	15	0	16	0	31	0	31	0	0	0	0	0	61	3	110	12	66	3	172	0	21	0	40	6	1	0	19	346	0	0	0	0	0	0	0	0
300	19	0	19	0	13	0	20	0	0	0	0	0	29	3	65	337	17	3	85	345	341	3	42	313	321	3	21	291	0	0	0	0	0	0	0	0
400	22	0	22	0	34	0	35	0	0	0	0	0	324	1	33	279	339	3	82	270	333	0	349	315	312	0	325	292	0	0	0	0	0	0	0	0
500	31	0	31	0	38	0	40	0	0	0	0	0	319	0	345	297	338	0	85	271	325	0	339	310	302	0	316	287	0	0	0	0	0	0	0	0
600	24	0	24	0	37	0	40	0	0	0	0	0	297	0	343	256	296	3	355	255	293	0	311	269	272	0	305	235	0	0	0	0	0	0	0	0
700	39	0	37	0	55	0	59	0	0	0	0	0	297	0	347	237	298	0	355	210	307	0	352	255	285	0	337	239	0	0	0	0	0	0	0	0
800	40	0	38	0	57	0	62	0	0	0	0	0	304	0	337	240	286	0	355	240	302	0	323	290	280	0	305	264	0	0	0	0	0	0	0	0
900	36	0	38	0	50	0	52	0	0	0	0	0	307	0	349	265	293	0	355	231	310	0	343	280	289	0	309	264	0	0	0	0	0	0	0	0
1000	43	0	42	0	54	0	56	0	0	0	0	0	295	0	338	220	285	0	355	223	315	0	338	270	291	0	315	259	0	0	0	0	0	0	0	0
1100	47	0	47	0	61	0	61	0	0	0	0	0	341	1	47	270	345	0	85	271	349	0	10	292	329	0	354	230	0	0	0	0	0	0	0	0
1200	46	0	47	0	58	0	60	0	0	0	0	0	294	1	337	232	292	0	355	211	308	0	336	251	285	0	310	244	0	0	0	0	0	0	0	0
1300	74	0	73	0	76	0	78	0	0	0	0	0	257	1	280	225	252	0	276	186	277	0	315	255	258	0	304	231	0	0	0	0	0	0	0	0
1400	67	0	64	0	80	0	83	0	0	0	0	0	293	0	324	251	272	0	355	222	302	0	317	292	281	0	303	273	0	0	0	0	0	0	0	0
1500	66	0	66	0	84	0	84	0	0	0	0	0	304	1	340	261	291	0	356	248	320	0	352	297	297	0	325	272	0	0	0	0	0	0	0	0
1600	51	0	52	0	68	0	71	0	0	0	0	0	311	1	354	235	311	0	356	222	331	0	354	292	310	0	343	266	0	0	0	0	0	0	0	0
1700	65	0	62	0	76	0	77	0	0	0	0	0	334	0	16	290	338	0	6	271	352	0	32	308	330	0	23	306	0	0	0	0	0	0	0	0
1800	23	0	23	0	25	1	27	0	0	0	0	0	334	3	71	272	335	3	96	270	342	3	23	275	325	3	22	274	0	0	0	0	0	0	0	0
1900	28	0	28	0	26	0	29	0	0	0	0	0	43	3	83	20	37	3	92	356	46	3	78	14	28	3	71	358	0	0	0	0	0	0	0	0
2000	29	0	27	0	40	0	41	0	0	0	0	0	102	0	116	90	97	3	130	85	104	0	110	98	88	0	95	81	0	0	0	0	0	0	0	0
2100	32	0	32	0	44	0	40	0	0	0	0	0	155	0	207	120	155	0	186	120	163	0	211	135	147	0	169	121	0	0	0	0	0	0	0	0
2200	46	0	44	0	63	0	46	0	0	0	0	0	181	0	205	161	179	0	220	134	190	0	201	184	176	0	233	170	0	0	0	0	0	0	0	0
2300	163	0	153	0	239	0	240	0	0	0	0	0	283	0	358	223	292	0	357	219	280	0	358	231	264	0	350	215	0	0	0	0	0	0	0	0
2400	120	0	117	0	172	0	173	0	0	0	0	0	43	0	78	9	145	0	175	86	36	0	63	8	17	0	58	346	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	739	0	734	0	750	0	744	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
200	735	0	728	0	744	0	739	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
300	734	0	726	0	735	0	730	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
400	723	0	716	0	725	0	719	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
500	723	0	716	0	726	0	721	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
600	725	0	717	0	735	0	728	0	320	0	320	0	13	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
700	762	0	759	0	753	0	750	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
800	773	0	768	0	755	0	752	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
900	793	0	789	0	773	0	770	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1000	802	0	798	0	789	0	786	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1100	811	0	807	0	789	0	786	0	320	0	320	0	-21	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1200	818	0	815	0	789	0	786	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1300	811	0	807	0	806	0	802	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1400	843	0	838	0	795	0	791	0	320	0	320	0	-46	0	-46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1500	852	0	847	0	798	0	795	0	320	0	320	0	-54	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1600	845	0	842	0	800	0	797	0	320	0	320	0	-45	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1700	824	0	818	0	793	0	788	0	320	0	320	0	-33	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1800	858	0	852	0	831	0	829	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1900	845	0	836	0	827	0	822	0	320	0	320	0	-14	1	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2000	779	0	771	0	809	0	804	0	320	0	320	0	33	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2100	795	0	788	0	813	0	807	0	320	0	320	0	18	1	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2200	789	0	784	0	813	0	809	0	320	0	320	0	25	1	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2300	784	0	779	0	798	0	791	0	320	0	320	0	14	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
2400	689	0	681	0	683	0	678	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	113	0	117	0	152	0	172	0	0	0	0	0	111	3	147	79	109	0	175	86	119	0	161	78	104	0	132	58	0	0	0	0	0	0	0	0
200	74	0	73	0	162	0	171	0	0	0	0	0	146	0	173	115	151	0	177	96	166	0	173	153	151	0	158	137	0	0	0	0	0	0	0	0
300	60	0	56	0	152	0	122	0	0	0	0	0	142	0	187	111	162	0	175	96	183	0	190	171	169	0	176	153	0	0	0	0	0	0	0	0
400	63	0	63	0	83	0	85	0	0	0	0	0	261	0	275	248	92	0	109	86	266	0	282	248	249	0	264	222	0	0	0	0	0	0	0	0
500	61	0	59	0	102	0	105	0	0	0	0	0	235	0	302	186	225	0	265	90	233	0	289	184	223	0	260	180	0	0	0	0	0	0	0	0
600	86	0	84	0	133	0	141	0	0	0	0	0	250	0	282	213	186	0	265	90	255	0	270	232	238	0	262	181	0	0	0	0	0	0	0	0
700	71	0	69	0	102	0	104	0	0	0	0	0	232	0	292	201	235	0	265	91	240	0	258	208	222	0	247	190	0	0	0	0	0	0	0	0
800	59	0	59	0	88	0	93	0	0	0	0	0	243	0	273	189	251	0	276	210	254	0	280	209	238	0	257	193	0	0	0	0	0	0	0	0
900	75	0	74	0	102	0	103	0	0	0	0	0	233	0	27	200	236	0	267	98	236	0	259	204	219	0	250	194	0	0	0	0	0	0	0	0
1000	14	0	16	0	16	0	20	0	0	0	0	0	36	3	132	294	61	3	171	0	17	3	167	279	2	3	144	279	0	0	0	0	0	0	0	0
1100	51	0	50	0	61	0	58	0	0	0	0	0	236	0	284	181	238	0	345	180	235	0	283	185	220	0	259	150	0	0	0	0	0	0	0	0
1200	92	0	84	0	121	0	121	0	0	0	0	0	241	0	312	199	236	0	276	180	232	0	291	183	215	0	263	168	0	0	0	0	0	0	0	0
1300	94	0	91	0	122	0	127	0	0	0	0	0	250	0	281	201	297	0	345	180	244	0	289	208	226	0	259	190	0	0	0	0	0	0	0	0
1400	63	0	61	0	85	0	90	0	0	0	0	0	249	0	294	205	245	0	276	185	263	0	304	215	245	0	271	209	0	0	0	0	0	0	0	0
1500	45	0	43	0	59	0	51	0	0	0	0	0	303	0	27	271	278	0	355	231	320	0	351	270	299	0	341	240	0	0	0	0	0	0	0	0
1600	47	0	48	0	63	0	63	0	0	0	0	0	353	0	88	299	344	0	90	270	6	0	42	304	347	0	32	308	0	0	0	0	0	0	0	0
1700	60	0	59	0	73	0	75	0	0	0	0	0	35	0	82	343	20	0	109	351	23	0	47	350	3	0	27	330	0	0	0	0	0	0	0	0
1800	90	0	91	0	108	0	104	0	0	0	0	0	36	0	82	11	19	0	91	355	34	0	66	13	15	0	52	347	0	0	0	0	0	0	0	0
1900	63	0	65	0	97	0	94	0	1	0	0	0	29	0	61	355	14	0	85	345	30	0	54	11	10	0	39	336	0	0	0	0	0	0	0	0
2000	24	0	23	0	37	0	38	0	0	0	0	0	352	3	40	280	350	3	81	270	2	0	34	335	344	0	115	309	0	0	0	0	0	0	0	0
2100	64	0	61	0	91	0	99	0	0	0	0	0	93	0	110	74	90	0	122	75	79	0	86	70	60	0	68	53	0	0	0	0	0	0	0	0
2200	59	0	58	0	86	0	96	0	0	0	0	0	125	0	149	102	119	0	141	86	105	0	124	86	90	0	107	68	0	0	0	0	0	0	0	0
2300	69	0	68	0	84	0	89	0	0	0	0	0	257	0	278	242	256	0	276	221	264	0	274	257	247	0	258	240	0	0	0	0	0	0	0	0
2400	45	0	43	0	55	0	58	0	0	0	0	0	331	0	349	296	343	0	355	266	318	0	325	304	297	0	303	282	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 130A	S	AMB. TEM4 130B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	683	0	679	0	687	0	631	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	28	0
200	681	0	676	0	716	0	701	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	28	0
300	681	0	674	0	768	0	755	0	320	0	320	0	81	0	81	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	28	0
400	716	0	708	0	744	0	735	0	320	0	320	0	27	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	28	0
500	737	0	732	0	737	0	732	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	28	0
600	732	0	725	0	739	0	732	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
700	732	0	726	0	732	0	721	0	320	0	320	0	-5	0	-5	0	0.	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
800	752	0	746	0	746	0	737	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
900	761	0	757	0	753	0	743	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1000	815	0	811	0	807	0	797	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	6
1100	836	0	831	0	816	0	809	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1200	845	0	840	0	822	0	816	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1300	867	0	861	0	836	0	831	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1400	862	0	863	0	842	0	838	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1500	892	0	888	0	881	0	878	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1600	876	0	870	0	863	0	858	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1700	856	0	852	0	843	0	836	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1800	827	0	822	0	820	0	813	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1900	795	0	788	0	787	0	780	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2000	770	0	762	0	773	0	769	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2100	746	0	739	0	768	0	762	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2200	748	0	741	0	764	0	761	0	320	0	320	0	18	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2300	750	0	743	0	752	0	748	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2400	744	0	741	0	759	0	753	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	34	0	31	0	49	0	49	0	0	0	0	0	10	0	29	341	358	0	6	345	351	0	0	343	329	0	341	321	0	0	0	0	0	0
200	23	0	22	0	25	0	27	0	0	0	0	0	331	0	338	322	352	3	6	345	325	0	331	313	303	0	308	292	0	0	0	0	0	0
300	0	4	0	4	5	0	13	0	0	0	0	0	4	3	114	276	22	3	175	271	275	0	319	209	260	0	309	198	0	0	0	0	0	0
400	57	0	56	0	43	0	33	0	0	0	0	0	166	0	182	145	166	0	196	90	189	0	202	171	176	0	230	160	0	0	0	0	0	0
500	61	0	61	0	63	0	51	0	0	0	0	0	167	0	198	149	170	0	219	135	197	0	207	187	185	0	236	172	0	0	0	0	0	0
600	55	0	48	0	79	0	72	0	0	0	0	0	188	0	213	166	185	0	255	131	220	0	229	212	207	0	215	198	0	0	0	0	0	0
700	64	0	55	0	116	0	123	0	0	0	0	0	222	0	244	190	221	0	264	175	238	0	249	213	221	0	237	204	0	0	0	0	0	0
800	89	0	86	0	133	0	145	0	0	0	0	0	235	0	275	199	233	0	270	182	239	0	256	216	221	0	240	198	0	0	0	0	0	0
900	105	0	99	0	159	0	166	0	0	0	0	0	240	0	273	200	236	0	266	164	242	0	269	209	225	0	257	193	0	0	0	0	0	0
1000	101	0	97	0	161	0	172	0	0	0	0	0	242	0	290	202	240	0	276	190	246	0	271	217	230	0	249	209	0	0	0	0	0	0
1100	105	0	105	0	148	0	157	0	0	0	0	0	245	0	276	203	241	0	276	211	251	0	270	229	234	0	258	212	0	0	0	0	0	0
1200	111	0	111	0	148	0	157	0	0	0	0	0	248	0	271	222	247	0	276	219	254	0	269	224	238	0	257	209	0	0	0	0	0	0
1300	133	0	127	0	202	0	213	0	0	0	0	0	245	0	266	220	242	0	275	211	255	0	269	215	238	0	250	190	0	0	0	0	0	0
1400	132	0	127	0	174	0	188	0	0	0	0	0	245	0	279	213	242	0	276	195	251	0	268	226	233	0	248	205	0	0	0	0	0	0
1500	120	0	117	0	178	0	187	0	0	0	0	0	250	0	269	223	242	0	272	210	262	0	275	250	245	0	254	233	0	0	0	0	0	0
1600	103	0	96	0	160	0	168	0	0	0	0	0	249	0	275	222	247	0	349	214	264	0	280	249	248	0	265	221	0	0	0	0	0	0
1700	113	0	109	0	200	0	212	0	0	0	0	0	250	0	287	233	248	0	276	214	268	0	286	244	251	0	258	234	0	0	0	0	0	0
1800	142	0	138	0	212	0	222	0	0	0	0	0	247	0	271	226	245	0	276	216	261	0	276	252	245	0	254	233	0	0	0	0	0	0
1900	89	0	88	0	160	0	170	0	0	0	0	0	252	0	282	233	246	0	275	210	270	0	282	249	253	0	265	236	0	0	0	0	0	0
2000	128	0	122	0	211	0	222	0	0	0	0	0	264	0	291	237	260	0	276	210	284	0	308	265	266	0	286	243	0	0	0	0	0	0
2100	192	0	203	0	260	0	271	0	0	0	0	0	50	0	73	29	76	0	176	1	48	0	74	18	32	0	63	1	0	0	0	0	0	0
2200	92	0	91	0	134	0	142	0	0	0	0	0	87	0	116	39	88	0	159	3	80	0	108	54	64	0	96	39	0	0	0	0	0	0
2300	71	0	73	0	134	0	138	0	0	0	0	0	129	0	166	108	124	0	175	86	147	0	160	134	133	0	144	121	0	0	0	0	0	0
2400	79	0	79	0	125	0	130	0	0	0	0	0	123	0	147	103	111	0	175	86	140	0	151	123	125	0	137	112	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 130A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	743	0	737	0	753	0	748	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
200	741	0	734	0	752	0	746	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
300	732	0	725	0	746	0	741	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
400	719	0	714	0	762	0	755	0	320	0	320	0	41	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
500	721	0	716	0	769	0	762	0	320	0	320	0	46	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
600	728	0	723	0	777	0	771	0	320	0	320	0	48	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
700	759	0	753	0	782	0	777	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
800	786	0	780	0	775	0	768	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
900	800	0	795	0	794	0	779	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1000	806	0	800	0	793	0	798	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1100	815	0	809	0	802	0	795	0	320	0	320	0	-15	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1200	825	0	820	0	813	0	807	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1300	849	0	843	0	851	0	847	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1400	883	0	878	0	867	0	861	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1500	883	0	831	0	885	0	879	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1600	883	0	879	0	881	0	876	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1700	869	0	861	0	890	0	883	0	320	0	320	0	23	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1800	869	0	863	0	879	0	874	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1900	840	0	834	0	856	0	849	0	320	0	320	0	16	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2000	927	0	820	0	963	0	858	0	320	0	320	0	36	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2100	753	0	746	0	743	0	737	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2200	725	0	716	0	726	0	719	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	6
2300	719	0	714	0	725	0	721	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2400	717	0	714	0	719	0	714	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A S			WIND DIR4 150B S			WIND DIR5 S			WIND DIR6 S		
100	93	0	96	0	144	0	151	0	0	0	0	0	125	0	137	111	115	0	176	86	140	0	151	127	126	0	143	117	0	0	0	0	0	0
200	68	0	72	0	156	0	161	0	0	0	0	0	129	0	173	94	121	0	176	96	156	0	164	146	144	0	154	135	0	0	0	0	0	0
300	66	0	62	0	142	0	143	0	0	0	0	0	137	0	184	104	139	0	175	86	169	0	187	150	156	0	174	140	0	0	0	0	0	0
400	62	0	63	0	151	0	145	0	0	0	0	0	141	0	211	97	145	0	181	90	172	0	185	159	158	0	187	136	0	0	0	0	0	0
500	78	0	88	0	138	0	139	0	0	0	0	0	125	0	139	115	116	0	176	86	149	0	164	137	139	0	146	125	0	0	0	0	0	0
600	112	0	103	0	154	0	155	0	0	0	0	0	111	0	128	91	95	0	171	86	114	0	130	97	102	0	122	90	0	0	0	0	0	0
700	122	0	118	0	157	0	163	0	0	0	0	0	118	0	138	103	110	0	176	86	125	0	144	112	113	0	136	92	0	0	0	0	0	0
800	105	0	109	0	154	0	161	0	0	0	0	0	126	0	157	103	117	0	175	81	142	0	169	119	130	0	151	109	0	0	0	0	0	0
900	83	0	88	0	154	0	161	0	0	0	0	0	133	0	166	16	132	0	176	86	153	0	182	130	142	0	160	123	0	0	0	0	0	0
1000	45	0	44	0	90	0	86	0	0	0	0	0	151	0	266	93	153	0	231	90	167	0	202	126	156	0	194	115	0	0	0	0	0	0
1100	70	0	67	0	106	0	109	0	0	0	0	0	140	0	207	102	128	0	178	75	152	0	184	122	141	0	170	115	0	0	0	0	0	0
1200	59	0	55	0	93	0	88	0	0	0	0	0	168	0	260	102	167	0	260	90	173	0	216	146	160	0	202	92	0	0	0	0	0	0
1300	49	0	45	0	55	0	57	0	0	0	0	0	247	0	329	183	250	0	357	181	244	0	348	184	222	0	259	150	0	0	0	0	0	0
1400	61	0	59	0	64	0	69	0	0	0	0	0	255	0	283	212	251	0	276	210	274	0	345	248	256	0	302	213	0	0	0	0	0	0
1500	22	0	27	0	34	0	37	0	0	0	0	0	291	3	358	207	297	3	356	207	296	0	348	119	287	0	351	190	0	0	0	0	0	0
1600	43	0	41	0	44	0	47	0	0	0	0	0	260	0	319	209	254	0	321	210	239	0	292	193	225	0	274	181	0	0	0	0	0	0
1700	51	0	47	0	71	0	69	0	0	0	0	0	243	0	335	185	242	0	303	180	226	0	266	190	210	0	254	168	0	0	0	0	0	0
1800	77	0	76	0	93	0	100	0	0	0	0	0	247	0	281	213	244	0	273	180	249	0	266	224	231	0	257	203	0	0	0	0	0	0
1900	36	0	34	0	43	0	48	0	0	0	0	0	266	0	329	231	259	0	356	210	293	0	349	259	275	0	341	234	0	0	0	0	0	0
2000	62	0	57	0	79	0	81	0	0	0	0	0	99	0	144	72	94	0	143	75	104	0	151	76	88	0	136	57	0	0	0	0	0	0
2100	75	0	69	0	92	0	95	0	0	0	0	0	117	0	129	82	117	0	141	96	129	0	152	113	113	0	133	94	0	0	0	0	0	0
2200	88	0	83	0	107	0	111	0	0	0	0	0	119	0	131	107	115	0	141	80	129	0	147	116	115	0	133	99	0	0	0	0	0	0
2300	75	0	72	0	97	0	102	0	0	0	0	0	119	0	137	99	115	0	141	86	136	0	151	124	121	0	135	106	0	0	0	0	0	0
2400	57	0	56	0	89	0	92	0	0	0	0	0	123	0	143	109	119	0	177	86	142	0	151	127	128	0	140	113	0	0	0	0	0	0

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP5 S		D.T. 1 190A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	721	0	714	0	723	0	717	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
200	723	0	716	0	728	0	723	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
300	719	0	714	0	725	0	719	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
400	721	0	716	0	730	0	723	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
500	714	0	708	0	726	0	721	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
600	703	0	696	0	699	0	692	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
700	712	0	707	0	708	0	703	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
800	746	0	741	0	726	0	721	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
900	771	0	766	0	748	0	743	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1000	811	0	807	0	777	0	773	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1100	845	0	843	0	803	0	797	0	320	0	320	0	-45	0	-46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1200	891	0	887	0	835	0	829	0	320	0	320	0	-54	0	-56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1300	901	0	898	0	860	0	856	0	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1400	909	0	903	0	865	0	893	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1500	950	0	946	0	912	0	910	0	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1600	957	0	954	0	925	0	918	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1700	973	0	968	0	936	0	928	0	320	0	320	0	-38	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1800	955	0	950	0	943	0	930	0	320	0	320	0	-16	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1900	923	0	918	0	918	0	909	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2000	849	0	842	0	849	0	833	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2100	824	0	817	0	819	0	811	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2200	811	0	804	0	806	0	799	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2300	797	0	790	0	793	0	788	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2400	786	0	779	0	793	0	787	0	320	0	320	0	9	0	8	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	43	0	41	0	63	0	65	0	0	0	0	0	125	0	150	99	115	0	174	86	154	0	176	136	140	0	162	123	0	0	0	0	0	0
200	48	0	46	0	69	0	70	0	0	0	0	0	118	0	131	91	100	0	179	86	135	0	176	123	122	0	144	110	0	0	0	0	0	0
300	23	0	30	0	44	0	36	0	0	0	0	0	152	0	181	118	147	3	178	86	213	0	241	184	199	0	220	171	0	0	0	0	0	0
400	35	0	31	0	34	0	34	0	0	0	0	0	179	0	233	116	177	0	261	90	257	0	349	180	234	0	260	151	0	0	0	0	0	0
500	82	0	80	0	115	0	108	0	0	0	0	0	309	0	346	269	26	2	91	270	318	0	331	308	297	0	312	288	0	0	0	0	0	0
600	52	0	52	0	64	0	61	0	0	0	0	0	320	0	345	289	24	2	85	273	329	0	356	303	307	0	336	288	0	0	0	0	0	0
700	71	0	71	0	104	0	102	0	0	0	0	0	304	0	356	260	16	2	97	270	312	0	333	290	290	0	316	276	0	0	0	0	0	0
800	78	0	76	0	113	0	111	0	0	0	0	0	314	0	357	263	13	2	85	271	326	0	357	292	305	0	14	273	0	0	0	0	0	0
900	53	0	53	0	88	0	92	0	0	0	0	0	293	0	333	249	3	2	97	270	307	0	327	290	285	0	304	269	0	0	0	0	0	0
1000	66	0	68	0	93	0	96	0	0	0	0	0	293	0	330	261	359	2	99	270	304	0	326	287	282	0	291	268	0	0	0	0	0	0
1100	70	0	67	0	105	0	108	0	0	0	0	0	302	0	326	266	294	0	358	225	311	0	323	303	290	0	301	282	0	0	0	0	0	0
1200	59	0	58	0	73	0	80	0	0	0	0	0	295	0	334	242	282	0	359	219	304	0	327	288	293	0	301	264	0	0	0	0	0	0
1300	71	0	69	0	78	0	83	0	0	0	0	0	258	0	296	231	252	0	276	216	277	0	313	249	257	0	298	228	0	0	0	0	0	0
1400	72	0	70	0	90	0	95	0	0	0	0	0	270	0	304	233	264	0	357	221	277	0	308	251	260	0	301	219	0	0	0	0	0	0
1500	67	0	66	0	82	0	88	0	0	0	0	0	262	0	294	212	255	0	276	180	264	0	305	215	247	0	282	211	0	0	0	0	0	0
1600	77	0	76	0	99	0	105	0	0	0	0	0	264	0	289	245	260	0	276	225	274	0	295	255	256	0	269	248	0	0	0	0	0	0
1700	113	0	110	0	143	0	151	0	0	0	0	0	273	0	307	245	264	0	352	211	287	0	323	243	269	0	309	216	0	0	0	0	0	0
1800	114	0	111	0	145	0	157	0	0	0	0	0	263	0	303	249	265	0	355	212	276	0	290	249	259	0	292	215	0	0	0	0	0	0
1900	111	0	109	0	144	0	152	0	0	0	0	0	263	0	285	218	258	0	341	180	270	0	289	252	253	0	274	230	0	0	0	0	0	0
2000	103	0	99	0	144	0	152	0	0	0	0	0	286	0	323	227	342	0	83	270	297	0	315	256	278	0	298	254	0	0	0	0	0	0
2100	77	0	75	0	117	0	125	0	0	0	0	0	279	0	327	238	270	0	356	231	293	0	322	250	273	0	303	225	0	0	0	0	0	0
2200	97	0	97	0	139	0	147	0	0	0	0	0	279	0	325	247	310	2	142	255	295	0	334	253	274	0	310	224	0	0	0	0	0	0
2300	123	0	123	0	207	0	214	0	0	0	0	0	295	0	317	271	0	2	85	270	308	0	316	293	286	0	294	290	0	0	0	0	0	0
2400	200	0	0	2	245	0	0	2	0	2	0	2	310	0	0	0	0	2	0	0	330	0	0	0	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 190A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	774	0	766	0	786	0	781	0	320	0	320	0	19	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
200	757	0	750	0	781	0	768	0	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
300	754	0	748	0	784	0	765	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
400	741	0	734	0	770	0	756	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
500	756	0	750	0	759	0	745	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
600	748	0	743	0	747	0	738	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
700	752	0	747	0	748	0	736	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
800	754	0	748	0	739	0	734	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
900	759	0	754	0	743	0	736	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1000	766	0	763	0	766	1	745	0	320	0	320	0	-19	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1100	793	0	790	0	766	0	757	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1200	790	0	784	0	772	0	763	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1300	795	0	790	0	775	0	772	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1400	768	0	763	0	759	0	754	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1500	792	0	788	0	779	0	774	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1600	763	0	757	0	757	0	752	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1700	766	0	761	0	761	0	756	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1800	756	0	750	0	748	0	743	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1900	757	0	752	0	750	0	747	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2000	770	0	765	0	770	0	765	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2100	766	0	763	0	768	0	763	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2200	770	0	765	0	768	0	763	0	320	0	320	0	2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2300	768	0	763	0	768	0	763	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2400	757	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1	WIND DIR2 MIN		WIND DIR2 MAX		WIND DIR2 S	WIND DIR3	WIND DIR3 MIN 150A S		WIND DIR3 MAX		WIND DIR3 S	WIND DIR4	WIND DIR4 MIN 150B S		WIND DIR4 MAX		WIND DIR4 S	WIND DIR5	WIND DIR5 MIN S		WIND DIR5 MAX		WIND DIR5 S	WIND DIR6	WIND DIR6 MIN S		WIND DIR6 MAX		WIND DIR6 S
100	155	0	0	2	165	0	0	2	0	2	0	2	318	0	0	0	2	0	20	0	0	0	2	0	0	0	2	0	0	0	2									
200	105	0	0	2	130	0	0	2	0	2	0	2	35	0	0	0	2	0	25	0	0	0	2	0	0	0	2	0	0	0	2									
300	98	0	0	2	145	0	0	2	0	2	0	2	28	0	0	0	2	0	27	0	0	0	2	0	0	0	2	0	0	0	2									
400	115	0	0	2	155	0	0	2	0	2	0	2	30	0	0	0	2	0	25	0	0	0	2	0	0	0	2	0	0	0	2									
500	110	0	0	2	160	0	0	2	0	2	0	2	28	0	0	0	2	0	30	0	0	0	2	0	0	0	2	0	0	0	2									
600	112	0	0	2	126	0	0	2	0	2	0	2	39	0	0	0	2	0	35	0	0	0	2	0	0	0	2	0	0	0	2									
700	84	0	0	2	118	0	0	2	0	2	0	2	36	0	0	0	2	0	30	0	0	0	2	0	0	0	2	0	0	0	2									
800	63	0	0	2	106	0	0	2	0	2	0	2	28	0	0	0	2	0	20	0	0	0	2	0	0	0	2	0	0	0	2									
900	55	0	0	2	105	0	0	2	0	2	0	2	23	0	0	0	2	0	15	0	0	0	2	0	0	0	2	0	0	0	2									
1000	104	0	0	2	136	0	0	2	0	2	0	2	345	0	0	0	2	0	5	0	0	0	2	0	0	0	2	0	0	0	2									
1100	93	0	0	2	130	0	0	2	0	2	0	2	342	0	0	0	2	0	0	355	0	0	0	2	0	0	0	2	0	0	0	2									
1200	101	0	0	2	138	0	0	2	0	2	0	2	340	0	0	0	2	0	0	360	0	0	0	2	0	0	0	2	0	0	0	2									
1300	100	0	0	2	135	0	0	2	0	2	0	2	349	0	0	0	2	0	0	359	0	0	0	2	0	0	0	2	0	0	0	2									
1400	104	0	0	2	130	0	0	2	0	2	0	2	343	0	0	0	2	0	0	359	0	0	0	2	0	0	0	2	0	0	0	2									
1500	105	0	0	2	141	0	0	2	0	2	0	2	345	0	0	0	2	0	0	5	0	0	0	2	0	0	0	2	0	0	0	2									
1600	94	0	89	0	134	0	127	0	0	0	0	0	338	0	11	278	357	0	132	271	357	0	37	326	334	0	6	290	0	0	0	0	0	0						
1700	87	0	80	0	122	0	118	0	0	0	0	0	341	0	55	294	3	2	175	270	357	0	28	332	334	0	358	309	0	0	0	0	0	0						
1800	65	0	61	0	103	0	102	0	0	0	0	0	358	0	124	279	56	2	175	0	0	0	37	310	339	0	32	299	0	0	0	0	0	0						
1900	81	0	78	0	116	0	114	0	0	0	0	0	27	0	74	348	155	2	175	1	19	0	41	335	359	0	23	322	0	0	0	0	0	0						
2000	69	0	67	0	104	0	102	0	0	0	0	0	27	0	86	355	162	2	175	86	22	0	46	348	2	0	32	320	0	0	0	0	0	0						
2100	72	0	70	0	110	0	107	0	0	0	0	0	22	0	63	339	164	2	175	86	17	0	42	348	355	0	23	323	0	0	0	0	0	0						
2200	71	0	69	0	99	0	95	0	0	0	0	0	33	0	62	1	157	2	175	96	27	0	45	3	7	0	26	341	0	0	0	0	0	0						
2300	62	0	66	0	94	0	92	0	0	0	0	0	25	0	65	345	164	2	175	86	19	0	40	352	358	0	29	323	0	0	0	0	0	0						
2400	55	0	54	0	82	0	82	0	0	0	0	0	41	0	75	18	140	2	175	86	40	0	73	23	19	0	58	359	0	0	0	0	0	0						

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 190A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	755	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	737	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	734	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	721	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	716	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	712	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	715	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	743	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	752	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	744	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	743	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	743	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	757	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	765	0	0	2	0	2	0	2	0	2	0	2	-31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	762	0	0	2	0	2	0	2	0	2	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	761	0	757	0	758	0	730	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39	0
1700	736	0	730	0	716	0	712	0	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	6
1800	720	0	714	0	707	0	702	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1900	711	0	703	0	700	0	694	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2000	702	0	696	0	693	0	689	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2100	703	0	698	0	693	0	691	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2200	707	0	702	0	700	0	694	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2300	712	0	705	0	705	0	700	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2400	716	0	709	0	712	0	707	0	320	0	320	0	-9	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	37	0	37	0	53	0	57	0	0	0	0	0	30	1	81	328	163	2	175	86	19	0	34	351	0	0	42	334	0	0	0	0	0	0	0	0
200	56	0	54	0	75	0	73	0	0	0	0	0	24	0	47	11	168	2	175	86	29	0	35	1	359	0	38	340	0	0	0	0	0	0	0	0
300	38	0	38	0	62	0	62	0	0	0	0	0	9	0	47	312	166	2	175	86	2	0	23	343	340	0	9	305	0	0	0	0	0	0	0	0
400	34	0	35	0	55	0	54	0	0	0	0	0	42	0	61	17	132	2	175	86	23	0	41	6	5	0	28	346	0	0	0	0	0	0	0	0
500	32	0	33	0	42	0	45	0	0	0	0	0	78	0	97	58	111	2	175	86	50	0	73	24	31	0	53	4	0	0	0	0	0	0	0	0
600	37	0	35	0	59	0	69	0	0	0	0	0	119	0	128	111	125	0	175	86	102	0	109	96	85	0	94	79	0	0	0	0	0	0	0	0
700	43	0	38	0	67	0	67	0	0	0	0	0	109	0	128	88	144	0	175	86	98	0	126	86	81	0	117	68	0	0	0	0	0	0	0	0
800	36	0	36	0	42	0	45	0	0	0	0	0	112	0	164	60	112	0	176	86	142	0	167	109	128	0	157	85	0	0	0	0	0	0	0	0
900	16	0	15	0	21	0	24	0	0	0	0	0	187	3	269	94	182	3	267	90	163	3	256	90	137	3	176	3	0	0	0	0	0	0	0	0
1000	36	0	33	0	46	0	46	0	0	0	0	0	318	0	51	271	311	0	357	222	333	0	12	297	313	0	350	278	0	0	0	0	0	0	0	0
1100	45	0	44	0	56	0	53	0	0	0	0	0	20	0	171	270	23	0	173	271	38	0	179	310	26	0	171	295	0	0	0	0	0	0	0	0
1200	54	0	59	0	82	0	80	0	0	0	0	0	5	0	154	274	13	0	171	270	19	0	139	286	355	0	142	280	0	0	0	0	0	0	0	0
1300	80	0	79	0	121	0	114	0	0	0	0	0	24	0	59	353	55	0	179	0	19	0	43	346	358	0	32	325	0	0	0	0	0	0	0	0
1400	70	0	69	0	101	0	106	0	0	0	0	0	53	0	129	4	56	0	173	0	50	0	109	2	28	0	88	329	0	0	0	0	0	0	0	0
1500	119	0	114	0	162	0	155	0	0	0	0	0	24	0	96	337	57	0	165	0	21	0	74	331	2	0	50	319	0	0	0	0	0	0	0	0
1600	127	0	117	0	166	0	161	0	0	0	0	0	26	0	61	2	23	0	168	276	21	0	44	352	3	0	31	333	0	0	0	0	0	0	0	0
1700	113	0	112	0	154	0	152	0	0	0	0	0	30	0	85	343	43	0	169	0	25	0	51	359	3	0	38	331	0	0	0	0	0	0	0	0
1800	133	0	126	0	173	0	167	0	0	0	0	0	33	0	65	8	56	2	169	0	30	0	48	358	9	0	27	352	0	0	0	0	0	0	0	0
1900	127	0	122	0	167	0	162	0	0	0	0	0	34	0	61	4	69	2	171	0	36	0	61	17	16	0	50	352	0	0	0	0	0	0	0	0
2000	93	0	98	0	135	0	138	0	0	0	0	0	48	0	83	21	132	2	175	7	43	0	63	13	25	0	54	9	0	0	0	0	0	0	0	0
2100	58	0	64	0	86	0	97	0	0	0	0	0	55	0	80	38	111	2	176	86	53	0	67	45	35	0	49	25	0	0	0	0	0	0	0	0
2200	65	0	72	0	102	0	116	0	0	0	0	0	55	0	77	39	111	2	175	86	52	0	66	42	34	0	43	22	0	0	0	0	0	0	0	0
2300	56	0	69	0	101	0	115	0	0	0	0	0	62	0	75	53	90	2	96	86	53	0	61	45	33	0	43	26	0	0	0	0	0	0	0	0
2400	59	0	71	0	122	0	129	0	0	0	0	0	60	0	71	45	91	2	175	86	51	0	57	45	31	0	40	26	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	712	0	705	0	707	0	702	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
200	712	0	705	0	709	0	703	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
300	705	0	698	0	702	0	696	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
400	687	0	680	0	696	0	691	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
500	675	0	667	0	689	0	684	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
600	667	0	662	0	685	0	680	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
700	673	0	667	0	676	0	671	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
800	725	0	721	0	696	0	697	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
900	766	0	763	0	747	0	739	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1000	777	0	775	0	759	0	747	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1100	793	0	792	0	772	0	765	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1200	805	0	802	0	781	0	772	0	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1300	766	0	763	0	763	0	754	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1400	824	0	822	0	799	0	733	0	320	0	320	0	-36	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1500	795	0	792	0	781	0	775	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1600	783	0	784	0	777	0	770	0	320	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1700	781	0	775	0	766	0	761	0	320	0	320	0	-13	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1800	759	0	754	0	749	0	743	0	320	0	320	0	-9	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1900	741	0	734	0	732	0	725	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2000	716	0	711	0	714	0	709	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2100	693	0	685	0	703	0	698	0	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2200	680	0	675	0	702	0	696	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2300	664	0	658	0	702	0	696	0	320	0	320	0	33	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2400	662	0	657	0	709	0	703	0	320	0	320	0	47	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	61	0	62	0	109	0	116	0	0	0	0	0	82	0	106	56	92	0	169	86	62	0	75	51	44	0	55	31	0	0	0	0	0	0	0	0
200	65	0	64	0	105	0	113	0	0	0	0	0	103	0	108	90	89	0	96	86	79	0	82	73	61	0	65	54	0	0	0	0	0	0	0	0
300	73	0	72	0	122	0	120	0	0	0	0	0	115	0	122	111	94	0	175	86	94	0	101	87	77	0	86	71	0	0	0	0	0	0	0	0
400	71	0	68	0	114	0	115	0	0	0	0	0	116	0	123	106	93	0	175	96	93	0	106	89	76	0	88	70	0	0	0	0	0	0	0	0
500	51	0	48	0	90	0	99	0	0	0	0	0	85	0	101	77	127	0	175	86	78	0	83	75	61	0	65	58	0	0	0	0	0	0	0	0
600	56	0	56	0	89	0	86	0	0	0	0	0	133	0	142	122	150	0	175	86	113	0	120	106	98	0	105	89	0	0	0	0	0	0	0	0
700	50	0	51	0	75	0	77	0	0	0	0	0	129	0	146	123	120	0	177	96	135	0	143	131	121	0	127	117	0	0	0	0	0	0	0	0
800	14	0	13	0	19	0	22	0	0	0	0	0	261	3	325	181	290	3	356	181	112	3	176	0	169	3	269	90	0	0	0	0	0	0	0	0
900	25	0	27	0	29	0	24	0	0	0	0	0	282	0	304	257	269	0	276	255	234	0	293	191	218	0	266	171	0	0	0	0	0	0	0	0
1000	42	0	41	0	51	0	54	0	0	0	0	0	298	0	325	263	279	0	355	255	286	0	312	270	265	0	291	245	0	0	0	0	0	0	0	0
1100	43	0	43	0	60	0	60	0	0	0	0	0	293	0	341	252	293	0	356	183	321	0	355	275	300	0	334	260	0	0	0	0	0	0	0	0
1200	55	0	58	0	77	0	77	0	0	0	0	0	312	0	347	253	310	0	355	226	332	0	0	304	309	0	336	263	0	0	0	0	0	0	0	0
1300	73	0	72	0	96	0	98	0	0	0	0	0	327	0	357	281	338	0	2	270	345	0	0	322	323	0	337	291	0	0	0	0	0	0	0	0
1400	69	0	69	0	100	0	101	0	0	0	0	0	341	0	41	285	348	0	130	271	357	0	39	306	337	0	24	295	0	0	0	0	0	0	0	0
1500	51	0	49	0	87	0	86	0	0	0	0	0	358	0	75	272	0	0	170	271	8	0	71	310	351	0	85	283	0	0	0	0	0	0	0	0
1600	71	0	66	0	101	0	97	0	0	0	0	0	345	0	70	281	353	0	147	270	3	0	62	313	342	0	43	296	0	0	0	0	0	0	0	0
1700	56	0	54	0	95	0	93	0	0	0	0	0	17	0	179	300	10	0	149	271	14	0	49	335	358	0	137	313	0	0	0	0	0	0	0	0
1800	75	0	69	0	89	0	87	0	0	0	0	0	29	0	106	10	8	0	139	355	24	0	56	345	4	0	44	321	0	0	0	0	0	0	0	0
1900	47	0	49	0	67	0	71	0	0	0	0	0	49	0	88	20	38	0	96	356	44	0	64	22	26	0	49	358	0	0	0	0	0	0	0	0
2000	38	0	42	0	69	0	75	0	0	0	0	0	70	0	90	49	80	0	92	75	67	0	76	57	51	0	58	43	0	0	0	0	0	0	0	0
2100	51	0	49	0	93	0	95	0	0	0	0	0	87	0	109	69	90	0	96	79	82	0	86	78	69	0	71	61	0	0	0	0	0	0	0	0
2200	58	0	65	0	89	0	104	0	0	0	0	0	70	0	97	61	89	0	96	75	70	0	79	61	53	0	61	47	0	0	0	0	0	0	0	0
2300	77	0	75	0	122	0	122	0	0	0	0	0	104	0	115	94	90	0	96	86	99	0	102	96	83	0	85	79	0	0	0	0	0	0	0	0
2400	72	0	66	0	133	0	137	0	0	0	0	0	113	0	124	103	97	0	172	86	123	0	126	116	107	0	112	102	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	671	0	664	0	707	0	702	0	320	0	320	0	33	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
200	658	0	651	0	705	0	700	0	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
300	662	0	655	0	700	0	694	0	320	0	320	0	40	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
400	665	0	660	0	702	0	696	0	320	0	320	0	35	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
500	667	0	660	0	715	0	712	0	320	0	320	0	49	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
600	632	0	631	0	693	0	695	0	320	0	320	0	52	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
700	662	0	657	0	720	0	711	0	320	0	320	0	54	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
800	729	0	723	0	703	0	698	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
900	752	0	747	0	763	0	757	0	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1000	753	0	747	0	761	0	750	0	320	0	320	0	7	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1100	775	0	770	0	761	0	752	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1200	799	0	793	0	761	0	757	0	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1300	793	0	790	0	761	0	757	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1400	792	0	793	0	765	0	759	0	320	0	320	0	-33	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1500	810	0	806	0	768	0	765	0	320	0	320	0	-40	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1600	795	0	790	0	770	0	765	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1700	793	0	790	0	765	0	761	0	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1800	772	0	775	0	772	0	766	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1900	777	0	772	0	763	0	757	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2000	729	0	721	0	750	0	747	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2100	720	0	712	0	745	0	739	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2200	685	0	680	0	732	0	734	0	320	0	320	0	54	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2300	700	0	693	0	732	0	727	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2400	681	0	673	0	721	0	716	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	MIN MAX 50 B S	WIND DIR2	MIN MAX 150A S	WIND DIR3	MIN MAX 150B S	WIND DIR4	MIN MAX S	WIND DIR5	MIN MAX S	WIND DIR6
100	77 0	85 0	153 0	162 0	0 0	0 0	133 0	138 123	137 0	175 86	131 0	135 126	116 0	121 110	0 0	0 0	0
200	88 0	92 0	156 0	167 0	0 0	0 0	127 0	137 116	120 0	175 96	135 0	140 131	121 0	124 117	0 0	0 0	0
300	73 0	76 0	157 0	166 0	0 0	0 0	130 0	143 116	142 0	175 86	145 0	148 137	130 0	134 124	0 0	0 0	0
400	58 0	60 0	144 0	151 0	0 0	0 0	129 0	156 109	139 0	175 86	154 0	160 150	139 0	144 136	0 0	0 0	0
500	57 0	56 0	156 0	163 0	0 0	0 0	127 0	158 105	130 0	175 86	159 0	161 154	144 0	145 141	0 0	0 0	0
600	50 0	52 0	134 0	124 0	0 0	0 0	131 0	163 112	140 0	175 86	173 0	180 165	157 0	164 150	0 0	0 0	0
700	48 0	45 0	113 0	90 0	0 0	0 0	140 0	183 104	151 0	175 86	183 0	196 170	170 0	184 160	0 0	0 0	0
800	42 0	35 0	93 0	79 0	0 0	0 0	195 0	256 116	193 0	265 90	202 0	221 170	187 0	209 152	0 0	0 0	0
900	57 0	51 0	85 0	86 0	0 0	0 0	232 0	271 198	230 0	276 180	230 0	265 203	214 0	259 177	0 0	0 0	0
1000	70 0	68 0	83 0	90 0	0 0	0 0	249 0	276 221	248 0	276 212	251 0	280 198	233 0	269 196	0 0	0 0	0
1100	79 0	77 0	95 0	100 0	0 0	0 0	250 0	290 205	246 0	276 210	258 0	294 224	241 0	237 202	0 0	0 0	0
1200	74 0	74 0	84 0	90 0	0 0	0 0	260 0	290 235	255 0	276 214	265 0	291 253	248 0	277 230	0 0	0 0	0
1300	61 0	57 0	111 0	97 0	0 0	0 0	215 0	267 120	210 0	267 92	201 0	258 149	197 0	243 132	0 0	0 0	0
1400	39 0	39 0	49 0	53 0	0 0	0 0	301 0	357 213	291 0	358 210	306 0	355 203	286 0	343 216	0 0	0 0	0
1500	51 0	46 0	87 0	81 0	0 0	0 0	176 0	265 101	174 0	259 92	186 0	254 130	173 0	243 109	0 0	0 0	0
1600	49 0	45 0	68 0	73 0	0 0	0 0	188 0	269 100	182 0	265 90	187 0	261 105	171 0	234 90	0 0	0 0	0
1700	67 0	62 0	139 0	116 0	0 0	0 0	182 0	251 123	184 0	266 93	189 0	222 161	175 0	200 124	0 0	0 0	0
1800	65 0	59 0	130 0	115 0	0 0	0 0	193 0	269 119	185 0	261 91	197 0	232 154	181 0	220 137	0 0	0 0	0
1900	51 0	47 0	111 0	94 0	0 0	0 0	187 0	262 99	183 0	266 90	193 0	222 167	178 0	198 155	0 0	0 0	0
2000	52 0	47 0	110 0	102 0	0 0	0 0	166 0	235 115	164 0	225 90	181 0	192 162	166 0	175 151	0 0	0 0	0
2100	61 0	55 0	130 0	119 0	0 0	0 0	162 0	212 101	160 0	216 90	179 0	191 167	165 0	178 150	0 0	0 0	0
2200	65 0	61 0	150 0	132 0	0 0	0 0	159 0	216 94	163 0	231 90	181 0	193 164	167 0	190 153	0 0	0 0	0
2300	67 0	59 0	155 0	138 0	0 0	0 0	162 0	213 97	165 0	259 90	182 0	218 166	167 0	195 153	0 0	0 0	0
2400	73 0	69 0	171 0	145 0	0 0	0 0	167 0	255 115	167 0	265 91	186 0	208 170	171 0	187 150	0 0	0 0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	685 0	678 0	729 0	723 0	320 0	320 0	45 0	45 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
200	691 0	685 0	723 0	718 0	320 0	320 0	32 0	32 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
300	687 0	690 0	729 0	723 0	320 0	320 0	43 0	43 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
400	675 0	669 0	711 0	705 0	320 0	320 0	34 0	36 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
500	653 0	653 0	693 0	687 0	320 0	320 0	32 0	36 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
600	644 0	637 0	684 0	678 0	320 0	320 0	40 0	41 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
700	671 0	665 0	691 0	685 0	320 0	320 0	22 0	22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
800	720 0	716 0	705 0	700 0	320 0	320 0	-15 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
900	766 0	763 0	752 0	747 0	320 0	320 0	-19 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1000	784 0	779 0	772 0	766 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1100	806 0	801 0	792 0	786 0	320 0	320 0	-15 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1200	819 0	815 0	819 0	806 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1300	887 0	833 0	829 0	824 0	320 0	320 0	-52 2	-52 2	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1400	865 0	862 0	822 0	817 0	320 0	320 0	-43 0	-45 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1500	894 0	892 0	846 0	838 0	320 0	320 0	-50 0	-54 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1600	903 0	896 0	849 0	844 0	320 0	320 0	-50 0	-52 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1700	889 0	883 0	849 0	840 0	320 0	320 0	-41 0	-43 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1800	876 0	871 0	846 0	840 0	320 0	320 0	-31 0	-32 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1900	856 0	849 0	836 0	831 0	320 0	320 0	-19 0	-19 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
2000	810 0	802 0	817 0	810 0	320 0	320 0	9 0	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
2100	781 0	774 0	792 0	786 0	320 0	320 0	11 0	13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
2200	765 0	759 0	781 0	772 0	320 0	320 0	13 0	13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
2300	757 0	750 0	765 0	757 0	320 0	320 0	5 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
2400	750 0	743 0	756 0	750 0	320 0	320 0	5 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND MIN	WIND MAX	WIND DIR2	WIND MIN 150A S	WIND MAX	WIND DIR3	WIND MIN 150B S	WIND MAX	WIND DIR4	WIND MIN S	WIND MAX	WIND DIR5	WIND MIN S	WIND MAX	WIND DIR6
100	70 0	61 0	152 0	131 0	0 0	0 0	174 0	223	95	172 0	267	90	187 0	215	161	173 0	209	152	0 0	0	0	0 0
200	74 0	66 0	166 0	139 0	0 0	0 0	174 0	246	93	177 0	265	91	190 0	210	172	176 0	202	154	0 0	0	0	0 0
300	57 1	52 0	139 0	116 0	0 0	0 0	179 0	239	94	192 0	261	90	191 0	215	159	177 0	198	148	0 0	0	0	0 0
400	56 0	51 0	132 0	113 0	0 0	0 0	183 0	265	112	179 0	265	90	194 0	220	159	179 0	207	151	0 0	0	0	0 0
500	49 0	46 0	125 0	105 0	0 0	0 0	192 0	256	94	196 0	263	90	197 0	216	167	181 0	199	146	0 0	0	0	0 0
600	61 0	53 0	140 0	122 0	0 0	0 0	206 1	261	108	212 0	265	96	207 0	226	176	192 0	216	158	0 0	0	0	0 0
700	72 0	59 0	137 0	117 0	0 0	0 0	219 1	252	122	209 0	265	138	208 0	240	187	193 0	229	170	0 0	0	0	0 0
800	71 0	60 0	146 0	124 0	0 0	0 0	195 0	263	102	192 0	266	91	203 0	240	173	188 0	215	153	0 0	0	0	0 0
900	67 0	58 0	136 0	114 0	0 0	0 0	202 0	266	105	196 0	259	92	203 0	238	176	187 0	220	146	0 0	0	0	0 0
1000	73 0	59 0	139 0	118 0	0 0	0 0	203 0	256	129	203 0	265	90	206 0	244	179	189 0	219	154	0 0	0	0	0 0
1100	70 0	59 0	137 0	112 0	0 0	0 0	194 0	263	110	194 0	268	92	196 0	224	157	183 0	217	132	0 0	0	0	0 0
1200	67 0	60 0	129 0	112 0	0 0	0 0	188 0	260	104	182 0	266	90	188 0	258	136	173 0	202	127	0 0	0	0	0 0
1300	101 0	97 0	122 0	126 0	0 0	0 0	245 0	288	189	242 0	276	189	233 0	271	185	218 0	266	192	0 0	0	0	0 0
1400	110 0	101 0	145 0	145 0	0 0	0 0	242 0	289	205	237 0	276	181	233 0	266	179	215 0	245	154	0 0	0	0	0 0
1500	92 0	86 0	133 0	130 0	0 0	0 0	242 0	292	190	239 0	272	194	231 0	269	176	213 0	247	169	0 0	0	0	0 0
1600	100 0	87 0	152 0	142 0	0 0	0 0	235 0	294	190	237 0	340	180	223 0	258	176	208 0	246	165	0 0	0	0	0 0
1700	106 0	95 0	165 0	158 0	0 0	0 0	235 0	277	193	232 0	276	180	231 0	265	197	214 0	240	179	0 0	0	0	0 0
1800	96 0	85 0	165 0	169 0	0 0	0 0	236 0	337	185	228 0	266	174	232 0	268	200	214 0	242	197	0 0	0	0	0 0
1900	87 0	74 0	137 0	133 0	0 0	0 0	232 0	270	192	224 0	264	170	228 0	261	204	210 0	240	186	0 0	0	0	0 0
2000	85 0	73 0	136 0	127 0	0 0	0 0	227 0	283	190	222 0	265	176	220 0	248	165	205 0	232	159	0 0	0	0	0 0
2100	81 0	68 0	140 0	119 0	0 0	0 0	218 1	264	141	216 0	265	116	212 0	243	176	197 0	235	168	0 0	0	0	0 0
2200	107 0	92 0	161 0	145 0	0 0	0 0	225 0	263	186	224 0	264	160	218 0	244	193	203 0	230	175	0 0	0	0	0 0
2300	94 0	85 0	162 0	159 0	0 0	0 0	234 0	276	184	233 0	272	180	226 0	249	196	211 0	233	178	0 0	0	0	0 0
2400	103 0	90 0	154 0	150 0	0 0	0 0	230 0	256	191	230 0	276	181	227 0	259	201	212 0	237	183	0 0	0	0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	743 0	736 0	748 0	743 0	320 0	320 0	5 0	5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
200	739 0	734 0	741 0	738 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
300	734 0	727 0	741 0	736 0	320 0	320 0	7 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
400	725 0	719 0	729 0	725 0	320 0	320 0	-5 0	5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
500	720 0	716 0	721 0	716 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
600	732 0	727 0	732 0	727 0	320 0	320 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
700	743 0	738 0	739 0	734 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
800	766 0	763 0	752 0	747 0	320 0	320 0	-16 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
900	802 0	797 0	784 0	779 0	320 0	320 0	-18 1	-20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1000	840 0	835 0	817 0	811 0	320 0	320 0	-23 1	-23 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1100	885 0	882 0	851 0	844 0	320 0	320 0	-36 1	-38 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1200	925 0	919 0	878 0	873 0	320 0	320 0	-47 1	-49 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1300	943 0	943 0	912 0	907 0	320 0	320 0	-34 0	-36 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1400	939 1	934 0	910 0	900 0	320 0	320 0	-32 0	-34 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1500	952 0	946 0	923 0	914 0	320 0	320 0	-29 0	-32 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1600	966 0	959 0	936 0	927 0	320 0	320 0	-31 1	-32 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1700	955 0	948 0	932 0	923 0	320 0	320 0	-23 0	-25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1800	950 0	943 0	934 0	923 0	320 0	320 0	-15 1	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1900	933 0	923 0	925 0	916 0	320 0	320 0	-5 1	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
2000	914 0	907 0	912 0	903 0	320 0	320 0	-2 1	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
2100	891 0	883 0	889 0	880 0	320 0	320 0	2 1	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
2200	880 0	873 0	874 0	867 0	320 0	320 0	-4 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
2300	860 0	853 0	856 0	849 0	320 0	320 0	-4 1	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
2400	847 0	840 0	842 0	835 0	320 0	320 0	-4 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND DIR2 MIN	MAX	S	WIND DIR3 150A MIN	MAX	S	WIND DIR4 150B MIN	MAX	S	WIND DIR5	WIND DIR6 MIN	MAX	S
100	105	0	86	0	153	0	145	0	0	0	0	0	223	0	261	172	222	0	265	136	221	0	263	200	206	0	229	185	0	0	0	0	0	0
200	105	0	73	0	162	0	161	0	0	0	0	0	231	0	282	196	227	0	267	165	230	0	257	198	212	0	241	194	0	0	0	0	0	0
300	110	0	102	0	187	0	193	0	0	0	0	0	236	0	275	191	232	0	267	102	233	0	265	193	218	0	249	190	0	0	0	0	0	0
400	103	0	94	0	171	0	176	0	0	0	0	0	234	0	276	208	237	0	276	181	233	0	259	213	216	0	239	181	0	0	0	0	0	0
500	103	0	95	0	158	0	166	0	0	0	0	0	234	0	283	189	235	0	266	176	237	0	266	213	222	0	254	196	0	0	0	0	0	0
600	93	0	91	0	163	0	175	0	0	0	0	0	242	0	276	208	241	0	274	180	240	0	270	213	223	0	251	198	0	0	0	0	0	0
700	102	0	101	0	165	0	173	0	0	0	0	0	244	0	282	211	241	0	272	186	245	0	269	218	229	0	257	200	0	0	0	0	0	0
800	107	0	106	0	171	0	182	0	0	0	0	0	244	0	274	198	244	0	273	199	246	0	264	216	231	0	251	205	0	0	0	0	0	0
900	93	0	87	0	157	0	165	0	0	0	0	0	243	0	272	216	244	0	270	210	257	0	271	248	241	0	260	225	0	0	0	0	0	0
1000	71	0	68	0	93	0	99	0	0	0	0	0	259	0	300	222	254	0	276	214	262	0	303	222	245	0	281	209	0	0	0	0	0	0
1100	74	0	72	0	97	0	101	0	0	0	0	0	246	0	280	200	243	0	340	180	240	0	297	202	223	0	250	181	0	0	0	0	0	0
1200	83	0	79	0	99	0	106	0	0	0	0	0	241	0	281	213	239	0	276	210	242	0	286	207	225	0	247	198	0	0	0	0	0	0
1300	64	0	62	0	79	0	77	0	0	0	0	0	269	0	338	182	260	0	355	180	227	0	268	153	215	0	264	144	0	0	0	0	0	0
1400	56	0	53	0	76	0	81	0	0	0	0	0	283	0	359	216	271	0	351	210	279	0	338	215	260	0	312	200	0	0	0	0	0	0
1500	88	0	83	0	154	0	161	0	0	0	0	0	300	0	333	257	287	0	354	231	303	0	316	275	281	0	301	264	0	0	0	0	0	0
1600	66	0	63	0	120	0	125	0	0	0	0	0	337	0	31	271	335	0	90	270	333	0	20	297	312	0	4	279	0	0	0	0	0	0
1700	82	0	78	0	113	0	109	0	0	0	0	0	32	0	74	5	13	0	85	345	20	0	54	348	1	0	61	313	0	0	0	0	0	0
1800	72	0	68	0	111	0	110	0	0	0	0	0	8	0	172	270	9	0	177	271	10	0	81	275	350	0	58	276	0	0	0	0	0	0
1900	52	0	51	0	95	0	96	0	0	0	0	0	343	0	78	298	353	0	161	270	344	0	29	321	322	0	14	287	0	0	0	0	0	0
2000	52	0	52	0	73	0	36	0	0	0	0	0	85	0	107	54	86	0	96	75	78	0	98	55	59	0	82	35	0	0	0	0	0	0
2100	47	0	42	0	94	0	94	0	0	0	0	0	148	0	252	95	144	0	177	86	165	0	190	146	153	0	173	138	0	0	0	0	0	0
2200	31	0	31	0	69	0	61	0	0	0	0	0	136	0	193	90	132	0	175	86	169	0	198	110	155	0	181	100	0	0	0	0	0	0
2300	43	0	37	0	66	0	68	0	0	0	0	0	126	0	173	97	117	2	175	86	150	0	176	122	138	0	160	110	0	0	0	0	0	0
2400	41	0	39	0	46	0	47	0	0	0	0	0	303	0	359	251	130	2	175	86	295	0	342	219	275	0	323	213	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	837	0	829	0	833	0	826	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	0	30	0
200	824	0	817	0	820	0	815	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
300	811	0	804	0	808	0	801	0	320	0	320	0	-2	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
400	803	0	801	0	804	0	799	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
500	803	0	801	0	804	0	797	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
600	804	0	797	0	802	0	797	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
700	802	0	797	0	801	0	795	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
800	799	0	792	0	792	0	786	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
900	797	0	792	0	793	0	788	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1000	802	0	795	0	792	0	783	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1100	822	0	817	0	801	0	797	0	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1200	837	0	831	0	813	0	806	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1300	901	0	896	0	867	0	860	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1400	871	0	865	0	844	0	840	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1500	869	0	864	0	835	0	828	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1600	869	0	864	0	844	0	837	0	320	0	320	0	-27	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	32	0
1700	815	0	810	0	809	0	795	0	320	0	320	0	-13	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	6
1800	815	0	810	0	810	0	806	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
1900	777	0	772	0	779	0	772	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2000	777	0	772	0	775	0	770	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0
2100	745	0	738	0	743	0	730	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
2200	721	0	716	0	738	0	727	0	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	63	0
2300	721	0	716	0	729	0	723	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	65	0
2400	723	0	716	0	718	0	714	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SP01 50 A	S	WIND SP02 50 B	S	WIND SP03 150A	S	WIND SP04 150B	S	WIND SP05	S	WIND SP06 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	47	0	48	0	44	0	36	0	3	0	0	0	139	0	193	96	147	2	175	86	150	0	165	136	136	0	150	112	0	0	0	0	0	0	0	0
200	39	0	38	0	33	0	40	0	3	0	0	0	99	0	108	80	88	2	96	86	114	0	146	92	132	0	131	79	0	0	0	0	0	0	0	0
300	31	0	30	0	34	0	36	0	3	0	0	0	102	1	121	72	96	2	175	86	118	0	136	90	125	0	122	74	0	0	0	0	0	0	0	0
400	33	0	27	0	42	0	41	0	3	0	0	0	191	0	231	168	168	2	175	86	213	0	244	184	199	0	226	170	0	0	0	0	0	0	0	0
500	18	0	19	0	32	0	36	0	3	0	0	0	263	0	357	198	120	2	175	86	271	0	336	233	255	0	350	221	0	0	0	0	0	0	0	0
600	35	0	36	0	25	0	26	0	3	0	0	0	165	0	195	130	172	2	177	165	222	0	241	185	207	0	225	171	0	0	0	0	0	0	0	0
700	33	0	32	0	39	0	40	0	3	0	0	0	87	3	111	66	173	2	175	90	105	0	129	74	91	0	108	71	0	0	0	0	0	0	0	0
800	44	0	44	0	46	0	48	0	3	0	0	0	116	0	147	91	171	2	175	108	126	0	145	91	113	0	133	82	0	0	0	0	0	0	0	0
900	44	0	45	0	65	0	68	0	3	0	0	0	96	1	152	55	115	2	175	86	104	0	142	67	90	0	135	49	0	0	0	0	0	0	0	0
1000	27	0	26	0	29	0	31	0	3	0	0	0	101	0	175	38	109	2	175	75	102	0	155	39	91	0	149	17	0	0	0	0	0	0	0	0
1100	25	0	25	0	43	0	44	0	3	0	0	0	17	3	171	279	33	2	169	271	15	0	65	312	357	0	93	305	0	0	0	0	0	0	0	0
1200	31	0	28	0	39	0	36	0	3	0	0	0	292	0	350	218	10	2	175	180	321	0	34	288	300	0	351	259	0	0	0	0	0	0	0	0
1300	68	0	65	0	79	0	74	0	3	0	0	0	339	0	3	281	352	2	79	271	338	0	5	312	315	0	332	298	0	0	0	0	0	0	0	0
1400	65	0	62	0	85	0	83	0	3	0	0	0	339	0	93	272	12	2	164	271	353	0	19	319	334	0	50	293	0	0	0	0	0	0	0	0
1500	43	0	43	0	54	0	50	0	3	0	0	0	41	1	96	6	29	2	93	349	35	0	80	12	15	0	55	339	0	0	0	0	0	0	0	0
1600	60	0	57	0	77	0	76	0	3	0	0	0	345	0	17	292	347	2	6	272	356	0	19	319	333	0	354	291	0	0	0	0	0	0	0	0
1700	51	0	45	0	65	0	61	0	3	0	0	0	342	0	29	299	6	2	135	314	8	0	72	318	349	0	62	295	0	0	0	0	0	0	0	0
1800	35	0	34	0	48	0	48	0	3	0	0	0	33	0	89	2	15	2	96	345	29	0	52	354	7	0	128	336	0	0	0	0	0	0	0	0
1900	32	0	33	0	41	0	43	0	3	0	0	0	45	1	85	19	105	2	175	0	40	0	71	357	21	0	54	344	0	0	0	0	0	0	0	0
2000	41	0	38	0	59	0	56	0	3	0	0	0	152	0	226	102	143	2	175	86	158	0	210	90	130	0	177	54	0	0	0	0	0	0	0	0
2100	15	0	14	0	24	0	28	0	3	0	0	0	177	3	235	91	140	2	175	81	78	3	158	46	56	3	146	25	0	0	0	0	0	0	0	0
2200	27	0	26	0	29	0	32	0	3	0	0	0	273	0	320	225	92	2	169	86	287	0	331	237	267	0	304	228	0	0	0	0	0	0	0	0
2300	47	0	45	0	57	0	61	0	3	0	0	0	232	0	265	200	114	2	175	86	247	0	264	225	231	0	243	215	0	0	0	0	0	0	0	0
2400	91	0	87	0	124	0	133	0	3	0	0	0	243	0	269	196	103	2	175	86	246	0	261	227	229	0	243	204	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP5	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	720	0	714	0	720	0	712	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
200	713	0	712	0	718	0	712	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
300	718	0	712	0	715	0	711	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
400	716	0	709	0	713	0	712	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
500	716	0	711	0	720	0	714	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
600	711	0	703	0	723	0	716	0	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
700	716	0	709	0	714	0	711	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	70	6
800	734	0	729	0	725	0	721	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
900	768	0	765	0	750	0	745	0	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1000	820	0	817	0	801	0	797	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1100	815	0	813	0	793	0	798	0	320	0	320	0	-22	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1200	811	0	808	0	801	0	797	0	320	0	320	0	-9	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1300	835	0	831	0	817	0	813	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1400	835	0	831	0	810	0	806	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1500	846	0	844	0	829	0	826	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1600	811	0	808	0	799	0	793	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1700	800	0	801	0	799	0	795	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1800	803	0	802	0	795	0	790	0	321	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1900	786	0	781	0	779	0	774	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
2000	772	0	766	0	777	0	772	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
2100	766	0	761	0	774	0	768	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
2200	769	0	763	0	772	0	765	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
2300	761	0	756	0	757	0	750	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
2400	754	0	748	0	744	0	743	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	44	0	40	0	70	0	74	0	0	0	0	0	226	0	264	194	123	2	175	86	233	0	248	203	217	0	229	198	0	0	0	0	0	0
200	24	0	21	0	22	0	24	0	0	0	0	0	173	0	239	92	150	2	175	86	241	0	293	180	218	0	269	153	0	0	0	0	0	0
300	45	0	45	0	36	0	36	0	0	0	0	0	177	0	195	153	171	2	175	165	224	0	286	181	208	0	253	160	0	0	0	0	0	0
400	41	0	40	0	111	0	94	0	0	0	0	0	165	0	223	109	171	2	175	165	189	0	201	176	173	0	225	142	0	0	0	0	0	0
500	35	0	35	0	86	0	79	0	0	0	0	0	155	0	225	117	170	2	175	165	179	0	193	159	165	0	187	144	0	0	0	0	0	0
600	46	0	45	0	103	0	101	0	0	0	0	0	165	0	223	121	171	2	176	165	181	0	194	171	166	0	197	153	0	0	0	0	0	0
700	56	0	51	0	80	0	82	0	0	0	0	0	231	0	283	202	126	2	175	86	229	0	258	207	212	0	236	181	0	0	0	0	0	0
800	70	0	67	0	95	0	99	0	0	0	0	0	240	0	277	203	107	2	175	86	240	0	268	211	222	0	259	200	0	0	0	0	0	0
900	101	0	99	0	128	0	134	0	0	0	0	0	249	0	277	212	93	2	170	86	253	0	276	226	237	0	257	220	0	0	0	0	0	0
1000	93	0	71	0	109	0	116	0	0	0	0	0	253	0	277	215	93	2	175	86	252	0	281	233	234	0	258	215	0	0	0	0	0	0
1100	81	0	78	0	90	0	95	0	0	0	0	0	249	0	285	221	149	2	265	90	255	0	275	237	238	0	267	212	0	0	0	0	0	0
1200	84	0	83	0	85	0	89	0	0	0	0	0	245	0	269	217	256	2	265	135	259	0	287	237	243	0	283	221	0	0	0	0	0	0
1300	83	0	79	0	90	0	95	0	0	0	0	0	242	0	277	212	246	2	276	210	255	0	286	230	237	0	286	209	0	0	0	0	0	0
1400	93	0	90	0	111	0	120	0	0	0	0	0	248	0	286	218	245	2	277	214	249	0	281	223	233	0	258	210	0	0	0	0	0	0
1500	104	0	102	0	122	0	132	0	0	0	0	0	251	0	277	223	249	2	276	211	249	0	267	223	233	0	253	208	0	0	0	0	0	0
1600	103	0	99	0	139	0	138	0	0	0	0	0	246	0	272	201	245	2	275	210	249	0	261	212	233	0	245	203	0	0	0	0	0	0
1700	94	0	93	0	136	0	146	0	0	0	0	0	245	0	282	197	242	2	276	180	245	0	270	222	228	0	263	198	0	0	0	0	0	0
1800	101	0	92	0	157	0	160	0	0	0	0	0	235	0	297	188	234	2	280	180	237	0	261	171	221	0	253	159	0	0	0	0	0	0
1900	122	0	121	0	200	0	211	0	0	0	0	0	245	0	279	218	247	2	265	97	251	0	270	231	236	0	249	220	0	0	0	0	0	0
2000	89	0	87	0	154	0	162	0	0	0	0	0	243	0	269	230	254	2	272	202	256	0	266	247	239	0	250	217	0	0	0	0	0	0
2100	76	0	74	0	115	0	120	0	0	0	0	0	269	0	346	232	294	2	174	212	279	0	345	254	261	0	316	232	0	0	0	0	0	0
2200	105	0	103	0	176	0	165	0	0	0	0	0	346	0	32	277	150	2	178	1	355	0	18	334	334	0	4	313	0	0	0	0	0	0
2300	107	0	99	0	163	0	161	0	0	0	0	0	337	0	10	288	138	2	175	1	344	0	1	313	324	0	347	292	0	0	0	0	0	0
2400	105	0	101	0	166	0	167	0	0	0	0	0	323	0	24	281	132	2	175	0	338	0	12	310	315	0	346	276	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7.	S	RAIN	S
100	733	0	730	0	736	0	729	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
200	727	0	720	0	727	0	721	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
300	715	0	709	0	725	0	720	0	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
400	703	0	698	0	712	0	707	0	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
500	709	0	703	0	716	0	711	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
600	709	0	703	0	725	0	714	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
700	723	0	712	0	719	0	705	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
800	732	0	725	0	720	0	716	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
900	738	0	732	0	725	0	720	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1000	743	0	743	0	734	0	729	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1100	763	0	757	0	750	0	747	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1200	770	0	765	0	775	0	774	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1300	801	0	795	0	784	0	783	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1400	815	0	810	0	797	0	793	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1500	846	0	840	0	824	0	822	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1600	823	0	822	0	820	0	815	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1700	849	0	844	0	851	0	828	0	320	0	320	0	-15	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	71	0
1800	824	0	819	0	819	0	811	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	77	0
1900	801	0	795	0	822	0	815	0	320	0	320	0	22	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2000	797	0	790	0	810	0	806	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2100	793	0	788	0	802	0	792	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2200	772	0	766	0	772	0	765	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	34	0
2300	770	0	763	0	766	0	761	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2400	763	0	756	0	759	0	754	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	104	0	99	0	147	0	151	0	0	0	0	0	323	0	5	279	142	2	175	86	337	0	8	300	315	0	2	280	0	0	0	0	0	0
200	102	0	98	0	171	0	174	0	0	0	0	0	324	0	138	279	141	2	175	86	339	0	3	293	317	0	341	281	0	0	0	0	0	0
300	100	0	95	0	153	0	153	0	0	0	0	0	324	1	5	293	142	2	175	86	332	0	355	299	310	0	335	276	0	0	0	0	0	0
400	113	0	108	0	154	0	153	0	0	0	0	0	317	0	347	254	126	2	175	86	330	0	348	304	307	0	334	290	0	0	0	0	0	0
500	123	0	112	0	165	0	166	0	0	0	0	0	318	0	339	268	127	2	175	86	323	0	345	313	300	0	345	291	0	0	0	0	0	0
600	118	0	116	0	162	0	165	0	0	0	0	0	313	0	339	287	118	2	175	86	323	0	341	309	300	0	317	291	0	0	0	0	0	0
700	124	0	121	0	168	1	172	0	0	0	0	0	311	1	343	279	108	2	175	1	319	0	327	292	296	0	308	281	0	0	0	0	0	0
800	136	0	139	0	195	0	197	0	0	0	0	0	311	1	339	257	72	2	175	0	324	0	344	313	301	0	316	298	0	0	0	0	0	0
900	146	0	140	0	195	0	195	0	0	0	0	0	311	1	332	291	53	2	145	288	320	0	337	300	297	0	309	298	0	0	0	0	0	0
1000	126	0	127	0	178	0	176	0	0	0	0	0	315	0	3	290	42	2	170	274	328	0	356	296	304	0	333	280	0	0	0	0	0	0
1100	123	0	119	0	168	0	168	0	0	0	0	0	311	0	344	283	39	2	151	271	324	0	355	305	301	0	330	286	0	0	0	0	0	0
1200	111	0	110	0	158	0	158	0	0	0	0	0	310	0	340	262	39	2	152	271	321	0	333	304	298	0	321	284	0	0	0	0	0	0
1300	108	0	106	0	158	0	154	0	0	0	0	0	293	0	331	262	15	2	85	270	308	0	326	297	286	0	305	269	0	0	0	0	0	0
1400	115	0	113	0	165	0	169	0	0	0	0	0	298	0	329	263	29	2	86	270	309	0	329	298	287	0	301	278	0	0	0	0	0	0
1500	85	0	81	0	122	0	126	0	0	0	0	0	299	0	343	239	8	2	81	270	311	0	323	300	289	0	301	270	0	0	0	0	0	0
1600	69	0	70	0	103	0	105	0	0	0	0	0	317	0	37	270	353	2	90	271	329	0	12	298	308	0	340	247	0	0	0	0	0	0
1700	52	0	50	0	74	0	74	0	0	0	0	0	333	0	42	283	346	2	80	271	345	0	46	304	325	0	10	287	0	0	0	0	0	0
1800	35	0	34	0	52	0	53	0	0	0	0	0	350	1	159	270	4	2	92	270	348	0	46	290	332	0	44	273	0	0	0	0	0	0
1900	40	0	42	0	59	0	49	0	0	0	0	0	30	1	74	314	22	2	179	271	22	0	57	338	2	0	91	323	0	0	0	0	0	0
2000	55	0	52	0	72	0	71	0	0	0	0	0	27	0	49	14	166	2	175	1	23	0	33	13	11	0	145	352	0	0	0	0	0	0
2100	51	0	53	0	79	0	77	0	0	0	0	0	29	0	56	7	188	2	172	86	23	0	38	11	4	0	100	348	0	0	0	0	0	0
2200	57	0	53	0	78	0	76	0	0	0	0	0	27	0	37	14	171	2	175	100	24	0	37	12	7	0	135	347	0	0	0	0	0	0
2300	25	0	25	0	40	0	43	0	0	0	0	0	111	3	139	56	109	2	175	86	48	0	75	23	29	0	56	6	0	0	0	0	0	0
2400	17	0	18	0	33	0	38	0	0	0	0	0	89	3	129	34	160	2	175	86	54	0	86	38	34	0	59	14	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	754	0	748	0	750	0	745	0	320	0	320	0	-2	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
200	747	0	739	0	743	0	738	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
300	741	0	734	0	736	0	730	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
400	736	0	729	0	730	0	725	0	320	0	320	0	-3	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
500	727	0	723	0	727	0	721	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
600	723	0	718	0	720	0	714	0	320	0	320	0	-3	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
700	729	0	723	0	723	0	718	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
800	732	0	727	0	729	0	714	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
900	736	0	730	0	723	0	718	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1000	739	0	734	0	723	0	718	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1100	743	0	738	0	727	0	718	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1200	756	0	752	0	727	0	726	0	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1300	770	0	766	0	723	0	718	0	320	0	320	0	-47	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1400	781	0	775	0	729	0	721	0	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1500	795	0	790	0	741	0	736	0	320	0	320	0	-54	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1600	793	0	790	0	763	0	752	0	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1700	788	0	783	0	757	0	754	0	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1800	777	0	772	0	752	0	746	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
1900	756	0	750	0	748	0	739	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2000	720	0	712	0	714	0	709	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2100	712	0	707	0	712	0	702	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2200	712	0	703	0	709	0	703	0	320	0	320	0	-4	1	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2300	694	0	685	0	702	0	696	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
2400	693	0	684	0	700	0	693	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN	MAX	WIND DIR4		MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S	
100	17	0	17	0	25	0	30	0	0	0	0	0	96	3	121	59	174	2	175	169	58	3	71	40	38	3	52	21	0	0	0	0	0	0
200	24	0	23	0	29	0	30	0	0	0	0	0	87	3	91	82	174	2	175	169	49	3	53	41	28	3	32	21	0	0	0	0	0	0
300	40	0	38	0	36	0	33	0	0	0	0	0	86	0	91	81	173	2	175	171	69	0	79	50	51	0	61	28	0	0	0	0	0	0
400	43	0	47	0	63	0	74	0	0	0	0	0	75	0	83	71	173	2	175	171	66	0	71	61	49	0	53	45	0	0	0	0	0	0
500	55	0	51	0	71	0	83	0	0	0	0	0	81	0	86	77	173	2	175	171	69	0	74	64	51	0	54	47	0	0	0	0	0	0
600	55	0	54	0	89	0	90	0	0	0	0	0	102	0	115	96	163	2	175	87	81	0	84	79	64	0	66	61	0	0	0	0	0	
700	55	0	53	0	113	0	115	0	0	0	0	0	95	0	111	81	112	2	175	86	82	0	87	78	64	0	69	60	0	0	0	0	0	0
800	59	0	57	0	83	0	80	0	0	0	0	0	94	0	123	70	96	2	175	86	91	0	103	69	74	0	88	47	0	0	0	0	0	0
900	45	0	45	0	53	0	58	0	0	0	0	0	81	0	138	13	101	2	91	96	85	0	126	45	66	0	106	21	0	0	0	0	0	0
1000	26	0	25	0	30	0	40	0	0	0	0	0	68	3	177	2	69	2	175	0	67	0	106	7	51	0	103	1	0	0	0	0	0	0
1100	67	0	67	0	86	0	95	0	0	0	0	0	345	0	78	298	5	2	169	271	356	0	32	304	334	0	1	298	0	0	0	0	0	0
1200	73	0	77	0	101	0	99	0	0	0	0	0	329	0	6	287	6	2	99	270	347	0	19	289	325	0	14	298	0	0	0	0	0	0
1300	74	0	73	0	96	0	94	0	0	0	0	0	328	0	7	283	2	2	97	270	342	0	6	313	320	0	350	289	0	0	0	0	0	0
1400	77	0	74	0	103	0	103	0	0	0	0	0	330	0	19	276	6	2	148	271	349	0	25	324	327	0	3	276	0	0	0	0	0	0
1500	79	0	81	0	107	0	106	0	0	0	0	0	334	0	38	273	9	2	169	272	347	0	9	300	324	0	341	280	0	0	0	0	0	0
1600	71	0	66	0	96	0	94	0	0	0	0	0	344	0	65	304	359	2	81	273	356	0	36	318	338	0	167	298	0	0	0	0	0	0
1700	59	0	57	0	90	0	87	0	0	0	0	0	352	0	40	291	358	2	96	271	359	0	26	314	339	0	94	287	0	0	0	0	0	0
1800	55	0	52	0	73	0	78	0	0	0	0	0	26	0	113	330	20	2	169	345	14	0	44	343	355	0	101	310	0	0	0	0	0	0
1900	51	0	50	0	64	0	65	0	0	0	0	0	24	0	62	350	12	2	170	345	17	0	50	345	1	0	176	308	0	0	0	0	0	0
2000	40	0	38	0	50	0	54	0	0	0	0	0	83	0	100	63	89	2	96	86	81	0	85	74	63	0	68	54	0	0	0	0	0	0
2100	61	0	60	0	89	0	88	0	0	0	0	0	106	0	115	96	90	2	96	86	99	0	107	91	83	0	91	74	0	0	0	0	0	0
2200	67	0	62	0	111	0	113	0	0	0	0	0	124	0	130	119	105	2	175	86	120	0	124	117	105	0	108	101	0	0	0	0	0	0
2300	55	0	60	0	125	0	134	0	0	0	0	0	132	0	150	115	148	2	175	86	136	0	139	133	121	0	123	119	0	0	0	0	0	0
2400	54	0	53	0	139	0	144	0	0	0	0	0	133	0	164	111	152	2	175	87	154	0	159	148	139	0	144	134	0	0	0	0	0	0

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	702	0	693	0	709	0	693	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
200	687	0	678	0	691	0	685	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
300	676	0	666	0	693	0	691	0	320	0	320	0	22	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
400	667	0	660	0	707	0	702	0	320	0	320	0	41	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
500	662	0	653	0	705	0	696	0	320	0	320	0	41	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
600	653	0	644	0	703	0	698	0	320	0	320	0	50	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
700	666	0	660	0	689	0	684	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
800	709	0	705	0	685	0	678	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
900	752	0	750	0	727	0	718	0	320	0	320	0	-25	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	85	0
1000	781	0	779	0	757	0	750	0	320	0	320	0	-25	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	6
1100	765	0	759	0	750	0	745	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
1200	777	0	775	0	763	0	756	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
1300	792	0	788	0	757	0	754	0	320	0	320	0	-34	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
1400	793	0	788	0	766	0	761	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
1500	795	0	790	0	766	0	763	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
1600	797	0	793	0	774	0	768	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
1700	797	0	792	0	775	0	770	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
1800	790	0	784	0	772	0	766	0	320	0	320	0	-15	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
1900	774	0	768	0	766	0	763	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
2000	729	0	720	0	750	0	745	0	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
2100	727	0	718	0	745	0	741	0	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
2200	712	0	707	0	759	0	743	0	320	0	320	0	35	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
2300	695	0	685	0	745	0	739	0	320	0	320	0	52	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
2400	675	0	667	0	741	0	736	0	320	0	320	0	67	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 SOR A S	WIND DIR1	WIND DIR2 MIN	WIND DIR2 MAX	WIND DIR3 MIN	WIND DIR3 MAX	WIND DIR4 MIN	WIND DIR4 MAX	WIND DIR5 MIN	WIND DIR5 MAX	WIND DIR6 MIN	WIND DIR6 MAX
	50 A S	50 B S	150A S	150B S	S	SOR A S		50 B S		150A S		150B S		S		S	
100	53 0	57 0	139 0	140 0	0 0	0 0	143 0	171	112	169 2	175	111	173 0	177	168	156 0	161	151	0 0	0	0	0	0
200	62 0	54 0	156 0	142 0	0 0	0 0	141 0	172	104	171 2	175	123	177 0	179	172	162 0	162	152	0 0	0	0	0	0
300	54 0	50 0	161 0	150 0	0 0	0 0	135 0	176	110	163 2	175	87	173 0	182	169	158 0	172	153	0 0	0	0	0	0
400	59 0	53 0	159 0	144 0	0 0	0 0	143 0	182	121	151 2	175	96	176 0	179	174	161 0	164	158	0 0	0	0	0	0
500	66 0	56 0	177 0	154 0	0 0	0 0	153 0	191	110	177 2	171	129	184 0	198	180	175 0	167	162	0 0	0	0	0	0
600	63 0	57 0	158 0	142 0	0 0	0 0	143 0	194	105	164 2	175	91	179 0	193	167	165 0	181	148	0 0	0	0	0	0
700	61 0	54 0	169 0	136 0	0 0	0 0	170 0	222	114	155 2	175	87	188 0	210	170	172 0	193	153	0 0	0	0	0	0
800	53 0	50 0	124 0	105 0	0 0	0 0	196 0	252	110	154 2	179	96	196 0	231	126	183 0	223	133	0 0	0	0	0	0
900	53 0	50 0	115 0	100 0	0 0	0 0	203 0	262	119	195 2	265	91	201 0	230	160	185 0	220	158	0 0	0	0	0	0
1000	55 0	51 0	87 0	76 0	0 0	0 0	215 0	261	131	216 2	267	92	210 0	246	140	196 0	239	114	0 0	0	0	0	0
1100	83 1	78 0	127 0	125 0	0 0	0 0	232 0	269	169	236 2	308	180	230 0	273	196	214 0	254	176	0 0	0	0	0	0
1200	92 0	86 0	125 0	128 0	0 0	0 0	241 0	287	187	239 2	276	180	243 0	272	203	225 0	254	197	0 0	0	0	0	0
1300	102 0	103 0	133 0	143 0	0 0	0 0	249 0	275	217	246 2	274	210	250 0	267	225	233 0	256	200	0 0	0	0	0	0
1400	69 0	59 0	116 0	103 0	0 0	0 0	213 0	259	169	214 2	267	135	210 0	256	169	195 0	222	160	0 0	0	0	0	0
1500	90 0	87 0	107 0	110 0	0 0	0 0	243 0	300	193	240 2	273	180	240 0	276	193	224 0	257	175	0 0	0	0	0	0
1600	79 0	77 0	97 0	103 0	0 0	0 0	244 0	276	224	238 2	276	211	256 0	293	237	240 0	281	221	0 0	0	0	0	0
1700	66 0	65 0	93 0	101 0	0 0	0 0	243 0	285	209	245 2	276	180	247 0	289	225	231 0	258	198	0 0	0	0	0	0
1800	75 0	64 0	126 0	129 0	0 0	0 0	229 0	271	188	228 2	276	182	237 0	277	213	222 0	257	198	0 0	0	0	0	0
1900	63 0	61 0	127 0	117 0	0 0	0 0	225 0	260	173	224 2	269	175	224 0	247	209	208 0	229	184	0 0	0	0	0	0
2000	49 0	42 0	131 0	110 0	0 0	0 0	186 0	235	90	179 2	264	90	200 0	221	181	183 0	200	163	0 0	0	0	0	0
2100	56 0	47 0	164 0	143 0	0 0	0 0	191 0	263	94	190 2	251	90	204 0	216	174	189 0	203	170	0 0	0	0	0	0
2200	54 0	47 0	138 0	118 0	0 0	0 0	199 0	249	99	199 2	265	90	207 0	223	185	192 0	214	165	0 0	0	0	0	0
2300	95 0	84 0	152 0	144 0	0 0	0 0	225 0	263	191	228 2	265	174	225 0	249	198	211 0	234	193	0 0	0	0	0	0
2400	137 0	130 0	203 0	206 0	0 0	0 0	235 0	261	142	239 2	266	132	235 0	266	201	218 0	248	182	0 0	0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	O.T. 1 180A S	O.T. 2 180B S	O.T. 3 S	O.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	662 0	655 0	741 0	736 0	320 0	320 0	81 0	81 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
200	651 0	642 0	743 0	738 0	320 0	320 0	94 0	95 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
300	648 0	639 0	730 0	725 0	320 0	320 0	83 0	86 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
400	639 0	630 0	709 0	703 0	320 0	320 0	70 0	72 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
500	639 0	631 0	709 0	703 0	320 0	320 0	70 0	72 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
600	644 0	637 0	673 0	669 0	320 0	320 0	29 0	31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
700	682 0	676 0	678 0	675 0	320 0	320 0	-2 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
800	725 0	720 0	709 0	703 0	320 0	320 0	-16 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
900	775 0	772 0	752 0	747 0	320 0	320 0	-25 0	-25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1000	810 0	806 0	793 0	779 0	320 0	320 0	-23 0	-23 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1100	819 0	813 0	793 0	738 0	320 0	320 0	-25 0	-25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1200	933 0	828 0	802 0	797 0	320 0	320 0	-32 0	-31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1300	815 0	810 0	802 0	797 0	320 0	320 0	-13 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1400	865 0	860 0	835 0	829 0	320 0	320 0	-31 0	-31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1500	858 0	855 0	837 0	831 0	320 0	320 0	-22 0	-22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1600	842 0	835 0	831 0	828 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1700	851 0	847 0	837 0	829 0	320 0	320 0	-14 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1800	805 0	739 0	824 0	819 0	320 0	320 0	20 0	20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1900	826 0	820 0	833 0	826 0	320 0	320 0	7 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
2000	783 0	775 0	813 0	806 0	320 0	320 0	32 0	32 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
2100	790 0	784 0	813 0	809 0	320 0	320 0	25 0	25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
2200	793 0	783 0	801 0	797 0	320 0	320 0	13 0	13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
2300	806 0	801 0	806 0	801 0	320 0	320 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
2400	813 0	808 0	810 0	804 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND MIN 50	WIND MAX 50	S	WIND DIR2	WIND MIN 150A	WIND MAX 150A	S	WIND DIR3	WIND MIN 150B	WIND MAX 150B	S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6	
100	141	0	136	0	207	0	219	0	0	0	0	0	245	0	276	214	239	2	265	104	246	0	267	204	230	0	252	202	0	0	0	0	0	0
200	45	0	44	0	77	0	72	0	0	0	0	0	213	0	269	129	128	2	179	86	218	0	263	179	201	0	251	156	0	0	0	0	0	0
300	33	0	32	0	63	0	58	0	0	0	0	0	203	0	235	139	155	2	177	86	228	0	261	191	213	0	234	175	0	0	0	0	0	0
400	52	0	46	0	92	0	76	0	0	0	0	0	220	0	261	161	130	2	175	86	235	0	259	199	218	0	246	195	0	0	0	0	0	0
500	38	0	35	0	53	0	51	0	0	0	0	0	169	0	229	135	169	2	175	165	203	0	245	172	188	0	220	164	0	0	0	0	0	0
600	41	0	39	0	90	0	71	0	0	0	0	0	175	0	225	143	170	2	177	165	193	0	213	180	178	0	191	166	0	0	0	0	0	0
700	45	0	38	0	105	0	87	0	0	0	0	0	192	0	250	118	160	2	175	86	202	0	214	187	186	0	204	179	0	0	0	0	0	0
800	54	0	48	0	91	0	87	0	0	0	0	0	222	0	266	163	128	2	179	86	226	0	260	180	209	0	250	170	0	0	0	0	0	0
900	99	0	99	0	139	0	134	0	0	0	0	0	248	0	270	223	93	2	175	86	258	0	271	249	241	0	250	232	0	0	0	0	0	0
1000	95	0	87	0	122	0	125	0	0	0	0	0	296	0	341	262	65	2	97	272	305	0	311	294	283	0	290	275	0	0	0	0	0	0
1100	72	0	70	0	87	0	92	0	0	0	0	0	281	0	350	249	356	2	85	255	288	0	324	252	268	0	313	236	0	0	0	0	0	0
1200	49	0	48	0	64	0	66	0	0	0	0	0	315	0	356	244	25	2	85	271	332	0	6	285	309	0	1	273	0	0	0	0	0	0
1300	63	0	62	0	78	0	77	0	0	0	0	0	331	0	18	278	14	2	113	356	343	0	28	282	324	0	358	273	0	0	0	0	0	0
1400	72	0	70	0	87	0	88	0	0	0	0	0	333	0	11	280	15	2	168	277	337	0	354	276	316	0	337	243	0	0	0	0	0	0
1500	80	0	80	0	116	0	112	0	0	0	0	0	333	0	52	271	20	2	169	272	340	0	2	291	318	0	343	282	0	0	0	0	0	0
1600	100	0	95	0	138	0	135	0	0	0	0	0	342	0	21	287	98	2	175	0	355	0	67	323	334	0	50	305	0	0	0	0	0	0
1700	78	0	77	0	134	0	129	0	0	0	0	0	17	0	118	336	143	2	175	0	5	0	42	329	348	0	150	290	0	0	0	0	0	0
1800	82	0	80	0	132	0	125	0	0	0	0	0	24	0	63	324	158	2	175	86	14	0	51	323	359	0	175	295	0	0	0	0	0	0
1900	77	0	73	0	114	0	110	0	0	0	0	0	349	0	59	289	165	2	175	86	4	0	44	328	342	0	71	310	0	0	0	0	0	0
2000	52	0	49	0	93	0	90	0	0	0	0	0	3	0	59	285	168	2	175	86	7	0	49	324	348	0	148	305	0	0	0	0	0	0
2100	61	0	61	0	89	0	90	0	0	0	0	0	25	0	90	323	166	2	175	86	15	0	61	321	356	0	146	317	0	0	0	0	0	0
2200	49	0	46	0	76	0	74	0	0	0	0	0	353	0	177	296	158	2	175	86	358	0	33	321	339	0	127	306	0	0	0	0	0	0
2300	63	0	63	0	95	0	93	0	0	0	0	0	347	0	25	301	163	2	175	90	356	0	19	335	334	0	2	313	0	0	0	0	0	0
2400	46	0	43	0	62	0	62	0	0	0	0	0	321	0	12	274	147	2	175	86	335	0	9	296	312	0	345	274	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	775	0	770	0	768	0	763	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	84	0
200	747	0	741	0	741	0	734	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	86	0
300	725	0	718	0	736	0	727	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
400	730	0	725	0	745	0	739	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
500	720	0	714	0	739	0	732	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
600	703	0	696	0	720	0	714	0	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
700	714	0	709	0	712	0	707	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
800	741	0	736	0	732	0	727	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
900	757	0	752	0	747	0	743	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1000	779	0	774	0	757	0	752	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1100	793	0	784	0	765	0	763	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1200	813	0	810	0	790	0	786	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1300	819	0	815	0	784	0	779	0	320	0	320	0	-35	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1400	815	0	810	0	783	0	779	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1500	795	0	792	0	763	0	757	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1600	774	0	768	0	756	0	750	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1700	770	0	765	0	750	0	745	0	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1800	743	0	743	0	734	0	729	0	320	0	320	0	-13	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1900	735	0	729	0	721	0	716	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2000	727	0	720	0	716	0	712	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2100	723	0	716	0	716	0	711	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2200	721	0	716	0	714	0	709	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2300	721	0	716	0	714	0	709	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2400	718	0	712	0	712	0	707	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND MIN	WIND MAX	WIND DIR2 50 B S	WIND MIN	WIND MAX	WIND DIR3 150A S	WIND MIN	WIND MAX	WIND DIR4 150B S	WIND MIN	WIND MAX	WIND DIR5 S	WIND MIN	WIND MAX	WIND DIR6 S
100	36 0	36 0	52 0	55 0	0 2	0 0	335 0	111	287	154 2	175	36	349 0	23	293	319 0	4	284	0 0	0	0	0 0
200	35 0	31 0	51 0	53 0	0 0	0 0	330 0	38	276	148 2	175	86	330 0	1	296	308 0	332	279	0 0	0	0	0 0
300	52 0	54 0	75 0	77 0	0 2	0 0	311 0	4	270	171 2	175	164	320 0	3	300	298 0	340	278	0 0	0	0	0 0
400	39 0	36 0	57 0	60 0	0 0	0 0	311 0	353	264	171 2	175	165	318 0	349	297	296 0	330	269	0 0	0	0	0 0
500	26 0	25 0	34 0	37 0	0 0	0 0	281 0	358	186	164 2	175	96	294 0	342	225	275 0	318	202	0 0	0	0	0 0
600	13 0	19 0	10 0	11 0	0 0	0 0	119 0	135	101	173 2	175	165	21 3	77	271	13 3	61	273	0 0	0	0	0 0
700	25 0	26 0	38 0	40 0	0 0	0 0	136 0	187	107	170 2	175	86	144 0	170	129	128 0	153	116	0 0	0	0	0 0
800	25 0	26 0	37 0	33 0	0 0	0 0	178 0	267	91	153 2	176	87	186 0	232	120	174 0	232	109	0 0	0	0	0 0
900	53 0	53 0	58 0	61 0	0 0	0 0	261 0	292	221	157 2	171	96	263 0	292	237	246 0	271	212	0 0	0	0	0 0
1000	48 0	48 0	66 0	60 0	0 0	0 0	244 0	300	209	105 2	175	97	260 0	335	230	240 0	321	201	0 0	0	0	0 0
1100	35 0	39 0	52 0	54 0	0 0	0 0	303 0	356	240	136 2	175	87	306 0	353	236	288 0	347	229	0 0	0	0	0 0
1200	55 0	53 0	67 0	70 0	0 0	0 0	294 0	335	224	107 2	175	87	308 0	339	251	236 0	335	248	0 0	0	0	0 0
1300	79 0	79 0	97 0	90 0	0 0	0 0	279 0	331	235	100 2	172	87	291 0	322	245	269 0	305	231	0 0	0	0	0 0
1400	67 0	67 0	79 0	72 0	0 0	0 0	296 0	335	261	96 2	177	87	303 0	319	287	291 0	304	266	0 0	0	0	0 0
1500	63 0	56 0	82 0	35 0	0 0	0 0	302 0	343	261	79 2	133	1	310 0	333	275	288 0	310	260	0 0	0	0	0 0
1600	62 0	61 0	85 0	85 0	0 0	0 0	338 0	56	271	65 2	170	0	355 0	50	309	334 0	32	279	0 0	0	0	0 0
1700	53 0	52 0	94 0	93 0	0 0	0 0	0 2	106	305	88 2	175	0	3 0	46	288	342 0	62	291	0 0	0	0	0 0
1800	76 0	76 0	109 0	98 0	0 0	0 0	27 0	80	353	151 2	175	1	23 0	56	347	3 0	80	325	0 0	0	0	0 0
1900	95 0	90 0	123 0	119 0	0 0	0 0	29 0	71	357	165 2	175	97	27 0	52	351	8 0	31	339	0 0	0	0	0 0
2000	40 0	40 0	64 0	66 0	0 0	0 0	47 0	90	15	153 2	175	86	43 0	86	19	23 0	59	358	0 0	0	0	0 0
2100	60 0	58 0	94 0	93 0	0 0	0 0	41 0	74	23	155 2	175	86	41 0	59	26	20 0	36	8	0 0	0	0	0 0
2200	69 0	65 0	103 0	101 0	0 0	0 0	33 0	63	6	165 2	175	86	33 0	52	20	14 0	48	1	0 0	0	0	0 0
2300	56 0	59 0	87 0	85 0	0 0	0 0	35 0	52	24	168 2	175	86	37 0	50	25	17 0	29	4	0 0	0	0	0 0
2400	44 0	44 0	76 0	81 0	0 0	0 0	53 0	87	23	155 2	175	86	44 0	64	30	25 0	47	5	0 0	0	0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 190A S	D.T. 2 190B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	725 0	718 0	716 0	712 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
200	716 0	709 0	711 0	705 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
300	723 0	716 0	718 0	712 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
400	720 0	714 0	714 0	709 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
500	718 0	712 0	714 0	709 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
600	716 0	711 0	713 0	712 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
700	718 0	712 0	714 0	711 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
800	752 0	747 0	727 0	723 0	320 0	320 0	-22 0	-23 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	96 6
900	752 0	748 0	745 0	739 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1000	779 0	775 0	761 0	757 0	320 0	320 0	-18 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1100	797 0	795 0	765 0	763 0	320 0	320 0	-32 0	-32 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1200	811 0	808 0	783 0	779 0	320 0	320 0	-29 0	-29 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1300	803 0	802 0	766 0	763 0	320 0	320 0	-41 0	-40 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1400	829 0	820 0	795 0	784 0	320 0	320 0	-35 0	-34 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1500	820 0	815 0	783 0	777 0	320 0	320 0	-40 0	-40 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1600	810 0	804 0	779 0	774 0	320 0	320 0	-31 0	-31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1700	801 0	795 0	770 0	765 0	320 0	320 0	-31 0	-31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1800	781 0	777 0	765 0	763 0	320 0	320 0	-19 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1900	752 0	747 0	743 0	738 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2000	736 0	729 0	732 0	727 0	320 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2100	730 0	723 0	730 0	725 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2200	734 0	727 0	729 0	723 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2300	720 0	712 0	725 0	720 0	320 0	320 0	5 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2400	725 0	720 0	727 0	721 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	DIR4	MIN	MAX	DIR5	MIN	MAX	DIR6	
														50 3 S			150A S			150B S			S			S			
100	41	0	48	0	77	0	87	0	0	0	0	0	56	0	77	39	171	2	175	112	51	0	55	45	32	0	37	26	0	0
200	62	0	60	0	95	0	92	0	0	0	0	0	39	0	65	12	171	2	175	90	34	0	49	23	14	0	32	4	0	0
300	55	0	57	0	95	0	103	0	0	0	0	0	77	0	95	64	173	2	175	171	63	0	75	57	46	0	54	40	0	0
400	50	0	49	0	91	0	97	0	0	0	0	0	83	0	101	70	173	2	175	171	79	0	86	69	61	0	68	54	0	0
500	42	0	41	0	91	0	90	0	0	0	0	0	101	0	113	83	173	2	175	171	93	0	99	86	76	0	82	69	0	0
600	51	0	49	0	99	0	95	0	0	0	0	0	84	0	96	76	155	2	171	86	89	0	94	86	72	0	77	67	0	0
700	40	0	40	0	91	0	96	0	0	0	0	0	95	0	119	79	108	2	175	86	92	0	96	86	75	0	80	67	0	0
800	25	0	26	0	31	0	37	0	0	0	0	0	72	3	129	26	119	2	176	81	79	0	132	37	58	0	108	14	0	0
900	29	0	31	0	37	0	39	0	0	0	0	0	341	3	99	284	350	2	91	271	359	0	64	301	340	0	39	293	0	0
1000	65	0	66	0	91	0	92	0	0	0	0	0	338	0	172	294	354	2	81	270	344	0	2	313	321	0	333	296	0	0
1100	82	0	78	0	101	0	100	0	0	0	0	0	340	0	25	291	0	2	159	277	352	0	18	334	329	0	351	304	0	0
1200	100	0	99	0	136	0	132	0	0	0	0	0	349	0	50	304	10	2	170	277	356	0	34	323	337	0	35	303	0	0
1300	73	0	67	0	123	0	119	0	0	0	0	0	352	0	108	290	7	2	162	272	3	0	32	311	344	0	25	276	0	0
1400	64	0	61	0	106	0	107	0	0	0	0	0	1	0	93	295	17	2	168	271	2	0	41	283	342	0	50	296	0	0
1500	62	0	59	0	89	0	87	0	0	0	0	0	353	0	76	298	357	2	90	271	3	0	54	314	345	0	32	285	0	0
1600	74	0	66	0	103	0	98	0	0	0	0	0	342	0	44	289	352	2	170	271	354	0	33	319	337	0	32	298	0	0
1700	68	0	63	0	115	0	110	0	0	0	0	0	1	0	66	315	356	2	160	271	3	0	37	316	343	0	31	298	0	0
1800	54	0	48	0	97	0	97	0	0	0	0	0	15	0	101	279	15	2	172	271	8	0	69	285	346	0	28	277	0	0
1900	53	0	51	0	66	0	65	0	0	0	0	0	30	0	92	2	12	2	167	345	18	0	51	337	358	0	59	319	0	0
2000	52	0	49	0	75	0	73	0	0	0	0	0	27	0	61	2	116	2	175	0	26	0	40	16	6	0	30	354	0	0
2100	35	0	33	0	46	0	52	0	0	0	0	0	84	0	99	72	130	2	175	86	63	0	75	55	45	0	54	37	0	0
2200	45	0	41	0	55	0	54	0	0	0	0	0	35	0	63	22	157	2	175	86	22	0	40	13	9	0	73	354	0	0
2300	41	0	39	0	39	0	39	0	0	0	0	0	111	0	118	102	91	2	96	86	89	0	98	84	72	0	81	65	0	0
2400	54	0	51	0	63	0	63	0	0	0	0	0	114	0	120	109	92	2	96	86	102	0	106	98	86	0	88	81	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	711	0	703	0	721	0	714	0	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
200	723	0	718	0	725	0	720	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
300	694	0	687	0	711	0	705	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
400	689	0	680	0	700	0	694	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
500	685	0	676	0	703	0	696	0	320	0	320	0	13	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
600	682	0	675	0	705	0	698	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
700	703	0	694	0	714	0	709	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
800	765	0	759	0	741	0	736	0	320	0	320	0	-22	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
900	779	0	774	0	763	0	763	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1000	757	0	750	0	739	0	734	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1100	784	0	779	0	765	0	761	0	320	0	320	0	-13	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1200	783	0	777	0	765	0	759	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1300	806	0	802	0	766	0	763	0	320	0	320	0	-39	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1400	803	0	804	0	774	0	768	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1500	811	0	808	0	777	0	774	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1600	806	0	802	0	781	0	777	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1700	802	0	799	0	775	0	772	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1800	784	0	779	0	763	0	759	0	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1900	766	0	763	0	757	0	752	0	320	0	320	0	-2	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2000	733	0	730	0	734	0	727	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2100	707	0	698	0	729	0	723	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2200	725	0	716	0	727	0	720	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2300	711	0	703	0	734	0	729	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2400	700	0	693	0	732	0	729	0	320	0	320	0	36	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND DIR2 50 A S	MIN	MAX	WIND DIR3 150A S	MIN	MAX	WIND DIR4 150B S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	35 0	34 0	47 0	49 0	0 0	0 0	33 0	42 6	170	2 175	165	50 0	55	40	29 0	33	21	0 0	0	0 0
200	46 0	51 0	73 0	83 0	0 0	0 0	69 0	82 59	103	2 175	96	57 0	64	53	39 0	47	33	0 0	0	0 0
300	52 0	50 0	93 0	95 0	0 0	0 0	102 0	133 78	103	2 175	86	84 0	92	67	66 0	77	51	0 0	0	0 0
400	46 0	44 0	51 0	51 0	0 0	0 0	103 0	120 98	142	2 175	96	87 0	95	50	69 0	77	32	0 0	0	0 0
500	43 0	46 0	58 0	56 0	0 0	0 0	105 0	118 97	96	2 175	56	80 0	93	78	63 0	77	54	0 0	0	0 0
600	41 0	39 0	60 0	58 0	0 0	0 0	84 0	91 75	148	2 175	86	36 0	46	27	17 0	25	8	0 0	0	0 0
700	33 0	32 0	47 0	48 0	0 0	0 0	93 0	116 87	95	2 175	86	41 0	55	33	21 0	32	14	0 0	0	0 0
800	8 0	7 0	7 0	9 0	0 0	0 0	263 0	356 196	100	2 175	0	46 3	171	281	21 3	157	280	0 0	0	0 0
900	34 0	32 0	33 0	35 0	0 0	0 0	301 0	353 271	280	2 357	132	325 0	350	275	302 0	325	264	0 0	0	0 0
1000	48 0	48 0	59 0	63 0	0 0	0 0	293 0	337 250	279	2 355	255	309 0	328	288	287 0	308	272	0 0	0	0 0
1100	54 0	49 0	66 0	67 0	0 0	0 0	301 0	357 253	297	2 355	255	315 0	345	289	293 0	320	264	0 0	0	0 0
1200	62 0	62 0	89 0	89 0	0 0	0 0	321 0	359 248	323	2 359	259	339 0	23	279	316 0	346	246	0 0	0	0 0
1300	73 0	72 0	98 0	96 0	0 0	0 0	329 0	8 285	301	2 96	271	349 0	13	324	326 0	351	302	0 0	0	0 0
1400	63 0	64 0	91 0	99 0	0 0	0 0	336 0	56 274	325	2 358	225	352 0	40	312	333 0	50	300	0 0	0	0 0
1500	61 0	57 0	77 0	76 0	0 0	0 0	336 0	31 276	341	2 69	270	349 0	41	282	328 0	25	290	0 0	0	0 0
1600	62 0	59 0	73 0	73 0	0 0	0 0	324 0	17 273	314	2 356	255	343 0	16	314	320 0	8	295	0 0	0	0 0
1700	49 0	44 0	68 0	67 0	0 0	0 0	5 0	119 297	2	2 92	271	4 0	134	323	344 0	58	299	0 0	0	0 0
1800	30 0	29 0	42 0	43 0	0 0	0 0	357 3	68 274	1	2 165	270	2 0	46	296	343 0	54	279	0 0	0	0 0
1900	12 0	13 0	13 0	15 0	0 0	0 0	272 3	350 183	289	2 357	180	7 3	176	271	309 3	358	188	0 0	0	0 0
2000	25 0	25 0	29 0	32 0	0 0	0 0	311 0	355 277	305	2 355	265	311 0	324	289	289 0	302	270	0 0	0	0 0
2100	25 0	25 0	29 0	32 0	0 0	0 0	279 0	299 253	269	2 276	255	284 0	306	248	264 0	284	236	0 0	0	0 0
2200	30 0	30 0	34 0	37 0	0 0	0 0	289 0	305 269	272	2 276	255	295 0	308	270	274 0	285	253	0 0	0	0 0
2300	45 0	46 0	60 0	66 0	0 0	0 0	239 0	258 226	233	2 265	220	250 0	254	247	232 0	236	228	0 0	0	0 0
2400	73 0	66 0	111 0	118 0	0 0	0 0	228 0	249 207	228	2 265	176	243 0	247	233	224 0	233	214	0 0	0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	702 0	694 0	718 0	712 0	320 0	320 0	18 0	18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
200	691 0	685 0	720 0	714 0	320 0	320 0	29 0	29 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
300	685 0	678 0	716 0	712 0	320 0	320 0	32 0	34 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
400	696 0	689 0	712 0	709 0	320 0	320 0	18 0	20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
500	691 0	684 0	711 0	705 0	320 0	320 0	20 0	22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
600	691 0	684 0	709 0	703 0	320 0	320 0	20 0	20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
700	711 0	705 0	729 0	723 0	320 0	320 0	18 0	18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
800	765 0	761 0	759 0	754 0	320 0	320 0	-5 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
900	775 0	772 0	783 0	777 0	320 0	320 0	7 0	5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1000	783 0	779 0	774 0	770 0	320 0	320 0	-7 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1100	806 0	802 0	784 0	775 0	320 0	320 0	-25 0	-27 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1200	811 0	808 0	777 0	774 0	320 0	320 0	-34 0	-34 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1300	817 0	811 0	777 0	774 0	320 0	320 0	-40 0	-40 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1400	815 0	811 0	779 0	775 0	320 0	320 0	-36 0	-36 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1500	822 0	819 0	783 0	779 0	320 0	320 0	-40 0	-40 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1600	817 0	813 0	783 0	779 0	320 0	320 0	-36 0	-36 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1700	811 0	806 0	781 0	777 0	320 0	320 0	-31 0	-31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1800	804 0	799 0	781 0	775 0	320 0	320 0	-23 0	-22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1900	786 0	779 0	777 0	772 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2000	714 0	707 0	721 0	714 0	320 0	320 0	7 0	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2100	723 0	712 0	725 0	718 0	320 0	320 0	5 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2200	716 0	709 0	727 0	720 0	320 0	320 0	11 0	13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2300	730 0	723 0	745 0	739 0	320 0	320 0	14 0	16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2400	712 0	707 0	745 0	739 0	320 0	320 0	32 0	32 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND MIN 50 A S	WIND MAX 50 A S	WIND DIR2	WIND MIN 150A S	WIND MAX 150A S	WIND DIR3	WIND MIN 150B S	WIND MAX 150B S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6
100	65 0	59 0	109 0	115 0	0 0	0 0	229 0	253	193	225 2	261	180	245 0	249	241	228 0	235	221	0 0	0	0	0
200	57 0	59 0	111 0	117 0	0 0	0 0	243 0	260	223	241 2	265	210	258 0	265	247	241 0	247	236	0 0	0	0	0
300	63 0	66 0	117 0	124 0	0 0	0 0	241 0	259	219	239 2	276	210	253 0	268	221	237 0	254	222	0 0	0	0	0
400	73 0	70 0	119 0	127 0	0 0	0 0	236 0	257	218	233 2	265	210	246 0	257	224	229 0	240	206	0 0	0	0	0
500	87 0	86 0	139 0	145 0	0 0	0 0	239 0	264	208	239 2	265	176	248 0	261	225	231 0	245	213	0 0	0	0	0
600	85 0	84 0	133 0	136 0	0 0	0 0	237 0	266	206	235 2	273	210	246 0	266	223	229 0	254	209	0 0	0	0	0
700	92 0	90 0	138 0	145 0	0 0	0 0	242 0	270	203	237 2	265	150	243 0	259	217	226 0	248	209	0 0	0	0	0
800	136 0	134 0	174 0	181 0	0 0	0 0	244 0	271	228	251 2	276	213	251 0	259	233	235 0	246	223	0 0	0	0	0
900	112 0	110 0	163 0	165 0	0 0	0 0	253 0	284	224	247 2	350	198	260 0	284	230	243 0	276	218	0 0	0	0	0
1000	97 0	99 0	143 0	153 0	0 0	0 0	260 0	299	233	250 2	290	202	261 0	302	224	242 0	266	209	0 0	0	0	0
1100	104 0	97 0	146 0	151 0	0 0	0 0	248 0	285	220	244 2	352	212	262 0	300	241	244 0	270	196	0 0	0	0	0
1200	134 0	133 0	162 0	164 0	0 0	0 0	251 0	275	211	248 2	271	210	245 0	275	215	228 0	255	187	0 0	0	0	0
1300	146 0	144 0	182 0	193 0	0 0	0 0	251 0	273	231	249 2	270	220	247 0	263	222	229 0	249	200	0 0	0	0	0
1400	131 0	129 0	181 0	186 0	0 0	0 0	250 0	293	217	250 2	275	182	248 0	275	213	232 0	254	188	0 0	0	0	0
1500	120 0	120 0	160 0	170 0	0 0	0 0	250 0	273	225	248 2	270	215	250 0	279	200	233 0	250	180	0 0	0	0	0
1600	94 0	90 0	155 0	161 0	0 0	0 0	248 0	276	224	244 2	273	185	262 0	270	247	246 0	253	229	0 0	0	0	0
1700	78 0	79 0	127 0	136 0	0 0	0 0	259 0	296	220	255 2	275	210	268 0	300	241	251 0	292	219	0 0	0	0	0
1800	96 0	91 0	137 0	132 0	0 0	0 0	37 0	84	1	54 2	172	0	37 0	75	13	16 0	50	350	0 0	0	0	0
1900	73 0	74 0	110 0	111 0	0 0	0 0	45 0	74	16	124 2	174	0	41 0	61	12	23 0	52	355	0 0	0	0	0
2000	84 0	85 0	123 0	121 0	0 0	0 0	43 0	72	15	97 2	174	0	44 0	65	14	24 0	54	358	0 0	0	0	0
2100	86 0	85 0	125 0	123 0	0 0	0 0	42 0	69	16	139 2	174	86	39 0	73	18	19 0	49	351	0 0	0	0	0
2200	87 0	90 0	121 0	126 0	0 0	0 0	59 0	81	16	124 2	178	86	50 0	75	24	31 0	54	6	0 0	0	0	0
2300	81 0	87 0	113 0	129 0	0 0	0 0	61 0	91	33	111 2	174	86	60 0	86	45	42 0	66	17	0 0	0	0	0
2400	64 0	65 0	98 0	113 0	0 0	0 0	69 0	115	37	105 2	174	86	66 0	92	43	48 0	80	26	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	732 0	725 0	774 0	768 0	329 0	320 0	43 0	43 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
200	729 0	721 0	747 0	741 0	329 0	320 0	18 0	18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
300	729 0	723 0	743 0	743 0	329 0	320 0	18 0	18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
400	726 0	720 0	739 0	734 0	329 0	320 0	13 0	14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
500	727 0	721 0	739 0	732 0	329 0	320 0	11 0	11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
600	732 0	727 0	738 0	732 0	329 0	320 0	5 0	5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
700	734 0	729 0	727 0	721 0	329 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
800	754 0	748 0	743 0	738 0	329 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
900	781 0	775 0	766 0	761 0	329 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1000	792 0	786 0	775 0	772 0	329 0	320 0	-16 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1100	806 0	801 0	784 0	781 0	329 0	320 0	-22 0	-20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1200	803 0	802 0	792 0	788 0	329 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1300	820 0	813 0	805 0	801 0	329 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1400	845 0	840 0	829 0	826 0	329 0	320 0	-14 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1500	862 0	856 0	851 0	847 0	329 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1600	869 0	864 0	565 0	862 0	329 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1700	882 0	876 0	867 0	864 0	329 0	320 0	-13 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1800	813 0	808 0	802 0	799 0	329 0	320 0	-9 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
1900	801 0	793 0	790 0	784 0	329 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2000	775 0	768 0	770 0	763 0	329 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2100	770 0	765 0	765 0	761 0	329 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	86 6
2200	772 0	766 0	770 0	763 0	329 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2300	765 0	757 0	765 0	757 0	329 0	320 0	9 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0
2400	737 0	732 0	745 0	739 0	329 0	320 0	5 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	87 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	50 B	S	WIND DIR2	MIN	MAX	150A	S	WIND DIR3	MIN	MAX	150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	67	0	74	0	111	0	131	0	0	0	0	0	73	0	91	51		97	2	170	86		66	0	86	50		49	0	72	32		0	0	0	0	0	0
200	85	0	85	0	136	0	139	0	0	0	0	0	82	0	123	61		110	2	179	86		79	0	102	58		61	0	77	43		0	0	0	0	0	0
300	83	0	87	0	140	0	144	0	0	0	0	0	89	0	105	68		127	2	174	86		83	0	99	67		65	0	82	49		0	0	0	0	0	0
400	109	0	104	0	165	0	162	0	0	0	0	0	91	0	110	70		156	2	174	91		87	0	98	79		69	0	81	51		0	0	0	0	0	0
500	96	0	92	0	168	0	161	0	0	0	0	0	99	0	112	87		176	2	171	170		91	0	96	87		75	0	79	71		0	0	0	0	0	0
600	97	0	95	0	180	0	174	0	0	0	0	0	97	0	110	85		172	2	174	170		92	0	94	91		77	0	77	75		0	0	0	0	0	0
700	67	0	64	0	117	0	115	0	0	0	0	0	92	0	114	71		176	2	170	170		89	0	102	69		72	0	88	53		0	0	0	0	0	0
800	66	0	70	0	93	0	99	0	0	0	0	0	75	0	107	47		152	2	178	86		77	0	99	58		60	0	79	44		0	0	0	0	0	0
900	74	1	78	0	89	0	102	0	0	0	0	0	68	0	129	30		120	2	174	96		67	0	127	36		49	0	110	23		0	0	0	0	0	0
1000	92	0	94	0	125	0	131	0	0	0	0	0	64	0	113	23		112	2	174	86		63	0	128	16		44	0	116	355		0	0	0	0	0	0
1100	76	0	70	0	115	0	111	0	0	0	0	0	20	0	87	274		104	2	6	0		15	0	57	324		355	0	43	307		0	0	0	0	0	0
1200	103	0	106	0	152	0	147	0	0	0	0	0	28	0	67	312		131	2	174	0		29	0	63	315		9	0	45	324		0	0	0	0	0	0
1300	117	0	114	0	169	0	164	0	0	0	0	0	34	0	91	355		147	2	179	3		26	0	53	351		6	0	49	329		0	0	0	0	0	0
1400	104	0	101	0	144	0	143	0	0	0	0	0	22	0	73	343		141	2	174	0		14	0	47	339		336	0	76	317		0	0	0	0	0	0
1500	72	0	74	0	147	0	143	0	0	0	0	0	-10	0	79	291		92	2	174	0		9	0	49	323		348	0	73	294		0	0	0	0	0	0
1600	124	0	123	0	184	0	178	0	0	0	0	0	22	0	59	312		132	2	176	0		16	0	45	343		356	0	31	313		0	0	0	0	0	0
1700	117	0	112	0	164	0	154	0	0	0	0	0	32	0	95	3		145	2	174	0		22	0	52	356		2	0	31	332		0	0	0	0	0	0
1800	99	0	93	0	136	0	130	0	0	0	0	0	30	0	82	359		159	2	174	86		25	0	53	351		6	0	62	326		0	0	0	0	0	0
1900	79	0	74	0	109	0	109	0	0	0	0	0	33	0	72	0		153	2	174	86		27	0	51	2		7	0	64	338		0	0	0	0	0	0
2000	66	0	69	0	102	0	103	0	0	0	0	0	47	0	78	20		139	2	92	86		41	0	61	21		23	0	49	6		0	0	0	0	0	0
2100	48	0	48	0	73	0	78	0	0	0	0	0	43	0	74	22		147	2	174	96		45	0	61	28		25	0	47	11		0	0	0	0	0	0
2200	43	0	42	0	70	0	81	0	0	0	0	0	85	0	100	64		171	2	174	90		66	0	78	54		48	0	61	28		0	0	0	0	0	0
2300	53	0	56	0	86	0	99	0	0	0	0	0	88	0	104	75		172	2	174	170		66	0	77	56		49	0	65	39		0	0	0	0	0	0
2400	65	0	62	0	98	0	104	0	0	0	0	0	82	0	99	72		172	2	174	170		75	0	81	69		57	0	63	51		0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	727	0	721	0	732	0	725	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
200	714	0	707	0	718	0	711	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
300	691	0	684	0	693	0	699	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
400	664	0	657	0	669	0	666	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
500	637	0	631	0	657	0	653	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
600	624	0	619	0	655	0	651	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
700	642	0	637	0	649	0	642	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
800	691	0	687	0	669	0	664	0	320	0	320	0	-22	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
900	734	0	732	0	711	0	707	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1000	756	0	752	0	727	0	721	0	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1100	765	0	763	0	741	0	734	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1200	763	0	759	0	745	0	739	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1300	759	0	757	0	739	0	732	0	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	86	6
1400	757	0	754	0	736	0	730	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1500	772	0	768	0	734	0	730	0	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1600	747	0	741	0	725	0	721	0	320	0	320	0	-23	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1700	741	0	736	0	720	0	714	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1800	729	0	725	0	718	0	712	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1900	703	0	696	0	694	0	689	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2000	693	0	685	0	689	0	682	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2100	680	0	673	0	687	0	690	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	88	0
2200	667	0	658	0	687	0	682	0	320	0	320	0	20	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	6
2300	660	0	653	0	679	0	673	0	320	0	320	0	19	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2400	646	0	639	0	667	0	662	0	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	48	0	47	0	86	0	90	0	0	0	0	0	96	0	98	76	172	2	174	170	80	0	86	75	63	0	72	58	0	0	0	0	0	0
200	61	0	54	0	95	0	94	0	0	0	0	0	113	0	133	97	173	2	174	170	110	0	124	103	94	0	113	98	0	0	0	0	0	0
300	74	0	72	0	117	0	123	0	0	0	0	0	125	0	131	118	172	2	174	170	130	0	134	126	116	0	120	110	0	0	0	0	0	0
400	73	0	80	0	143	0	147	0	0	0	0	0	125	0	141	115	172	2	174	170	144	0	148	135	129	0	133	121	0	0	0	0	0	0
500	66	0	65	0	146	0	151	0	0	0	0	0	132	0	173	96	172	2	174	170	157	0	171	140	143	0	155	122	0	0	0	0	0	0
600	59	0	59	0	133	0	140	0	0	0	0	0	138	0	185	93	172	2	174	170	162	0	173	142	148	0	157	127	0	0	0	0	0	0
700	54	0	59	0	117	0	121	0	0	0	0	0	138	0	176	89	180	2	174	89	165	0	184	148	150	0	176	137	0	0	0	0	0	0
800	57	0	54	0	113	0	106	0	0	0	0	0	163	0	245	93	176	2	165	164	171	0	221	130	161	0	214	114	0	0	0	0	0	0
900	45	0	43	0	78	0	70	0	0	0	0	0	189	0	261	105	147	2	170	86	164	0	244	113	172	0	255	91	0	0	0	0	0	0
1000	55	0	46	0	103	0	39	0	0	0	0	0	195	0	263	128	157	2	174	86	199	0	227	155	184	0	216	153	0	0	0	0	0	0
1100	72	0	68	0	105	0	98	0	0	0	0	0	232	0	275	183	119	2	174	86	222	0	276	181	204	0	261	115	0	0	0	0	0	0
1200	64	0	55	0	110	0	100	0	0	0	0	0	205	0	257	122	138	2	174	74	197	0	248	130	186	0	250	97	0	0	0	0	0	0
1300	73	0	67	0	141	0	121	0	0	0	0	0	201	0	269	126	193	2	264	91	200	0	240	107	187	0	258	116	0	0	0	0	0	0
1400	77	0	67	0	146	0	124	0	0	0	0	0	195	0	265	109	192	2	264	96	194	0	239	135	178	0	228	99	0	0	0	0	0	0
1500	85	0	75	0	169	0	142	0	0	0	0	0	193	0	261	99	182	2	264	91	194	0	228	125	179	0	208	131	0	0	0	0	0	0
1600	98	0	77	0	188	0	150	0	0	0	0	0	199	0	258	99	198	2	264	94	201	0	223	172	188	0	213	153	0	0	0	0	0	0
1700	77	0	66	0	137	0	123	0	0	0	0	0	222	0	265	169	221	2	266	168	216	0	240	173	201	0	225	163	0	0	0	0	0	0
1800	77	0	65	0	149	0	129	0	0	0	0	0	213	0	262	167	212	2	267	165	213	0	249	180	199	0	225	159	0	0	0	0	0	0
1900	70	0	59	0	134	0	116	0	0	0	0	0	195	0	259	128	193	2	264	135	201	0	226	170	187	0	209	157	0	0	0	0	0	0
2000	75	0	70	0	174	0	143	0	0	0	0	0	171	0	246	127	166	2	174	87	189	0	203	167	173	0	190	157	0	0	0	0	0	0
2100	65	0	64	0	168	0	145	0	0	0	0	0	161	0	213	112	159	2	174	86	184	0	204	165	170	0	190	155	0	0	0	0	0	0
2200	98	0	81	0	193	0	169	0	0	0	0	0	202	0	255	117	147	2	179	86	206	0	232	169	192	0	221	153	0	0	0	0	0	0
2300	175	0	168	0	280	0	235	0	0	0	0	0	238	0	269	208	106	2	173	86	239	0	261	198	222	0	249	179	0	0	0	0	0	0
2400	204	0	199	0	315	0	333	0	0	0	0	0	245	0	265	199	190	2	172	86	250	0	262	230	233	0	243	217	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	651	0	646	0	664	0	658	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
200	651	0	644	0	653	0	648	0	320	0	320	0	3	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
300	635	0	630	0	655	0	649	0	320	0	320	0	19	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
400	633	0	628	0	642	0	637	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
500	633	0	629	0	637	0	631	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	86	6
600	637	0	630	0	639	0	633	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
700	639	0	635	0	639	0	635	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	90	0
800	689	0	685	0	662	0	658	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	6
900	733	0	736	0	711	0	705	0	320	0	320	0	-27	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1000	756	0	752	0	721	0	716	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	86	6
1100	777	0	774	0	750	0	745	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1200	822	0	817	0	777	0	772	0	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	86	6
1300	820	0	815	0	781	0	775	0	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1400	829	0	824	0	793	0	790	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	86	6
1500	835	0	827	0	811	0	806	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1600	842	0	837	0	824	0	819	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1700	849	0	844	0	835	0	829	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1800	856	0	851	0	844	0	838	0	320	0	320	0	-13	0	-13	0	-0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1900	819	0	813	0	824	0	820	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2000	752	0	745	0	792	0	786	0	320	0	320	0	40	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2100	721	0	714	0	747	0	741	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2200	721	0	718	0	741	0	734	0	320	0	320	0	19	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	91	0
2300	765	0	759	0	770	0	765	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	91	0
2400	748	0	743	0	750	0	745	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	91	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND DIR1 MIN	WIND DIR1 MAX	WIND DIR2	WIND DIR2 MIN 150A S	WIND DIR2 MAX	WIND DIR3	WIND DIR3 MIN 150B S	WIND DIR3 MAX	WIND DIR4	WIND DIR4 MIN S	WIND DIR4 MAX	WIND DIR5	WIND DIR5 MIN S	WIND DIR5 MAX	WIND DIR6
100	152 0	151 0	256 0	275 0	0 0	0 0	255 0	283	221	121 2	176	86	261 0	283	242	244 0	267	224	0 0	0	0	0
200	184 0	183 0	265 0	277 0	0 0	0 0	275 0	312	240	141 2	174	87	286 0	326	248	267 0	305	238	0 0	0	0	0
300	193 0	189 0	267 0	270 0	0 0	0 0	312 0	338	288	172 2	175	170	329 0	338	316	301 0	315	293	0 0	0	0	0
400	166 0	161 0	255 0	253 0	0 0	0 0	314 0	335	293	172 2	175	170	327 0	349	315	304 0	324	295	0 0	0	0	0
500	154 0	145 0	234 0	235 0	0 0	0 0	318 0	344	288	172 2	175	170	336 0	14	308	312 0	333	297	0 0	0	0	0
600	143 0	142 0	216 0	217 0	0 0	0 0	319 0	347	261	173 2	175	170	332 0	4	318	309 0	337	289	0 0	0	0	0
700	142 0	137 0	194 0	200 0	0 0	0 0	311 0	347	276	173 2	177	170	322 0	347	308	299 0	326	297	0 0	0	0	0
800	178 0	174 0	242 0	246 0	0 0	0 0	307 0	332	284	173 2	175	170	317 0	327	308	293 0	301	286	0 0	0	0	0
900	209 0	196 0	280 0	284 0	0 0	0 0	307 0	322	284	173 2	175	170	315 0	322	308	292 0	299	284	0 0	0	0	0
1000	230 0	221 0	326 0	326 0	0 0	0 0	303 0	317	283	174 2	178	171	314 0	320	309	290 0	297	284	0 0	0	0	0
1100	214 0	210 0	307 0	291 0	0 0	0 0	319 0	3	276	173 2	178	170	335 0	3	310	313 0	356	285	0 0	0	0	0
1200	187 0	173 0	280 0	272 0	0 0	0 0	339 0	25	289	173 2	175	170	347 0	12	320	325 0	349	304	0 0	0	0	0
1300	92 0	97 0	194 0	198 0	0 0	0 0	1 0	94	272	173 2	179	170	2 0	52	316	341 0	50	235	0 0	0	0	0
1400	143 0	134 0	224 0	219 0	0 0	0 0	25 0	56	332	173 2	174	170	18 0	55	346	2 0	83	328	0 0	0	0	0
1500	137 0	134 0	207 0	209 0	0 0	0 0	25 0	55	359	173 2	176	170	22 0	51	343	4 0	115	329	0 0	0	0	0
1600	77 0	75 0	117 0	113 0	0 0	0 0	40 0	71	24	173 2	174	170	38 0	55	19	18 0	35	4	0 0	0	0	0
1700	143 0	142 0	212 0	201 0	0 0	0 0	35 0	89	298	173 2	181	170	32 0	70	9	14 0	96	329	0 0	0	0	0
1800	164 0	154 0	209 0	203 0	0 0	0 0	35 0	58	10	173 2	175	170	34 0	61	16	16 0	67	350	0 0	0	0	0
1900	101 0	105 0	140 0	151 0	0 0	0 0	49 0	89	19	173 2	175	170	42 0	79	9	32 0	73	355	0 0	0	0	0
2000	80 0	84 0	106 0	118 0	0 0	0 0	57 0	88	33	172 2	175	170	57 0	86	30	41 0	73	10	0 0	0	0	0
2100	74 0	78 0	104 0	117 0	0 0	0 0	56 0	86	30	173 2	174	170	55 0	96	23	36 0	73	5	0 0	0	0	0
2200	92 0	98 0	131 0	142 0	0 0	0 0	53 0	87	17	172 2	174	170	50 0	81	23	32 0	63	1	0 0	0	0	0
2300	62 0	63 0	91 0	94 0	0 0	0 0	42 0	68	4	173 2	174	170	46 0	79	28	28 0	60	7	0 0	0	0	0
2400	63 0	62 0	106 0	107 0	0 0	0 0	42 0	79	12	173 2	174	170	43 0	63	16	25 0	43	5	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	734 0	727 0	736 0	729 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	92 0
200	732 0	732 0	739 0	734 0	320 0	320 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	92 0
300	720 0	714 0	716 0	711 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
400	703 0	703 0	703 0	700 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
500	696 0	691 0	689 0	684 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
600	680 0	673 0	675 0	669 0	320 0	320 0	-9 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
700	680 0	675 0	673 0	667 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
800	671 0	666 0	664 0	658 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
900	653 0	653 0	651 0	648 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
1000	671 0	666 0	662 0	657 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
1100	693 0	687 0	682 0	678 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
1200	682 0	674 0	676 0	671 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
1300	687 0	682 0	675 0	667 0	320 0	320 0	-14 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
1400	689 0	684 0	676 0	673 0	320 0	320 0	-13 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
1500	694 0	691 0	680 0	675 0	320 0	320 0	-14 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
1600	621 0	615 0	619 0	615 0	320 0	320 0	-2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
1700	671 0	666 0	662 0	658 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
1800	660 0	655 0	653 0	648 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
1900	657 0	651 0	646 0	642 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
2000	651 0	646 0	644 0	639 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
2100	648 0	640 0	642 0	637 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
2200	651 0	646 0	645 0	640 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
2300	626 0	619 0	626 0	621 0	320 0	320 0	0 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
2400	615 0	608 0	615 0	610 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	66	0	67	0	114	0	120	0	0	0	0	0	47	0	79	21	173	2	174	170	48	0	61	30	29	0	49	10	0	0	0	0	0	0
200	75	0	74	0	133	0	129	0	0	0	0	0	41	0	58	23	173	2	175	170	43	0	58	30	25	0	43	11	0	0	0	0	0	0
300	61	0	66	0	110	0	124	0	0	0	0	0	52	0	71	37	172	2	175	170	53	0	61	43	34	0	47	25	0	0	0	0	0	0
400	67	0	67	0	115	0	117	0	0	0	0	0	44	1	69	24	173	2	175	170	48	0	58	33	28	0	37	5	0	0	0	0	0	0
500	45	0	56	0	100	0	115	0	0	0	0	0	60	1	71	50	173	2	175	170	55	0	59	51	36	0	43	30	0	0	0	0	0	0
600	53	0	65	0	115	0	125	0	0	0	0	0	67	0	82	54	173	2	175	170	59	0	64	53	43	0	49	32	0	0	0	0	0	0
700	56	0	64	0	97	0	121	0	0	0	0	0	63	1	79	46	173	2	175	170	55	0	59	50	36	0	41	28	0	0	0	0	0	0
800	52	0	54	0	63	0	79	0	0	0	0	0	72	0	102	60	172	2	175	170	70	0	93	55	53	0	74	33	0	0	0	0	0	0
900	47	0	50	0	61	0	66	0	0	0	0	0	84	1	127	50	173	2	181	170	78	0	103	57	61	0	79	35	0	0	0	0	0	0
1000	65	0	66	0	77	0	83	0	0	0	0	0	80	0	103	36	172	2	174	170	81	0	123	47	65	0	100	29	0	0	0	0	0	0
1100	82	0	78	0	99	0	98	0	0	0	0	0	348	0	33	303	171	2	187	154	5	0	33	325	344	0	35	310	0	0	0	0	0	0
1200	81	0	78	0	113	0	112	0	0	0	0	0	345	0	90	286	163	2	179	90	6	0	41	333	345	0	71	311	0	0	0	0	0	0
1300	93	0	92	0	126	0	112	0	0	0	0	0	343	1	43	296	167	2	187	91	2	0	40	306	344	0	120	292	0	0	0	0	0	0
1400	74	0	71	0	113	0	107	0	0	0	0	0	349	0	85	285	168	2	188	90	357	0	32	314	340	0	29	305	0	0	0	0	0	0
1500	75	0	68	0	119	0	116	0	0	0	0	0	349	0	42	280	162	2	175	86	0	0	41	325	339	0	18	300	0	0	0	0	0	0
1600	78	0	75	0	123	0	122	0	0	0	0	0	8	0	60	279	164	2	175	89	8	0	45	332	349	0	26	296	0	0	0	0	0	0
1700	80	0	75	0	122	0	120	0	0	0	0	0	26	0	82	320	164	2	175	87	17	0	54	334	359	0	97	323	0	0	0	0	0	0
1800	91	0	90	0	120	0	112	0	0	0	0	0	32	0	77	344	166	2	175	86	23	0	54	325	8	0	122	329	0	0	0	0	0	0
1900	75	0	74	0	99	0	97	0	0	0	0	0	38	0	79	9	162	2	175	86	38	0	63	14	19	0	49	353	0	0	0	0	0	0
2000	65	0	64	0	104	0	102	0	0	0	0	0	42	0	67	7	172	2	175	170	40	0	63	23	21	0	55	353	0	0	0	0	0	0
2100	45	0	50	0	75	0	86	0	0	0	0	0	71	1	82	56	172	2	175	170	58	0	69	48	41	0	51	26	0	0	0	0	0	0
2200	62	0	58	0	91	0	101	0	0	0	0	0	93	1	109	79	173	2	175	170	77	0	82	68	60	0	65	52	0	0	0	0	0	0
2300	64	0	60	0	117	0	121	0	0	0	0	0	91	0	103	82	172	2	175	170	80	0	85	75	63	0	67	59	0	0	0	0	0	0
2400	73	0	69	0	123	0	122	0	0	0	0	0	96	0	109	74	172	2	175	170	85	0	92	78	68	0	77	60	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	595	0	588	0	612	0	606	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
200	592	0	592	0	610	0	606	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
300	583	0	581	0	612	0	606	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
400	590	0	583	0	606	0	603	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
500	565	0	559	0	612	0	606	0	320	0	320	0	47	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
600	561	0	558	0	615	0	610	0	320	0	320	0	52	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
700	590	0	585	0	622	0	617	0	320	0	320	0	34	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
800	655	0	651	0	626	0	621	0	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
900	678	0	675	0	658	0	653	0	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1000	720	0	718	0	689	0	694	0	320	0	320	0	-31	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1100	714	0	711	0	707	0	702	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1200	723	0	714	0	709	0	703	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1300	730	0	729	0	711	0	702	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1400	730	0	727	0	703	0	700	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1500	734	0	729	0	702	0	698	0	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1600	723	0	720	0	700	0	694	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1700	720	0	714	0	698	0	693	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1800	707	0	702	0	693	0	689	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1900	685	0	678	0	676	0	673	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
2000	657	0	649	0	657	0	651	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
2100	622	0	617	0	651	0	646	0	320	0	320	0	29	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
2200	630	0	621	0	646	0	640	0	320	0	320	0	16	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
2300	621	0	612	0	651	0	648	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
2400	619	0	612	0	656	0	649	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1	S	WIND SPD2	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50 A		S		150A		S		150B		S				S				S	
100	79	0	75	0	133	0	133	0	0	0	0	0	102	7	115	103	173	2	175	170	91	0	98	88	75	0	82	71	0	0	0	0	0	0
200	73	0	67	0	127	0	128	0	0	0	0	0	116	3	123	109	173	2	175	170	106	0	110	103	90	0	95	88	0	0	0	0	0	0
300	64	0	61	0	113	0	117	0	0	0	0	0	123	7	125	115	173	2	175	170	129	0	137	125	116	0	123	110	0	0	0	0	0	0
400	74	0	72	0	130	0	133	0	0	0	0	0	127	7	133	120	172	2	175	170	145	0	149	139	131	0	134	124	0	0	0	0	0	0
500	53	0	64	0	136	0	140	0	0	0	0	0	128	7	142	4	173	2	175	170	153	0	162	148	139	0	148	134	0	0	0	0	0	0
600	60	0	59	0	144	0	117	0	0	0	0	0	155	7	180	133	173	2	175	170	190	0	193	182	175	0	183	167	0	0	0	0	0	0
700	42	0	39	0	135	0	112	0	0	0	0	0	133	7	174	101	173	2	175	170	185	0	191	179	171	0	176	165	0	0	0	0	0	0
800	28	0	27	0	67	0	64	0	0	0	0	0	119	7	179	60	173	2	175	170	173	0	198	138	160	0	204	123	0	0	0	0	0	0
900	35	0	29	0	42	0	38	0	0	0	0	0	203	7	253	137	160	2	179	86	178	0	223	97	168	0	221	93	0	0	0	0	0	0
1000	60	0	58	0	67	0	71	0	0	0	0	0	260	0	309	233	143	2	175	86	261	0	299	221	244	0	268	214	0	0	0	0	0	0
1100	50	0	48	0	63	0	56	0	0	0	0	0	282	7	340	242	148	2	175	86	291	0	327	238	271	0	323	229	0	0	0	0	0	0
1200	72	0	71	0	88	0	90	0	0	0	0	0	302	7	321	265	133	2	175	86	315	0	333	303	293	0	310	270	0	0	0	0	0	0
1300	86	0	80	0	104	0	107	0	0	0	0	0	307	7	338	274	130	2	175	86	321	0	346	305	298	0	319	276	0	0	0	0	0	0
1400	57	0	53	0	88	0	91	0	0	0	0	0	321	0	25	273	153	2	175	86	332	0	14	277	311	0	337	276	0	0	0	0	0	0
1500	67	0	68	0	87	0	89	0	0	0	0	0	327	7	10	282	147	2	179	86	342	0	8	312	321	0	347	291	0	0	0	0	0	0
1600	63	0	65	0	85	0	87	0	0	0	0	0	336	7	32	286	161	2	175	90	354	0	36	320	331	0	7	304	0	0	0	0	0	0
1700	45	0	44	0	72	0	73	0	0	0	0	0	7	7	171	270	153	2	175	86	4	0	74	309	342	0	21	290	0	0	0	0	0	0
1800	46	0	46	0	54	0	54	0	0	0	0	0	31	0	94	331	158	2	175	86	16	0	53	332	357	0	37	309	0	0	0	0	0	0
1900	24	0	25	0	37	0	38	0	0	0	0	0	45	3	78	352	131	2	175	86	36	0	56	19	17	0	43	358	0	0	0	0	0	0
2000	37	0	38	0	48	0	50	0	0	0	0	0	73	7	86	71	172	2	175	170	75	0	85	67	57	0	68	50	0	0	0	0	0	0
2100	32	0	41	0	52	0	59	0	0	0	0	0	76	0	97	60	166	2	175	86	67	0	75	57	50	0	58	43	0	0	0	0	0	0
2200	66	0	62	0	82	0	82	0	0	0	0	0	91	0	103	78	173	2	175	170	86	0	91	81	69	0	75	65	0	0	0	0	0	0
2300	53	0	53	0	79	0	82	0	0	0	0	0	117	7	123	111	173	2	175	170	146	0	153	136	133	0	140	122	0	0	0	0	0	0
2400	57	0	55	0	112	0	97	0	0	0	0	0	146	7	257	119	173	2	175	170	178	0	184	170	163	0	168	157	0	0	0	0	0	0

	AMB. TEM1	S	AMB. TEM2	S	AMB. TEM5	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S		S	
100	619	0	612	0	666	0	660	0	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
200	621	0	615	0	676	0	669	0	320	0	320	0	52	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
300	621	0	615	0	653	0	653	0	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
400	603	0	597	0	643	0	646	0	320	0	320	0	47	3	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
500	583	0	577	0	642	0	637	0	320	0	320	0	59	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
600	583	0	576	0	660	0	655	0	320	0	320	0	76	7	77	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
700	597	0	592	0	642	0	637	0	320	0	320	0	47	7	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
800	671	0	667	0	642	0	637	0	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
900	718	0	714	0	703	0	698	0	320	0	320	0	-15	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
1000	723	0	718	0	729	0	725	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
1100	743	0	738	0	720	0	716	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
1200	761	7	757	0	723	7	716	0	320	0	320	0	-40	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
1300	765	0	761	0	723	0	718	0	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
1400	775	0	772	0	736	0	730	0	320	0	320	0	-41	7	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
1500	774	0	770	0	733	0	730	0	320	0	320	0	-33	7	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
1600	761	0	757	0	734	0	730	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
1700	774	0	770	0	743	7	739	0	320	0	320	0	-32	7	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
1800	761	0	757	0	746	7	739	0	320	0	320	0	-16	7	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
1900	738	0	730	0	729	0	723	0	320	0	320	0	-9	7	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
2000	685	0	678	0	721	7	716	0	320	0	320	0	38	7	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
2100	676	0	669	0	716	3	711	0	320	0	320	0	43	3	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
2200	676	3	667	0	713	3	712	0	320	0	320	0	43	3	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
2300	651	0	642	0	696	0	691	0	320	0	320	0	47	7	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
2400	622	0	617	0	721	0	716	0	320	3	320	0	99	3	101	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	52	0	49	0	120	0	101	0	0	0	0	0	185	0	239	149	173	2	186	170	202	0	206	199	197	0	198	191	0	0	0	0	0	0	0	0
200	57	0	47	0	117	0	106	0	0	0	0	0	199	0	242	163	173	2	175	170	214	0	227	209	200	0	219	191	0	0	0	0	0	0	0	0
300	54	0	52	0	113	0	82	0	0	0	0	0	181	0	224	136	173	2	175	170	196	0	203	191	181	0	190	176	0	0	0	0	0	0	0	0
400	53	0	51	0	109	0	79	0	0	0	0	0	175	0	209	123	173	2	175	170	200	0	215	190	186	0	204	176	0	0	0	0	0	0	0	0
500	58	0	52	0	111	0	91	0	0	0	0	0	147	0	172	116	173	2	175	170	179	0	190	169	166	0	179	156	0	0	0	0	0	0	0	0
600	47	0	49	0	125	0	114	0	0	0	0	0	129	0	155	109	173	2	175	170	176	0	187	165	163	0	171	153	0	0	0	0	0	0	0	0
700	53	0	50	0	154	0	129	0	0	0	0	0	150	0	192	110	173	2	175	170	187	0	199	174	173	0	184	165	0	0	0	0	0	0	0	0
800	51	0	45	0	124	0	103	0	0	0	0	0	165	0	243	112	173	2	175	170	192	0	214	170	178	0	192	158	0	0	0	0	0	0	0	0
900	41	0	38	0	98	0	86	0	0	0	0	0	165	0	230	95	173	2	175	170	183	0	210	159	169	0	198	142	0	0	0	0	0	0	0	0
1000	37	0	34	0	76	0	69	0	0	0	0	0	173	0	265	100	173	2	175	165	184	0	235	148	170	0	219	141	0	0	0	0	0	0	0	0
1100	61	0	59	0	72	0	77	0	0	0	0	0	255	0	284	229	147	2	175	86	258	0	282	241	242	0	261	232	0	0	0	0	0	0	0	0
1200	65	0	63	0	71	0	77	0	0	0	0	0	271	0	298	234	132	2	175	86	266	0	286	197	248	0	274	214	0	0	0	0	0	0	0	0
1300	66	0	63	0	79	0	83	0	0	0	0	0	275	0	312	222	113	2	175	86	287	0	331	243	268	0	310	214	0	0	0	0	0	0	0	0
1400	73	0	67	0	94	0	98	0	0	0	0	0	300	0	352	267	111	2	175	86	306	0	316	297	284	0	295	266	0	0	0	0	0	0	0	0
1500	64	0	61	0	77	0	79	0	0	0	0	0	302	0	4	271	106	2	175	86	319	0	339	284	296	0	320	259	0	0	0	0	0	0	0	0
1600	48	0	44	0	65	0	65	0	0	0	0	0	297	0	346	211	108	2	175	86	327	0	12	296	305	0	339	278	0	0	0	0	0	0	0	0
1700	55	0	50	0	69	0	73	0	0	0	0	0	293	0	356	229	35	2	137	255	303	0	318	277	282	0	302	234	0	0	0	0	0	0	0	0
1800	29	0	28	0	45	0	47	0	0	0	0	0	313	3	356	220	32	2	141	272	324	0	1	282	304	0	343	274	0	0	0	0	0	0	0	0
1900	13	0	14	0	16	0	19	0	0	0	0	0	170	0	213	146	170	2	175	131	237	5	258	219	223	5	247	207	0	0	0	0	0	0	0	0
2000	34	0	34	0	62	0	65	0	0	0	0	0	136	0	164	109	159	2	175	86	151	0	155	146	139	0	143	135	0	0	0	0	0	0	0	0
2100	53	0	55	0	100	0	106	0	0	0	0	0	128	0	140	116	144	2	175	86	143	0	151	136	131	0	139	124	0	0	0	0	0	0	0	0
2200	55	0	58	0	133	0	140	0	0	0	0	0	130	0	145	114	166	2	175	90	145	0	150	141	133	0	139	130	0	0	0	0	0	0	0	0
2300	45	0	47	0	114	0	119	0	0	0	0	0	130	0	161	90	171	2	175	93	158	0	165	152	146	0	152	140	0	0	0	0	0	0	0	0
2400	46	0	45	0	113	0	99	0	0	0	0	0	147	0	185	115	171	2	175	165	183	0	195	174	169	0	178	160	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	649	0	642	0	720	0	714	0	320	0	320	0	70	0	72	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
200	657	0	651	0	715	0	711	0	320	0	320	0	59	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
300	648	0	640	0	695	0	691	0	320	0	320	0	50	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
400	640	0	635	0	687	0	685	0	320	0	320	0	49	0	50	0	0	0	0	0	321	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
500	628	0	622	0	667	0	662	0	320	0	320	0	40	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
600	604	0	599	0	649	0	646	0	320	0	320	0	45	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
700	621	0	613	0	669	0	658	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
800	653	0	648	0	666	0	662	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
900	691	0	697	0	675	0	673	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1000	723	0	718	0	696	0	691	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1100	730	0	725	0	716	0	714	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1200	775	0	772	0	757	0	757	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1300	770	0	766	0	747	0	743	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1400	799	0	793	0	746	0	741	0	320	0	320	0	-52	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1500	811	0	808	0	765	0	761	0	320	0	320	0	-47	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1600	811	0	808	0	775	0	772	0	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1700	819	0	815	0	779	0	775	0	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1800	801	0	795	0	781	0	777	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1900	763	0	754	0	757	0	752	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
2000	745	0	738	0	763	0	757	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
2100	720	0	712	0	754	0	748	0	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
2200	714	0	709	0	745	0	739	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
2300	707	0	700	0	745	0	739	0	320	0	320	0	34	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
2400	689	0	680	0	725	0	720	0	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	57	0	49	0	112	0	104	0	0	0	0	0	182	0	255	100	165	2	175	90	197	0	221	165	184	0	206	154	0	0	0	0	0	0	0	0
200	45	0	41	0	115	0	98	0	0	0	0	0	179	0	241	113	166	2	175	86	199	0	231	171	183	0	204	154	0	0	0	0	0	0	0	0
300	44	0	42	0	107	0	90	0	0	0	0	0	172	0	214	134	170	2	175	90	202	0	220	187	187	0	201	170	0	0	0	0	0	0	0	0
400	44	0	43	0	108	0	91	0	0	0	0	0	169	0	210	126	173	2	175	170	202	0	209	193	188	0	197	180	0	0	0	0	0	0	0	0
500	32	3	36	0	117	0	101	0	0	0	0	0	150	0	215	101	172	2	175	170	188	0	209	175	173	0	195	157	0	0	0	0	0	0	0	0
600	41	0	39	0	115	0	97	0	0	0	0	0	155	0	224	103	173	2	175	170	185	0	202	168	171	0	187	153	0	0	0	0	0	0	0	0
700	37	0	35	0	101	0	85	0	0	0	0	0	141	0	173	105	173	2	175	170	182	0	199	171	168	0	181	152	0	0	0	0	0	0	0	0
800	33	0	27	0	83	0	70	0	0	0	0	0	163	0	266	94	171	2	165	86	186	0	206	145	173	0	191	152	0	0	0	0	0	0	0	0
900	34	0	29	0	54	0	52	0	0	0	0	0	182	0	268	92	142	2	175	2	182	0	225	129	169	0	212	110	0	0	0	0	0	0	0	0
1000	61	0	57	0	70	0	72	0	0	0	0	0	240	0	285	197	111	2	175	75	244	0	292	205	228	0	293	187	0	0	0	0	0	0	0	0
1100	73	0	79	0	92	0	96	0	0	0	0	0	266	0	301	234	99	2	168	75	269	0	298	294	253	0	279	233	0	0	0	0	0	0	0	0
1200	63	0	64	0	75	0	80	0	0	0	0	0	303	0	353	257	67	2	176	287	292	0	331	236	269	0	303	235	0	0	0	0	0	0	0	0
1300	62	0	67	0	81	0	85	0	0	0	0	0	303	0	332	259	294	2	335	252	301	0	321	281	279	0	291	261	0	0	0	0	0	0	0	0
1400	49	0	49	0	65	0	67	0	0	0	0	0	295	0	335	226	290	0	354	224	312	0	334	291	291	0	316	273	0	0	0	0	0	0	0	0
1500	54	0	51	0	82	0	80	0	0	0	0	0	301	0	358	213	295	0	359	229	329	0	5	272	304	0	337	260	0	0	0	0	0	0	0	0
1600	51	0	48	0	70	0	71	0	0	0	0	0	332	0	41	271	330	0	79	271	344	0	35	300	323	0	351	284	0	0	0	0	0	0	0	0
1700	27	0	24	0	34	0	34	0	0	0	0	0	336	3	126	279	338	3	121	273	346	0	63	295	325	0	42	284	0	0	0	0	0	0	0	0
1800	28	0	27	0	39	0	39	0	0	0	0	0	343	3	53	285	341	3	74	274	3	0	56	324	344	0	78	311	0	0	0	0	0	0	0	0
1900	22	0	22	0	37	0	37	0	0	0	0	0	28	3	61	347	25	3	62	340	2	0	30	342	341	0	4	320	0	0	0	0	0	0	0	0
2000	46	0	45	0	37	0	37	0	0	0	0	0	91	0	109	83	90	0	113	79	87	0	101	79	70	0	84	61	0	0	0	0	0	0	0	0
2100	65	0	66	0	86	0	85	0	0	0	0	0	103	0	112	90	104	0	130	86	100	0	102	98	83	0	85	82	0	0	0	0	0	0	0	0
2200	64	0	57	0	90	0	92	0	0	0	0	0	114	0	121	106	117	0	141	98	122	0	129	117	107	0	115	103	0	0	0	0	0	0	0	0
2300	48	0	48	0	132	0	136	0	0	0	0	0	133	0	155	112	135	0	169	85	172	0	174	170	156	0	158	154	0	0	0	0	0	0	0	0
2400	56	0	56	0	149	0	131	0	0	0	0	0	147	0	180	113	148	0	191	113	182	0	190	172	166	0	169	158	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	705	0	698	0	716	0	712	0	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
200	703	0	694	0	711	0	705	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
300	682	0	676	0	707	0	702	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
400	671	0	666	0	709	0	703	0	320	0	320	0	33	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
500	667	0	660	0	691	0	685	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
600	660	0	655	0	684	0	678	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
700	664	0	658	0	676	0	673	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
800	707	0	702	0	693	0	693	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
900	774	0	770	0	739	0	734	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1000	783	0	733	0	763	0	755	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1100	786	0	781	0	781	0	777	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1200	804	0	801	0	783	0	775	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1300	810	0	806	0	774	0	768	0	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
1400	828	0	824	0	793	0	720	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	823	0	824	0	786	0	783	0	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	824	0	819	0	793	0	790	0	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	853	0	855	0	824	0	820	0	320	0	320	0	-32	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	840	0	833	0	819	0	813	0	320	0	320	0	-20	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	788	0	781	0	793	0	788	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	752	0	743	0	777	0	774	0	320	0	320	0	27	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	747	0	739	0	779	0	774	0	320	0	320	0	33	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	727	0	720	0	752	0	754	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	694	0	687	0	775	0	770	0	320	0	320	0	81	0	93	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	682	0	682	0	759	0	754	0	320	0	320	0	78	0	72	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	52	0	50	0	147	0	116	0	0	0	0	0	165	0	217	125	163	0	214	189	195	0	210	183	180	0	191	168	0	0	0	0	0	0
200	49	0	42	0	146	0	116	0	0	0	0	0	170	0	228	125	169	0	234	104	198	0	209	179	183	0	196	167	0	0	0	0	0	0
300	52	0	51	0	151	0	129	0	0	0	0	0	174	0	218	132	172	0	226	116	203	0	207	199	188	0	195	180	0	0	0	0	0	0
400	44	0	42	0	45	0	52	0	0	0	0	0	273	0	321	215	269	0	318	217	260	0	316	212	245	0	299	202	0	0	0	0	0	0
500	55	0	54	0	163	0	134	0	0	0	0	0	163	0	212	127	159	0	227	103	193	0	201	184	177	0	184	171	0	0	0	0	0	0
600	57	0	55	0	162	0	128	0	0	0	0	0	157	0	205	127	156	0	205	108	194	0	203	183	179	0	189	171	0	0	0	0	0	0
700	47	0	43	0	144	0	118	0	0	0	0	0	141	0	195	99	141	0	226	103	188	0	196	177	173	0	181	164	0	0	0	0	0	0
800	43	0	42	0	113	0	102	0	0	0	0	0	139	0	201	91	140	0	220	96	179	0	197	145	167	0	187	131	0	0	0	0	0	0
900	34	0	32	0	74	0	69	0	0	0	0	0	184	0	253	111	180	0	259	106	185	0	226	125	172	0	241	134	0	0	0	0	0	0
1000	24	0	21	0	43	0	41	0	0	0	0	0	232	0	344	182	231	3	347	180	216	0	264	170	201	0	258	158	0	0	0	0	0	0
1100	51	0	48	0	61	0	64	0	0	0	0	0	253	0	302	214	249	0	303	185	237	0	312	199	219	0	264	199	0	0	0	0	0	0
1200	53	0	49	0	61	0	66	0	0	0	0	0	289	0	329	260	234	0	334	244	278	0	304	248	260	0	285	230	0	0	0	0	0	0
1300	65	0	64	0	80	0	86	0	0	0	0	0	295	0	328	271	289	0	355	258	287	0	308	267	266	0	287	249	0	0	0	0	0	0
1400	57	0	54	0	80	0	93	0	0	0	0	0	301	0	339	259	290	0	340	241	307	0	324	300	285	0	302	273	0	0	0	0	0	0
1500	49	0	45	0	64	0	67	0	0	0	0	0	301	0	342	268	295	0	343	233	296	0	313	279	275	0	291	257	0	0	0	0	0	0
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2000	52	0	50	0	63	0	65	0	0	0	0	0	125	0	131	119	128	0	135	121	129	0	135	124	118	0	123	112	0	0	0	0	0	0
2100	49	0	48	0	129	0	134	0	0	0	0	0	139	0	174	119	140	0	175	98	169	0	174	160	156	0	163	147	0	0	0	0	0	0
2200	60	0	58	0	159	0	149	0	0	0	0	0	157	0	206	103	153	0	216	103	179	0	190	169	165	0	172	157	0	0	0	0	0	0
2300	62	0	62	0	151	0	140	0	0	0	0	0	144	0	183	112	146	0	207	103	175	0	185	161	163	0	170	153	0	0	0	0	0	0
2400	65	0	58	0	170	0	142	0	0	0	0	0	159	0	205	112	157	0	224	92	188	0	199	175	173	0	186	160	0	0	0	0	0	0

	AMB. TEMI 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	695	0	689	0	748	0	743	0	320	0	320	0	52	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	683	0	678	0	741	0	736	0	320	0	320	0	58	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	671	0	666	0	747	0	741	0	320	0	320	0	76	0	76	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	820	2	819	2	801	2	797	2	320	0	320	0	-22	2	-22	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	666	0	656	0	730	0	725	0	320	0	320	0	65	0	67	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	664	0	657	0	723	0	718	0	320	0	320	0	61	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	664	0	658	0	712	0	707	0	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	714	0	711	0	709	0	703	0	321	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	783	0	779	0	745	0	739	0	320	0	320	0	-33	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	781	0	775	0	759	0	754	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	813	0	810	0	788	0	784	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	826	0	822	0	822	0	819	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	842	0	838	0	817	0	811	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	869	0	865	0	831	0	828	0	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	874	0	873	0	838	0	835	0	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	815	0	810	0	831	0	824	0	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	781	0	774	0	819	0	804	0	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	766	0	759	0	802	0	797	0	320	0	320	0	35	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	757	0	750	0	786	0	781	0	320	0	320	0	31	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	757	0	750	0	788	0	783	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	61	0	54	0	152	0	137	0	0	0	0	0	147	135	113	0	148	248	95	0	179	0	193	168	0	166	174	157	0	0	0	0	0	0	0	0
200	93	0	87	0	131	0	135	0	0	0	0	0	302	340	241	0	299	344	238	0	319	0	358	275	0	296	338	248	0	0	0	0	0	0	0	0
300	61	0	56	0	141	0	117	0	0	0	0	0	174	259	128	0	174	261	113	0	192	0	214	172	0	178	198	160	0	0	0	0	0	0	0	0
400	82	0	77	0	108	0	113	0	0	0	0	0	250	334	207	0	246	334	195	0	256	0	310	213	0	239	296	203	0	0	0	0	0	0	0	0
500	49	0	48	0	72	0	75	0	0	0	0	0	291	343	239	0	297	334	236	0	282	0	314	238	0	264	291	224	0	0	0	0	0	0	0	0
600	75	0	71	0	112	0	112	0	0	0	0	0	328	123	287	0	321	16	273	0	336	0	21	314	0	315	16	289	0	0	0	0	0	0	0	0
700	82	0	75	0	139	0	136	0	0	0	0	0	235	275	187	0	232	276	181	0	231	0	253	197	0	215	235	190	0	0	0	0	0	0	0	0
800	74	0	67	0	139	0	119	0	0	0	0	0	206	265	137	0	205	267	97	0	206	0	248	179	0	192	215	166	0	0	0	0	0	0	0	0
900	97	0	91	0	199	0	181	0	0	0	0	0	162	244	106	0	161	230	96	0	174	0	197	135	0	162	184	145	0	0	0	0	0	0	0	0
1000	107	0	100	0	228	0	199	0	0	0	0	0	167	229	120	0	164	227	94	0	183	0	206	155	0	170	193	143	0	0	0	0	0	0	0	0
1100	130	0	110	0	266	0	225	0	0	0	0	0	204	259	146	0	206	265	109	0	202	0	244	141	0	188	211	130	0	0	0	0	0	0	0	0
1200	82	0	70	0	177	0	149	0	0	0	0	0	185	265	90	0	192	261	93	0	195	0	250	142	0	179	236	112	0	0	0	0	0	0	0	0
1300	93	0	81	0	153	0	128	0	0	0	0	0	215	261	150	0	216	262	108	0	207	0	246	159	0	193	231	121	0	0	0	0	0	0	0	0
1400	130	0	115	0	186	0	181	0	0	0	0	0	235	269	204	0	237	298	198	0	232	0	264	195	0	216	244	189	0	0	0	0	0	0	0	0
1500	120	0	111	0	174	0	177	0	0	0	0	0	239	294	180	0	238	310	194	0	233	0	274	202	0	216	249	186	0	0	0	0	0	0	0	0
1600	120	0	113	0	175	0	184	0	0	0	0	0	240	283	202	0	237	275	199	0	238	0	262	203	0	221	247	198	0	0	0	0	0	0	0	0
1700	90	0	88	0	141	0	147	0	0	0	0	0	247	291	202	0	245	288	199	0	243	0	288	203	0	225	259	192	0	0	0	0	0	0	0	0
1800	95	0	90	0	153	0	159	0	0	0	0	0	233	264	201	0	238	279	186	0	242	0	268	218	0	224	250	204	0	0	0	0	0	0	0	0
1900	79	0	71	0	125	0	125	0	0	0	0	0	231	257	189	0	228	268	175	0	226	0	243	202	0	210	242	195	0	0	0	0	0	0	0	0
2000	72	0	62	0	121	0	110	0	0	0	0	0	222	270	181	0	220	269	170	0	219	0	241	197	0	202	220	183	0	0	0	0	0	0	0	0
2100	77	0	65	0	151	0	138	0	0	0	0	0	229	283	206	0	225	272	192	0	232	0	259	208	0	215	229	193	0	0	0	0	0	0	0	0
2200	73	0	70	0	123	0	132	0	0	0	0	0	246	284	197	0	243	284	205	0	248	0	275	230	0	231	257	206	0	0	0	0	0	0	0	0
2300	82	0	81	0	123	0	136	0	0	0	0	0	255	279	231	0	252	299	225	0	265	0	275	249	0	248	257	234	0	0	0	0	0	0	0	0
2400	53	0	51	0	60	0	62	0	0	0	0	0	302	329	270	0	298	332	267	0	323	0	355	299	0	302	333	277	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	745	0	738	0	774	0	768	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	756	0	748	0	752	0	747	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	716	0	711	0	737	0	732	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
400	718	0	712	0	716	0	711	0	320	0	320	0	-2	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	0
500	712	0	705	0	721	0	716	0	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
600	716	0	711	0	709	0	703	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
700	703	0	694	0	694	0	689	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	33	0
800	689	0	682	0	684	0	678	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	53	0
900	687	0	682	0	687	0	680	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1000	720	0	714	0	712	0	707	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1100	757	0	752	0	748	0	745	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1200	799	0	793	0	775	0	770	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1300	822	0	819	0	795	0	790	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1400	831	0	829	0	806	0	801	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1500	833	0	828	0	808	0	804	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1600	815	0	810	0	801	0	797	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1700	826	0	819	0	813	0	804	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1800	806	0	801	0	804	0	799	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1900	817	0	811	0	815	0	810	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2000	813	0	808	0	811	0	806	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2100	795	0	788	0	799	0	793	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2200	784	0	777	0	783	0	783	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2300	770	0	765	0	783	0	777	0	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2400	757	0	752	0	759	0	754	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	16	0	12	0	21	0	24	0	0	0	0	0	253	0	332	180	257	0	343	185	335	3	22	293	312	0	350	267	0	0	0	0	0	0
200	44	0	44	0	56	0	57	0	0	0	0	0	308	0	329	283	302	0	326	275	333	0	352	304	310	0	326	277	0	0	0	0	0	0
300	53	0	50	0	77	0	75	0	0	0	0	0	345	0	9	329	338	0	14	308	354	0	1	349	332	0	339	319	0	0	0	0	0	0
400	70	0	62	0	99	0	97	0	0	0	0	0	347	0	28	315	340	0	13	296	359	0	19	351	337	0	348	325	0	0	0	0	0	0
500	79	0	74	0	122	0	118	0	0	0	0	0	349	0	21	320	345	0	41	303	2	0	23	348	340	0	9	322	0	0	0	0	0	0
600	47	0	45	0	57	0	56	0	0	0	0	0	13	0	73	320	12	0	67	321	9	0	26	344	349	0	47	320	0	0	0	0	0	0
700	54	0	49	0	97	0	97	0	0	0	0	0	3	0	57	317	358	0	54	270	5	0	37	330	344	0	18	308	0	0	0	0	0	0
800	64	0	59	0	92	0	88	0	0	0	0	0	13	0	72	298	8	0	92	277	14	0	55	324	353	0	87	297	0	0	0	0	0	0
900	72	0	69	0	98	0	98	0	0	0	0	0	340	0	12	304	336	0	55	281	352	0	13	318	331	0	355	298	0	0	0	0	0	0
1000	52	0	49	0	71	0	68	0	0	0	0	0	350	0	116	276	341	0	41	272	5	0	43	313	344	0	32	295	0	0	0	0	0	0
1100	46	0	42	0	69	0	68	0	0	0	0	0	353	0	64	275	350	0	112	273	4	0	75	316	343	0	62	302	0	0	0	0	0	0
1200	43	0	44	0	71	0	68	0	0	0	0	0	11	0	85	276	12	0	158	280	7	0	55	291	347	0	32	284	0	0	0	0	0	0
1300	59	0	54	0	77	0	75	0	0	0	0	0	349	0	132	277	343	0	44	281	0	0	48	304	340	0	103	280	0	0	0	0	0	0
1400	78	0	73	0	96	0	95	0	0	0	0	0	338	0	3	284	332	0	13	288	351	0	13	324	329	0	355	302	0	0	0	0	0	0
1500	60	0	57	0	89	0	88	0	0	0	0	0	344	0	46	290	339	0	81	230	352	0	31	310	334	0	18	287	0	0	0	0	0	0
1600	69	0	67	0	93	0	91	0	0	0	0	0	336	0	19	275	329	0	23	280	352	0	23	312	332	0	32	298	0	0	0	0	0	0
1700	32	0	31	0	39	0	42	0	0	0	0	0	39	0	103	325	37	0	131	334	36	0	98	327	19	0	124	320	0	0	0	0	0	0
1800	35	0	33	0	43	0	41	0	0	0	0	0	316	0	358	250	309	0	351	236	337	0	355	309	313	0	351	276	0	0	0	0	0	0
1900	35	0	34	0	50	0	53	0	0	0	0	0	291	0	326	259	288	0	333	239	308	0	329	294	285	0	302	274	0	0	0	0	0	0
2000	33	0	32	0	36	0	36	0	0	0	0	0	310	0	329	276	305	0	346	263	319	0	333	304	296	0	308	295	0	0	0	0	0	0
2100	31	0	29	0	57	0	57	0	0	0	0	0	1	0	149	277	354	3	110	275	9	0	37	304	349	0	158	298	0	0	0	0	0	0
2200	25	0	27	0	54	0	60	0	0	0	0	0	73	3	114	39	72	3	121	33	64	0	78	57	47	0	60	39	0	0	0	0	0	0
2300	61	0	57	0	103	0	103	0	0	0	0	0	111	0	124	102	112	0	130	93	98	0	103	94	82	0	88	77	0	0	0	0	0	0
2400	75	0	71	0	137	0	138	0	0	0	0	0	107	0	117	97	110	0	138	92	108	0	113	105	92	0	96	88	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	741	0	734	0	750	0	745	0	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
200	745	0	738	0	748	0	741	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
300	735	0	729	0	734	0	729	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
400	729	0	721	0	725	0	720	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
500	721	0	716	0	720	0	714	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
600	713	0	712	0	718	0	712	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
700	725	0	720	0	716	0	712	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
800	739	0	734	0	721	0	716	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
900	730	0	725	0	709	0	703	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1000	757	0	756	0	733	0	727	0	320	0	320	0	-27	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1100	754	0	750	0	721	0	718	0	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1200	765	0	763	0	734	0	729	0	320	0	320	0	-31	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1300	761	0	756	0	732	0	727	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1400	765	0	761	0	734	0	730	0	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1500	770	0	765	0	736	0	732	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1600	768	0	765	0	739	0	734	0	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1700	815	0	813	0	781	0	775	0	320	0	320	0	-39	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1800	799	0	795	0	777	0	775	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1900	750	0	743	0	736	0	730	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2000	729	0	721	0	725	0	718	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2100	725	0	718	0	725	0	718	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2200	718	0	711	0	727	0	721	0	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2300	716	0	709	0	754	0	748	0	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2400	719	0	795	0	756	0	750	0	320	0	320	0	43	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 50 A S	WIND MIN 50 A S	WIND MAX 50 A S	WIND DIR2	WIND MIN 150A S	WIND MAX 150A S	WIND DIR3	WIND MIN 150B S	WIND MAX 150B S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6
100	54 0	57 0	106 0	115 0	0 0	0 0	123 0	155	113	131 0	155	91	133 0	135	129	119 0	121	115	0 0	0	0	0
200	47 0	47 0	125 0	133 0	0 0	0 0	134 0	165	107	133 0	176	100	149 0	155	145	134 0	140	128	0 0	0	0	0
300	57 0	52 0	129 0	133 0	0 0	0 0	163 0	196	119	155 0	210	96	166 0	173	160	149 0	155	144	0 0	0	0	0
400	57 0	57 0	132 0	138 0	0 0	0 0	159 0	189	128	157 0	198	98	168 0	170	166	151 0	153	150	0 0	0	0	0
500	51 0	46 0	141 0	145 0	0 0	0 0	135 0	161	103	136 0	182	105	169 0	176	165	153 0	159	149	0 0	0	0	0
600	57 0	55 0	149 0	137 0	0 0	0 0	144 0	187	101	147 0	237	98	179 0	187	165	163 0	170	152	0 0	0	0	0
700	61 0	55 0	137 0	135 0	0 0	0 0	142 0	191	90	142 0	204	98	171 0	187	153	158 0	170	141	0 0	0	0	0
800	65 0	57 0	144 0	131 0	0 0	0 0	169 0	251	93	167 0	255	93	186 0	212	145	171 0	190	149	0 0	0	0	0
900	71 0	60 0	140 0	114 0	0 0	0 0	197 0	250	134	192 0	267	113	199 0	221	159	183 0	205	144	0 0	0	0	0
1000	62 0	49 0	93 0	32 0	0 0	0 0	213 0	262	133	210 0	262	142	206 0	243	157	192 0	224	135	0 0	0	0	0
1100	80 0	74 0	111 0	116 0	0 0	0 0	247 0	309	209	243 0	326	180	237 0	260	202	222 0	251	176	0 0	0	0	0
1200	106 0	104 0	133 0	142 0	0 0	0 0	248 0	281	211	246 0	283	212	247 0	281	224	230 0	258	203	0 0	0	0	0
1300	74 0	73 0	101 0	108 0	0 0	0 0	259 0	297	225	254 0	302	210	263 0	283	241	244 0	268	221	0 0	0	0	0
1400	81 0	80 0	126 0	131 0	0 0	0 0	249 0	283	209	244 0	300	197	263 0	289	228	245 0	261	224	0 0	0	0	0
1500	106 0	107 0	140 0	150 0	0 0	0 0	247 0	273	223	244 0	277	217	250 0	260	225	233 0	248	210	0 0	0	0	0
1600	84 0	78 0	123 0	126 0	0 0	0 0	238 0	269	204	238 0	282	184	237 0	265	206	221 0	242	198	0 0	0	0	0
1700	111 0	107 0	162 0	171 0	0 0	0 0	249 0	276	223	247 0	283	208	256 0	276	240	239 0	250	227	0 0	0	0	0
1800	106 0	104 0	173 0	139 0	0 0	0 0	242 0	285	215	241 0	282	187	249 0	273	220	232 0	247	212	0 0	0	0	0
1900	125 0	120 0	206 0	218 0	0 0	0 0	242 0	281	214	243 0	320	207	252 0	261	222	235 0	250	208	0 0	0	0	0
2000	76 0	67 0	142 0	150 0	0 0	0 0	227 0	262	205	228 0	262	203	235 0	249	220	219 0	240	206	0 0	0	0	0
2100	76 0	79 0	132 0	138 0	0 0	0 0	233 0	253	202	230 0	267	194	235 0	249	199	219 0	229	204	0 0	0	0	0
2200	113 0	107 0	185 0	191 0	0 0	0 0	236 0	267	208	234 0	286	182	238 0	258	212	222 0	252	191	0 0	0	0	0
2300	139 0	133 0	226 0	232 0	0 0	0 0	243 0	263	208	239 0	275	193	252 0	283	229	235 0	247	217	0 0	0	0	0
2400	140 0	137 0	232 0	245 0	0 0	0 0	243 0	263	224	239 0	263	205	253 0	265	226	237 0	246	221	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	O.T. 1 180A S	O.T. 2 180B S	O.T. 3 S	O.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	720 0	712 0	763 0	759 0	320 0	320 0	45 0	45 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
200	718 0	711 0	763 0	757 0	320 0	320 0	45 0	47 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
300	730 0	723 0	770 0	765 0	320 0	320 0	40 0	41 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
400	725 0	718 0	766 0	763 0	320 0	320 0	43 0	45 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
500	725 0	718 0	757 0	752 0	320 0	320 0	32 0	34 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
600	725 0	718 0	747 0	741 0	320 0	320 0	22 0	22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
700	732 0	727 0	745 0	739 0	320 0	320 0	13 0	14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
800	784 0	781 0	770 0	765 0	320 0	320 0	-13 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
900	822 0	817 0	801 0	795 0	320 0	320 0	-20 0	-22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
1000	865 0	860 0	844 0	838 0	320 0	320 0	-22 0	-22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
1100	865 0	859 0	862 0	858 0	320 0	320 0	-22 0	-22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
1200	878 0	873 0	867 0	864 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
1300	905 0	900 0	876 0	873 0	320 0	320 0	-27 0	-27 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
1400	887 0	882 0	871 0	867 0	320 0	320 0	-19 0	-19 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
1500	903 0	898 0	889 0	885 0	320 0	320 0	-13 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
1600	921 0	916 0	901 0	896 0	320 0	320 0	-18 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
1700	914 0	907 0	909 0	905 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
1800	871 0	864 0	880 0	874 0	320 0	320 0	9 0	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
1900	858 0	853 0	883 0	878 0	320 0	320 0	27 0	25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
2000	862 0	856 0	876 0	871 0	320 0	320 0	16 0	16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
2100	864 0	858 0	869 0	864 0	320 0	320 0	5 0	5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
2200	860 0	855 0	862 0	858 0	320 0	320 0	4 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
2300	837 0	831 0	853 0	847 0	320 0	320 0	16 0	16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0
2400	829 0	817 0	844 0	836 0	320 0	320 0	22 0	22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	60 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND DIR2 MIN 50 B	S	MAX	WIND DIR3 MIN 150A	S	MAX	WIND DIR4 MIN 150B	S	MAX	WIND DIR5 MIN	S	MAX	WIND DIR6	S
100	153	0	147	0	243	0	256	0	0	0	0	0	246	269	228		245	0	275	197	255	0	262	237	238	0	244	221	0	0	0	0	0	0
200	114	0	108	0	203	0	212	0	0	0	0	0	251	282	225		247	0	243	198	260	0	281	249	243	0	254	216	0	0	0	0	0	0
300	104	0	98	0	158	0	157	0	0	0	0	0	267	289	235		261	0	306	208	279	0	306	253	261	0	290	236	0	0	0	0	0	0
400	63	0	66	0	113	0	116	0	0	0	0	0	301	344	267		298	0	358	245	313	0	331	300	291	0	310	280	0	0	0	0	0	0
500	66	0	64	0	103	0	106	0	0	0	0	0	337	20	294		331	0	33	292	351	0	2	323	329	0	339	306	0	0	0	0	0	0
600	85	0	79	0	116	0	112	0	0	0	0	0	24	53	1		22	0	59	354	24	0	43	352	6	0	114	343	0	0	0	0	0	0
700	83	0	77	0	109	0	105	0	0	0	0	0	32	70	354		28	0	66	346	25	0	50	359	9	0	108	339	0	0	0	0	0	0
800	92	0	86	0	120	0	117	0	0	0	0	0	34	73	10		31	0	112	355	34	0	57	1	15	0	42	351	0	0	0	0	0	0
900	56	0	54	0	78	0	77	0	0	0	0	0	21	126	275		19	0	122	288	21	0	64	323	2	0	128	283	0	0	0	0	0	0
1000	74	0	72	0	95	0	96	0	0	0	0	0	25	83	306		18	0	104	315	17	0	52	334	0	0	122	314	0	0	0	0	0	0
1100	59	0	52	0	92	0	93	0	0	0	0	0	30	112	315		24	0	119	277	18	0	59	335	0	0	94	297	0	0	0	0	0	0
1200	59	0	55	0	85	0	86	0	0	0	0	0	20	91	306		23	0	157	311	11	0	73	323	352	0	140	297	0	0	0	0	0	0
1300	71	0	65	0	98	0	93	0	0	0	0	0	17	59	285		10	0	79	289	14	0	57	309	353	0	33	302	0	0	0	0	0	0
1400	57	0	55	0	87	0	86	0	0	0	0	0	359	152	278		358	0	124	271	5	0	61	309	348	0	140	310	0	0	0	0	0	0
1500	60	0	56	0	87	0	85	0	0	0	0	0	353	73	297		354	0	88	291	4	0	50	316	347	0	142	301	0	0	0	0	0	0
1600	76	0	76	0	105	0	101	0	0	0	0	0	30	129	337		23	0	133	298	18	0	61	321	0	0	132	325	0	0	0	0	0	0
1700	83	0	98	0	109	0	106	0	0	0	0	0	34	75	357		28	0	105	333	31	0	64	355	12	0	82	336	0	0	0	0	0	0
1800	60	0	59	0	82	0	80	0	0	0	0	0	29	81	329		22	0	65	319	20	0	58	353	359	0	79	325	0	0	0	0	0	0
1900	76	0	71	0	99	0	96	0	0	0	0	0	31	74	14		26	0	63	356	29	0	51	14	9	0	32	354	0	0	0	0	0	0
2000	64	0	60	0	90	0	89	0	0	0	0	0	37	64	21		34	0	63	5	37	0	53	23	17	0	28	359	0	0	0	0	0	0
2100	47	0	49	0	88	0	87	0	0	0	0	0	50	72	30		47	0	85	11	47	0	57	35	26	0	35	17	0	0	0	0	0	0
2200	33	0	37	0	74	0	83	0	0	0	0	0	89	110	71		87	0	113	62	65	0	74	57	48	0	54	42	0	0	0	0	0	0
2300	51	0	49	0	86	0	94	0	0	0	0	0	105	118	95		106	0	137	81	79	0	83	75	61	0	65	58	0	0	0	0	0	0
2400	59	0	57	0	99	0	107	0	0	0	0	0	100	114	86		101	0	122	79	79	0	87	75	61	0	68	55	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	O.T. 1 150A	S	O.T. 2 150B	S	O.T. 3	S	O.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	815	0	810	0	829	0	824	0	320	0	320	0	16	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
200	795	0	788	0	804	0	799	0	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
300	795	0	790	0	801	0	795	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
400	786	0	779	0	788	0	781	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
500	765	0	759	0	769	0	763	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
600	752	0	745	0	748	0	741	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
700	752	0	745	0	741	0	736	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
800	759	0	756	0	747	0	741	0	320	0	320	0	-13	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
900	785	0	783	0	765	0	759	0	320	0	320	0	-22	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1000	774	0	770	0	759	0	754	0	320	0	320	0	-15	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1100	785	0	784	0	763	0	757	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1200	784	0	784	0	756	0	750	0	320	0	320	0	-31	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1300	793	0	792	0	757	0	754	0	320	0	320	0	-39	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1400	806	0	802	0	759	0	756	0	320	0	320	0	-45	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1500	792	0	793	0	757	0	754	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1600	784	0	781	0	754	0	750	0	320	0	320	0	-29	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1700	765	0	761	0	747	0	741	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1800	770	0	766	0	753	0	745	0	320	0	320	0	-23	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1900	736	0	729	0	729	0	723	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2000	716	0	709	0	715	0	712	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2100	693	0	691	0	712	0	707	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2200	680	0	671	0	712	0	707	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2300	676	0	669	0	709	0	703	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2400	673	0	666	0	705	0	700	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1	S	WIND SPD2	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
	30 A		30 B		180A		180B						30 A								180A				180B									
100	69	0	61	0	102	0	111	0	0	0	0	0	99	0	112	82	99	0	119	75	81	0	86	78	63	0	73	60	0	0	0	0	0	0
200	82	0	76	0	137	0	138	0	0	0	0	0	111	0	119	101	113	0	130	101	105	0	109	101	88	0	93	84	0	0	0	0	0	0
300	83	0	80	0	151	0	155	0	0	0	0	0	123	0	139	116	126	0	133	101	125	0	127	123	110	0	112	107	0	0	0	0	0	0
400	83	0	93	0	197	0	210	0	0	0	0	0	125	0	154	23	131	0	158	89	146	0	147	143	130	0	133	129	0	0	0	0	0	0
500	82	0	98	0	191	0	198	0	0	0	0	0	129	0	137	111	129	0	159	103	149	0	154	146	133	0	136	130	0	0	0	0	0	0
600	84	0	86	0	194	0	200	0	0	0	0	0	129	0	147	112	127	0	150	83	157	0	163	147	142	0	150	135	0	0	0	0	0	0
700	86	0	92	0	168	0	173	0	0	0	0	0	122	0	136	105	125	0	160	81	152	0	160	143	138	0	146	128	0	0	0	0	0	0
800	81	0	74	0	175	0	180	0	0	0	0	0	133	0	170	77	135	0	178	55	161	0	181	141	147	0	159	124	0	0	0	0	0	0
900	90	0	90	0	171	0	172	0	0	0	0	0	146	0	231	105	187	0	213	92	167	0	182	151	153	0	172	142	0	0	0	0	0	0
1000	95	0	95	0	175	0	176	0	0	0	0	0	147	0	178	87	145	0	179	72	167	0	193	141	154	0	175	130	0	0	0	0	0	0
1100	93	0	87	0	166	0	154	0	0	0	0	0	166	0	259	111	163	0	265	92	181	0	217	139	167	0	210	133	0	0	0	0	0	0
1200	69	0	61	0	123	0	114	0	0	0	0	0	185	0	262	102	186	0	269	108	184	0	221	114	169	0	204	112	0	0	0	0	0	0
1300	71	0	59	0	144	0	123	0	0	0	0	0	197	0	267	100	194	0	269	97	200	0	237	146	186	0	232	129	0	0	0	0	0	0
1400	115	0	108	0	144	0	149	0	0	0	0	0	243	0	270	198	244	0	298	188	235	0	271	189	219	0	248	187	0	0	0	0	0	0
1500	101	0	95	0	156	0	155	0	0	0	0	0	239	0	278	192	241	0	302	198	233	0	270	193	215	0	243	180	0	0	0	0	0	0
1600	111	0	104	0	164	0	167	0	0	0	0	0	240	0	268	205	236	0	269	159	236	0	280	206	218	0	250	164	0	0	0	0	0	0
1700	107	0	96	0	177	0	179	0	0	0	0	0	235	0	266	186	235	0	350	192	231	0	259	207	215	0	243	185	0	0	0	0	0	0
1800	93	0	79	0	145	0	137	0	0	0	0	0	228	0	289	184	230	0	302	135	224	0	250	202	208	0	232	181	0	0	0	0	0	0
1900	75	0	63	0	143	0	125	0	0	0	0	0	213	0	265	114	209	0	261	101	209	0	243	168	195	0	220	158	0	0	0	0	0	0
2000	114	0	93	0	164	0	156	0	0	0	0	0	219	0	269	183	217	0	265	155	214	0	237	168	198	0	234	171	0	0	0	0	0	0
2100	150	0	129	0	245	0	229	0	0	0	0	0	228	0	278	181	230	0	307	188	223	0	241	185	208	0	240	170	0	0	0	0	0	0
2200	142	0	129	0	222	0	230	0	0	0	0	0	239	0	269	201	239	0	272	189	239	0	270	209	223	0	247	197	0	0	0	0	0	0
2300	72	0	73	0	119	0	124	0	0	0	0	0	256	0	286	226	253	0	286	217	271	0	293	260	252	0	267	236	0	0	0	0	0	0
2400	92	2	98	2	164	2	168	2	0	0	0	0	128	2	149	119	130	2	149	117	136	2	141	132	121	2	124	116	0	0	0	0	0	0

	AMB. TEM1	S	AMB. TEM2	S	AMB. TEM3	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
	30 A		30 B		180A		180B						180A		180B																					
100	667	0	660	0	694	0	689	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
200	657	0	649	0	718	0	712	0	320	0	320	0	63	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
300	649	0	642	0	711	0	705	0	320	0	320	0	61	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
400	662	0	655	0	709	0	703	0	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
500	660	0	655	0	705	0	702	0	320	0	320	0	47	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
600	675	0	667	0	721	0	716	0	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
700	694	0	689	0	711	0	705	0	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
800	797	0	793	0	738	0	732	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
900	802	0	799	0	781	0	777	0	320	0	320	0	-29	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1000	847	0	844	0	817	0	811	0	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1100	882	0	876	0	847	0	842	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1200	923	0	923	0	883	0	880	0	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1300	957	0	954	0	919	0	907	0	320	0	320	0	-45	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1400	953	0	945	0	919	0	916	0	320	0	320	0	-27	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1500	918	0	912	0	898	0	894	0	320	0	320	0	-19	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1600	917	0	914	0	896	0	891	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1700	910	0	905	0	892	0	889	0	320	0	320	0	-13	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1800	901	0	892	0	892	0	887	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1900	885	0	878	0	882	0	876	0	320	0	320	0	-2	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2000	876	0	871	0	874	0	869	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2100	873	0	865	0	873	0	867	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2200	795	0	790	0	793	0	788	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2300	797	0	792	0	806	0	801	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2400	790	2	783	2	788	2	783	2	320	0	320	0	2	2	-2	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50C A	S	WIND DIR1	MIN 50 A	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150A	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	93	0	95	0	143	0	143	0	0	0	0	0	268	0	300	243	265	0	330	225	285	0	308	254	266	0	294	240	0	0	0	0	0	0	0	0
200	109	0	107	0	157	0	156	0	0	0	0	0	262	0	335	243	278	0	342	226	300	0	352	264	278	0	298	247	0	0	0	0	0	0	0	0
300	147	0	133	0	203	0	207	0	0	0	0	0	312	0	335	283	307	0	347	268	322	0	331	312	300	0	309	294	0	0	0	0	0	0	0	0
400	103	0	104	0	159	0	156	0	0	0	0	0	321	0	0	285	317	0	359	243	334	0	20	307	310	0	334	290	0	0	0	0	0	0	0	0
500	74	0	67	0	124	0	120	0	0	0	0	0	3	0	76	316	1	0	119	281	5	0	48	318	345	0	40	300	0	0	0	0	0	0	0	0
600	73	0	64	0	111	0	107	0	0	0	0	0	354	0	62	286	353	0	102	305	1	0	56	324	340	0	47	302	0	0	0	0	0	0	0	0
700	92	0	87	0	141	0	141	0	0	0	0	0	342	0	36	292	339	0	35	288	347	0	4	322	324	0	338	309	0	0	0	0	0	0	0	0
800	96	0	89	0	135	0	133	0	0	0	0	0	341	0	15	302	336	0	40	294	351	0	15	327	329	0	349	295	0	0	0	0	0	0	0	0
900	73	0	76	0	124	0	118	0	0	0	0	0	333	0	40	274	333	0	53	281	345	0	29	281	324	0	349	281	0	0	0	0	0	0	0	0
1000	64	0	61	0	92	0	93	0	0	0	0	0	0	0	63	292	357	0	96	287	2	0	64	308	342	0	35	280	0	0	0	0	0	0	0	0
1100	63	0	58	0	89	0	84	0	0	0	0	0	339	0	31	289	332	0	15	273	356	0	26	337	333	0	20	308	0	0	0	0	0	0	0	0
1200	45	0	44	0	64	0	64	0	0	0	0	0	338	0	39	273	337	0	77	276	354	0	50	281	332	0	21	296	0	0	0	0	0	0	0	0
1300	54	0	51	0	80	0	77	0	0	0	0	0	4	0	115	292	7	0	149	274	3	0	58	271	345	0	65	279	0	0	0	0	0	0	0	0
1400	63	0	58	0	87	0	88	0	0	0	0	0	2	0	119	274	1	0	91	271	11	0	54	298	350	0	69	294	0	0	0	0	0	0	0	0
1500	72	0	70	0	107	0	107	0	0	0	0	0	5	0	74	293	1	0	136	284	7	0	43	333	347	0	30	309	0	0	0	0	0	0	0	0
1600	40	0	41	0	74	0	97	0	0	0	0	0	74	0	100	60	76	0	108	57	69	0	75	59	50	0	58	39	0	0	0	0	0	0	0	0
1700	66	0	62	0	105	0	109	0	0	0	0	0	25	0	82	319	21	0	102	305	10	0	53	309	348	0	37	296	0	0	0	0	0	0	0	0
1800	97	0	93	0	141	0	138	0	0	0	0	0	28	0	63	349	23	0	71	343	23	0	51	357	5	0	141	329	0	0	0	0	0	0	0	0
1900	93	0	96	0	131	0	130	0	0	0	0	0	33	0	53	6	29	0	119	349	33	0	79	12	15	0	48	353	0	0	0	0	0	0	0	0
2000	81	0	79	0	115	0	111	0	0	0	0	0	34	0	68	10	28	0	100	351	34	0	56	12	14	0	57	342	0	0	0	0	0	0	0	0
2100	53	0	53	0	81	0	81	0	0	0	0	0	45	0	94	28	43	0	84	11	42	0	64	25	20	0	32	5	0	0	0	0	0	0	0	0
2200	59	0	56	0	93	0	90	0	0	0	0	0	39	0	75	8	36	0	70	354	34	0	64	18	14	0	40	355	0	0	0	0	0	0	0	0
2300	43	0	41	0	63	0	75	0	0	0	0	0	82	0	93	72	80	0	93	63	68	0	75	62	50	0	54	43	0	0	0	0	0	0	0	0
2400	62	2	61	2	87	2	88	2	0	0	0	0	41	2	77	349	38	2	97	351	41	2	80	12	19	2	52	350	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	O.T. 1 150A	S	O.T. 2 150B	S	O.T. 3	S	O.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	784	0	779	0	788	0	781	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
200	781	0	775	0	779	0	774	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
300	757	0	752	0	748	0	743	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
400	743	0	736	0	732	0	727	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
500	720	0	714	0	711	0	705	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
600	720	0	714	0	711	0	705	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
700	716	0	709	0	705	0	700	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
800	712	0	707	0	703	0	698	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
900	718	0	712	0	707	0	700	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1000	732	0	727	0	716	0	709	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1100	736	0	729	0	719	0	711	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1200	766	0	761	0	736	0	732	0	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1300	790	0	790	0	743	0	739	0	320	0	320	0	-47	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1400	768	0	765	0	736	0	730	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1500	783	0	779	0	739	0	736	0	320	0	320	0	-41	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1600	660	0	653	0	675	0	671	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1700	725	0	720	0	711	0	705	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1800	716	0	711	0	703	0	698	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1900	709	0	703	0	702	0	696	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2000	693	0	691	0	691	0	685	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2100	680	0	673	0	678	0	675	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2200	678	0	671	0	673	0	673	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2300	664	0	657	0	680	0	675	0	320	0	320	0	15	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2400	655	2	648	2	669	2	666	2	320	0	320	0	16	2	18	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	64	0	69	0	103	0	125	0	0	0	0	0	63	0	90	40	66	0	94	29	65	0	98	51	47	0	85	33	0	0	0	0	0	0
200	68	0	73	0	108	0	125	0	0	0	0	0	69	0	106	47	69	0	105	32	65	0	81	50	46	0	61	21	0	0	0	0	0	0
300	85	0	81	0	126	0	130	0	0	0	0	0	91	0	113	73	90	0	129	52	86	0	103	74	67	0	87	51	0	0	0	0	0	0
400	73	0	70	0	104	0	103	0	0	0	0	0	96	0	128	71	95	0	126	69	93	0	119	75	75	0	98	54	0	0	0	0	0	0
500	69	0	63	0	105	0	100	0	0	0	0	0	93	0	111	66	93	0	119	65	86	0	99	69	68	0	85	54	0	0	0	0	0	0
600	75	0	73	0	112	0	111	0	0	0	0	0	90	0	109	70	90	0	114	64	87	0	93	74	69	0	84	59	0	0	0	0	0	0
700	83	0	82	0	114	0	126	0	0	0	0	0	85	0	115	61	84	0	122	49	80	0	99	63	62	0	92	37	0	0	0	0	0	0
800	92	0	88	0	120	0	117	0	0	0	0	0	98	0	171	76	98	0	130	60	99	0	113	87	83	0	119	65	0	0	0	0	0	0
900	73	0	77	0	102	0	103	0	0	0	0	0	113	0	141	65	119	0	157	60	115	0	146	61	99	0	130	65	0	0	0	0	0	0
1000	51	0	47	0	65	0	68	0	0	0	0	0	109	0	148	49	113	0	165	52	127	0	170	61	111	0	146	36	0	0	0	0	0	0
1100	30	0	30	0	36	0	46	0	0	0	0	0	39	3	102	273	36	3	116	270	57	0	105	1	29	0	116	281	0	0	0	0	0	0
1200	59	0	54	0	92	0	90	0	0	0	0	0	356	0	80	302	351	0	105	278	2	0	88	310	346	0	30	292	0	0	0	0	0	0
1300	63	0	70	0	105	0	105	0	0	0	0	0	31	0	158	320	29	0	105	319	17	0	74	333	358	0	145	300	0	0	0	0	0	0
1400	81	0	76	0	120	0	118	0	0	0	0	0	27	0	103	310	20	0	107	282	14	0	60	338	357	0	152	316	0	0	0	0	0	0
1500	115	0	110	0	158	0	147	0	0	0	0	0	24	0	74	306	23	0	92	306	24	0	46	9	4	0	122	333	0	0	0	0	0	0
1600	112	0	104	0	150	0	144	0	0	0	0	0	29	0	70	344	20	0	118	313	24	0	54	349	3	0	36	323	0	0	0	0	0	0
1700	125	0	121	0	156	0	153	0	0	0	0	0	34	0	90	15	27	0	105	289	31	0	61	8	11	0	50	341	0	0	0	0	0	0
1800	106	0	104	0	134	0	131	0	0	0	0	0	34	0	67	9	32	0	94	1	39	0	55	17	19	0	48	358	0	0	0	0	0	0
1900	83	0	96	0	114	0	129	0	0	0	0	0	52	1	82	22	47	0	78	13	51	0	63	30	32	0	58	10	0	0	0	0	0	0
2000	55	0	58	0	91	0	107	0	0	0	0	0	74	0	92	51	73	0	112	29	68	0	82	54	51	0	66	37	0	0	0	0	0	0
2100	66	0	66	0	105	0	117	0	0	0	0	0	93	0	109	58	82	0	120	44	76	0	86	65	58	0	71	47	0	0	0	0	0	0
2200	82	0	81	0	142	0	141	0	0	0	0	0	102	0	117	92	102	0	120	70	97	0	101	93	80	0	84	77	0	0	0	0	0	0
2300	102	0	99	0	175	0	174	0	0	0	0	0	96	0	109	87	96	0	113	80	101	0	102	98	84	0	88	82	0	0	0	0	0	0
2400	91	0	82	0	170	0	172	0	0	0	0	0	109	0	121	92	110	0	141	81	114	0	117	112	99	0	105	96	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	150A	S	D.T. 2	150B	S	D.T. 3	S	D.T. 4	S	MISC 1	/	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	666	0	658	0	671	0	667	0	320	0	320	0	7	0		7	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
200	657	0	649	0	666	0	660	0	329	0	320	0	9	0		11	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
300	663	0	655	0	658	0	655	0	320	0	320	0	2	0		0	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
400	664	0	658	0	653	0	655	0	320	0	320	0	-5	0		-5	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
500	666	0	658	0	660	0	655	0	320	0	320	0	-4	0		-4	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
600	653	0	651	0	655	0	651	0	320	0	320	0	2	0		0	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
700	658	0	651	0	648	0	642	0	320	0	320	0	-9	0		-9	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
800	673	0	669	0	665	0	649	0	329	0	320	0	-13	0		-20	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
900	703	0	700	0	684	0	680	0	320	0	320	0	-20	0		-20	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
1000	756	0	750	0	723	0	720	0	320	0	320	0	-29	0		-31	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
1100	775	0	772	0	752	0	747	0	328	0	320	0	-23	0		-25	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
1200	748	0	743	0	721	0	718	0	329	0	320	0	-25	0		-25	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
1300	775	0	774	0	739	0	734	0	320	0	320	0	-38	0		-40	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
1400	779	0	777	0	741	0	736	0	329	0	320	0	-33	0		-41	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
1500	759	0	754	0	734	0	730	0	320	0	320	0	-23	0		-25	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
1600	765	0	761	0	741	0	736	0	329	0	320	0	-23	0		-25	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
1700	747	0	743	0	727	0	723	0	328	0	320	0	-13	0		-20	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
1800	721	0	714	0	712	0	707	0	320	0	320	0	-9	0		-9	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
1900	718	0	712	0	712	0	707	0	320	0	320	0	-5	0		-5	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
2000	687	0	680	0	698	0	693	0	329	0	320	0	11	0		11	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
2100	676	0	667	0	689	0	684	0	320	0	320	0	13	0		16	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
2200	662	0	660	0	689	0	684	0	329	0	320	0	22	0		23	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
2300	669	0	657	0	696	0	691	0	329	0	320	0	34	0		36	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0
2400	648	0	640	0	679	0	675	0	320	0	320	0	32	0		32	0		0	0	0	0	320	2		0	0	0	0	0	0	0	0	0	0	60	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	93	0	82	0	154	0	161	0	0	0	0	0	112	0	125	99	116	0	145	75	119	0	124	115	103	0	106	99	0	0	0	0	0	0	0	0
200	83	0	31	0	153	0	155	0	0	0	0	0	109	0	123	95	110	0	154	82	113	0	116	108	98	0	103	98	0	0	0	0	0	0	0	0
300	92	0	87	0	160	0	164	0	0	0	0	0	113	0	125	92	116	0	144	92	116	0	120	107	101	0	106	94	0	0	0	0	0	0	0	0
400	90	0	79	0	156	0	161	0	0	0	0	0	115	0	125	103	117	0	143	88	126	0	135	115	111	0	123	99	0	0	0	0	0	0	0	0
500	94	0	83	0	142	0	151	0	0	0	0	0	120	0	125	112	123	0	143	98	132	0	139	126	118	0	123	111	0	0	0	0	0	0	0	0
600	102	0	95	0	150	0	161	0	0	0	0	0	121	0	135	115	126	0	145	93	133	0	136	130	119	0	122	115	0	0	0	0	0	0	0	0
700	93	0	97	0	161	0	161	0	0	0	0	0	125	0	140	108	129	0	158	97	141	0	148	134	126	0	134	117	0	0	0	0	0	0	0	0
800	87	0	91	0	133	0	128	0	0	0	0	0	123	0	146	103	126	0	173	84	144	0	160	129	129	0	146	105	0	0	0	0	0	0	0	0
900	98	0	100	0	159	0	150	0	0	0	0	0	129	0	174	83	131	0	207	91	144	0	157	125	130	0	151	113	0	0	0	0	0	0	0	0
1000	83	0	84	0	103	0	100	0	0	0	0	0	120	0	200	96	125	0	158	79	135	0	170	113	120	0	146	99	0	0	0	0	0	0	0	0
1100	45	0	45	0	66	0	69	0	0	0	0	0	117	0	179	25	118	0	176	16	139	0	176	74	128	0	171	49	0	0	0	0	0	0	0	0
1200	26	0	26	0	31	0	32	0	0	0	0	0	292	3	354	193	353	3	166	272	3	0	154	271	5	0	176	270	0	0	0	0	0	0	0	0
1300	43	0	46	0	56	0	57	0	0	0	0	0	331	0	6	271	328	0	32	270	346	0	6	327	324	0	346	302	0	0	0	0	0	0	0	0
1400	54	0	53	0	79	0	75	0	0	0	0	0	343	0	91	278	340	0	54	275	0	0	92	306	338	0	32	291	0	0	0	0	0	0	0	0
1500	60	0	58	0	98	0	97	0	0	0	0	0	23	0	97	291	24	0	139	283	13	0	65	282	357	0	45	316	0	0	0	0	0	0	0	0
1600	82	0	82	0	93	0	95	0	0	0	0	0	37	0	76	358	31	0	75	1	26	0	57	327	5	0	40	315	0	0	0	0	0	0	0	0
1700	100	0	100	0	144	0	138	0	0	0	0	0	30	0	68	340	24	0	71	338	23	0	40	358	4	0	53	334	0	0	0	0	0	0	0	0
1800	69	0	66	0	99	0	98	0	0	0	0	0	36	0	69	8	33	0	105	349	41	0	61	13	21	0	50	354	0	0	0	0	0	0	0	0
1900	50	0	51	0	74	0	76	0	0	0	0	0	78	0	112	51	78	0	121	47	70	0	87	46	53	0	73	32	0	0	0	0	0	0	0	0
2000	57	0	59	0	99	0	111	0	0	0	0	0	87	0	104	70	86	0	110	49	77	0	85	66	59	0	65	51	0	0	0	0	0	0	0	0
2100	85	0	81	0	142	0	140	0	0	0	0	0	91	0	103	77	91	0	124	64	89	0	98	79	72	0	79	59	0	0	0	0	0	0	0	0
2200	75	0	69	0	122	0	128	0	0	0	0	0	114	0	123	102	116	0	151	87	127	0	136	116	112	0	121	103	0	0	0	0	0	0	0	0
2300	70	0	79	0	143	0	148	0	0	0	0	0	128	0	140	115	132	0	149	112	147	0	152	140	132	0	137	123	0	0	0	0	0	0	0	0
2400	68	0	73	0	148	0	152	0	0	0	0	0	127	0	149	106	130	0	170	96	151	0	156	143	136	0	144	129	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	651	0	644	0	675	0	669	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
200	642	0	635	0	666	0	662	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
300	640	0	633	0	658	0	655	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
400	637	0	631	0	654	0	655	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
500	637	0	630	0	662	0	657	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
600	640	0	633	0	653	0	649	0	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
700	651	0	644	0	655	0	649	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
800	689	0	685	0	676	0	671	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
900	730	0	727	0	712	0	707	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1000	761	0	757	0	745	0	741	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1100	820	0	817	0	781	0	777	0	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1200	865	0	864	0	824	0	822	0	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1300	856	0	855	0	804	0	801	0	320	0	320	0	-52	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1400	835	0	831	0	799	0	795	0	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1500	835	0	833	0	788	0	784	0	320	0	320	0	-46	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1600	829	0	826	0	802	0	799	0	320	0	320	0	-26	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1700	777	0	774	0	765	0	761	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1800	781	0	775	0	772	0	766	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1900	779	0	772	0	775	0	770	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2000	763	0	754	0	772	0	766	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2100	750	0	743	0	765	0	761	0	320	0	320	0	15	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2200	738	0	730	0	768	0	763	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2300	736	0	729	0	754	0	750	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
2400	727	0	720	0	741	0	734	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1	S	WIND SPD2	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50 B	S			150A	S			150B	S			S				S				
100	66	0	71	0	140	0	145	0	0	0	0	0	124	0	167	110	130	0	164	109	153	0	160	143	138	0	143	132	0	0	0	0	0	0
200	64	0	68	0	155	0	161	0	0	0	0	0	127	0	147	100	134	0	170	88	158	0	165	150	142	0	148	136	0	0	0	0	0	0
300	63	0	70	0	142	0	147	0	0	0	0	0	125	0	139	112	130	0	176	99	155	0	160	146	140	0	145	128	0	0	0	0	0	0
400	60	0	65	0	144	0	148	0	0	0	0	0	124	0	149	104	129	0	158	88	162	0	167	152	146	0	153	137	0	0	0	0	0	0
500	64	0	68	0	157	0	163	0	0	0	0	0	127	0	145	112	133	0	164	99	159	0	166	142	147	0	152	132	0	0	0	0	0	0
600	65	0	63	0	161	0	167	0	0	0	0	0	128	0	153	102	130	0	170	74	165	0	170	148	151	0	160	135	0	0	0	0	0	0
700	64	0	66	0	135	0	140	0	0	0	0	0	121	0	149	105	126	0	186	90	156	0	167	141	144	0	154	131	0	0	0	0	0	0
800	48	0	49	0	95	0	97	0	0	0	0	0	124	0	161	93	123	0	164	82	157	0	180	136	145	0	167	130	0	0	0	0	0	0
900	53	0	49	0	83	0	86	0	0	0	0	0	129	0	173	69	127	0	176	65	157	0	184	119	144	0	169	119	0	0	0	0	0	0
1000	35	0	34	0	45	0	46	0	0	0	0	0	156	0	224	91	154	0	266	94	175	0	263	127	163	0	230	112	0	0	0	0	0	0
1100	23	0	26	0	47	0	49	0	0	0	0	0	183	3	261	97	173	3	265	96	188	0	262	112	174	0	248	96	0	0	0	0	0	0
1200	28	0	26	0	32	0	37	0	0	0	0	0	286	0	337	240	278	3	326	233	256	0	286	219	238	0	262	204	0	0	0	0	0	0
1300	41	0	38	0	59	0	63	0	0	0	0	0	293	0	335	255	286	0	339	239	287	0	312	264	267	0	311	245	0	0	0	0	0	0
1400	119	0	116	0	194	0	197	0	0	0	0	0	299	0	324	276	296	0	340	246	313	0	339	276	288	0	311	265	0	0	0	0	0	0
1500	69	0	66	0	124	0	126	0	0	0	0	0	5	0	76	298	1	0	98	298	0	0	42	324	337	0	15	303	0	0	0	0	0	0
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2

	AMB. TEMP1	S	AMB. TEMP2	S	AMB. TEMP3	S	AMB. TEMP4	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
	50 A	S	50 B	S	150A	S	150B	S		S		S	150A	S	150B	S		S		S		S		S		S		S		S		S		S		
100	714	0	707	0	730	0	725	0	320	0	320	0	19	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
200	703	0	696	0	720	0	714	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
300	693	0	685	0	712	0	707	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
400	682	0	675	0	707	0	702	0	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	50	0
500	673	0	667	0	702	0	696	0	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	6
600	667	0	660	0	699	0	694	0	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	680	0	675	0	684	0	675	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	727	0	723	0	712	0	707	0	320	0	320	0	-13	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	781	0	777	0	752	0	747	0	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	845	0	844	0	813	0	806	0	320	0	320	0	-33	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	860	0	856	0	824	0	819	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	847	0	844	0	833	0	828	0	320	0	320	0	-13	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	819	0	815	0	813	0	808	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	772	0	766	0	761	0	756	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	705	0	698	0	694	0	689	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2
200	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2
300	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2
400	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2
800	49	0	44	0	64	0	37	0	0	0	0	0	232	0	276	192	232	0	279	186	238	0	267	216	220	0	246	201	0	0	0	0	0	0
900	55	0	50	0	77	0	75	0	0	0	0	0	232	0	352	197	228	0	266	133	226	0	253	160	210	0	236	146	0	0	0	0	0	0
1000	61	0	57	0	77	0	78	0	0	0	0	0	235	0	281	196	234	0	270	132	236	0	271	199	219	0	247	188	0	0	0	0	0	0
1100	53	0	47	0	57	0	60	0	0	0	0	0	254	0	297	207	251	0	303	207	252	0	294	181	235	0	280	191	0	0	0	0	0	0
1200	65	0	61	0	77	0	81	0	0	0	0	0	259	0	302	209	255	0	318	202	260	0	307	217	241	0	269	209	0	0	0	0	0	0
1300	59	0	57	0	76	0	81	0	0	0	0	0	287	0	324	235	293	0	343	221	290	0	322	258	269	0	310	236	0	0	0	0	0	0
1400	43	0	42	0	51	0	55	0	0	0	0	0	297	0	356	256	290	0	344	236	295	0	341	266	273	0	309	233	0	0	0	0	0	0
1500	66	0	65	0	103	0	104	0	0	0	0	0	273	0	317	247	273	0	322	234	296	0	318	257	273	0	294	239	0	0	0	0	0	0
1600	20	0	21	0	35	0	37	0	0	0	0	0	294	3	359	186	292	3	359	186	339	0	51	284	314	0	18	273	0	0	0	0	0	0
1700	57	0	54	0	75	0	76	0	0	0	0	0	107	0	143	68	109	0	138	68	115	0	154	88	100	0	136	65	0	0	0	0	0	0
1800	37	0	38	0	49	0	51	0	0	0	0	0	107	0	142	68	107	0	141	58	114	0	150	71	98	0	139	71	0	0	0	0	0	0
1900	22	0	24	0	34	0	37	0	0	0	0	0	152	0	232	112	154	3	246	113	154	0	181	140	142	0	173	124	0	0	0	0	0	0
2000	25	0	24	0	59	0	54	0	0	0	0	0	262	0	339	184	261	3	347	180	205	0	259	173	190	0	243	160	0	0	0	0	0	0
2100	33	0	33	0	59	0	64	0	0	0	0	0	261	0	289	241	260	0	288	225	255	0	261	249	239	0	243	232	0	0	0	0	0	0
2200	59	0	53	0	61	0	63	0	0	0	0	0	222	0	247	185	223	0	258	177	230	0	242	221	214	0	223	205	0	0	0	0	0	0
2300	58	0	53	0	103	0	111	0	0	0	0	0	234	0	266	203	232	0	274	199	241	0	253	220	224	0	236	215	0	0	0	0	0	0
2400	32	0	28	0	69	0	72	0	0	0	0	0	193	0	254	141	189	3	239	124	231	0	255	216	215	0	231	197	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	750	0	745	0	747	0	741	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
900	770	0	765	0	754	0	748	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	772	0	766	0	757	0	752	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	801	0	797	0	785	0	783	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	813	0	810	0	795	0	792	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	813	0	810	0	781	0	777	0	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	795	0	792	0	775	0	772	0	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	766	0	763	0	754	0	748	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	763	0	765	0	752	0	747	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	777	0	774	0	766	0	761	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	781	0	775	0	774	0	766	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	779	0	774	0	775	0	770	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	765	0	759	0	772	0	766	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	745	0	739	0	763	0	757	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	752	0	747	0	773	0	765	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	759	0	756	0	774	0	770	0	320	0	320	0	15	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	752	0	745	0	768	0	763	0	320	0	320	0	19	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	41	0	36	0	89	0	93	0	0	0	0	0	197	237	150		197	231	149		231	255	214		216	243	198		0	0	0		0	0	0	
200	45	0	41	0	97	0	102	0	0	0	0	0	183	213	137		180	220	136		232	242	216		216	225	195		0	0	0		0	0	0	
300	72	0	70	0	122	0	137	0	0	0	0	0	243	261	218		237	260	202		254	265	244		238	247	225		0	0	0		0	0	0	
400	87	0	86	0	140	0	148	0	0	0	0	0	249	270	229		246	0	291	216		269	0	276	259		251	0	258	243		0	0	0		0	0	0	
500	92	0	91	0	141	0	147	0	0	0	0	0	244	264	217		244	0	284	218		256	0	265	241		240	0	247	214		0	0	0		0	0	0	
600	83	0	82	0	131	0	140	0	0	0	0	0	259	279	227		248	0	287	220		257	0	271	228		240	0	258	209		0	0	0		0	0	0	
700	51	0	51	0	82	0	97	0	0	0	0	0	239	270	195		238	0	280	193		250	0	261	224		233	0	246	206		0	0	0		0	0	0	
800	52	0	50	0	83	0	85	0	0	0	0	0	265	329	262		242	0	324	250		299	0	325	282		278	0	306	254		0	0	0		0	0	0	
900	59	0	57	0	93	0	95	0	0	0	0	0	293	329	256		238	0	319	242		314	0	327	279		293	0	303	270		0	0	0		0	0	0	
1000	41	0	40	0	71	0	72	0	0	0	0	0	319	0	7	273		309	0	355	198		336	0	354	303		314	0	341	288		0	0	0		0	0	0	
1100	32	0	33	0	37	0	38	0	0	0	0	0	274	0	329	209		275	0	347	219		291	0	344	183		267	0	337	187		0	0	0		0	0	0	
1200	69	0	66	0	71	0	75	0	0	0	0	0	262	0	303	226		259	0	306	211		267	0	292	228		249	0	274	194		0	0	0		0	0	0	
1300	31	0	31	0	44	0	45	0	0	0	0	0	297	0	352	220		301	0	358	243		339	0	29	295		316	0	359	263		0	0	0		0	0	0	
1400	47	0	44	0	53	0	55	0	0	0	0	0	290	0	322	246		283	0	329	227		314	0	342	286		291	0	320	276		0	0	0		0	0	0	
1500	70	0	67	0	83	0	88	0	0	0	0	0	293	0	329	221		294	0	338	250		299	0	327	267		276	0	295	241		0	0	0		0	0	0	
1600	23	0	29	0	36	0	39	0	0	0	0	0	305	0	356	262		298	3	350	246		321	0	350	299		298	0	319	290		0	0	0		0	0	0	
1700	37	0	38	0	41	0	44	0	0	0	0	0	246	0	267	185		243	0	267	181		274	0	309	254		256	0	303	236		0	0	0		0	0	0	
1800	25	0	25	0	19	0	22	0	0	0	0	0	248	0	264	185		246	0	267	171		261	0	280	242		229	0	267	103		0	0	0		0	0	0	
1900	19	0	19	0	17	0	20	0	0	0	0	0	287	0	320	253		286	0	321	257		295	0	323	265		276	0	309	247		0	0	0		0	0	0	
2000	49	0	48	0	56	0	60	0	0	0	0	0	270	0	305	246		267	0	309	230		291	0	325	265		272	0	297	243		0	0	0		0	0	0	
2100	57	0	53	0	86	0	89	0	0	0	0	0	283	0	323	261		295	0	358	250		306	0	316	275		284	0	292	269		0	0	0		0	0	0	
2200	62	0	60	0	110	0	114	0	0	0	0	0	293	0	324	265		293	0	332	243		309	0	320	298		286	0	293	276		0	0	0		0	0	0	
2300	33	0	34	0	82	0	80	0	0	0	0	0	5	0	55	315		1	0	60	302		357	0	18	335		336	0	5	313		0	0	0		0	0	0	
2400	47	0	43	0	92	0	90	0	0	0	0	0	357	0	39	305		354	0	54	301		2	0	33	331		341	0	70	321		0	0	0		0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 160A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 130A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	733	0	730	0	766	0	761	0	329	0	320	0	31	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	720	0	714	0	757	0	752	0	329	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	743	0	738	0	759	0	754	0	329	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	747	0	741	0	759	0	754	0	329	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	741	0	736	0	745	0	738	0	329	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	741	0	739	0	743	0	739	0	329	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	737	0	734	0	738	0	732	0	328	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	752	0	745	0	754	0	748	0	329	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	753	0	743	0	739	0	734	0	329	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	752	0	747	0	739	0	734	0	329	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	777	0	772	0	761	0	757	0	329	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	772	0	768	0	761	0	757	0	329	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	797	0	793	0	774	0	770	0	329	0	320	0	-22	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	793	0	725	0	783	0	779	0	329	0	320	0	-19	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	786	0	781	0	754	0	750	0	329	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	774	0	766	0	763	0	757	0	329	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	747	0	739	0	743	0	738	0	329	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	752	0	747	0	752	0	747	0	329	0	320	0	0	1	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	748	0	743	0	752	0	747	0	329	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	733	0	727	0	734	0	732	0	329	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	739	0	732	0	736	0	730	0	329	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	739	0	729	0	744	0	729	0	329	0	320	0	0	1	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	732	0	727	0	730	0	725	0	329	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	732	0	727	0	732	0	727	0	329	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 C	S	WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	DIR4	MIN	MAX	DIR5	MIN	MAX	DIR6
100	59	0	56	0	99	0	97	0	0	0	0	0	24	0	40	7	19	0	39	355	14	0	32	9	4	0	142	341	0	0	0	0	0	0
200	70	0	67	0	107	0	108	0	0	0	0	0	33	0	57	11	23	0	51	353	23	0	34	9	7	0	134	344	0	0	0	0	0	0
300	51	0	50	0	88	0	90	0	0	0	0	0	44	0	75	13	39	0	93	4	43	0	68	22	23	0	48	4	0	0	0	0	0	0
400	33	0	33	0	47	0	53	0	0	0	0	0	61	0	105	22	56	0	145	17	58	0	86	27	39	0	92	9	0	0	0	0	0	0
500	45	0	44	0	56	0	56	0	0	0	0	0	35	0	62	13	32	0	67	6	40	0	53	20	20	0	32	4	0	0	0	0	0	0
600	24	0	25	0	30	0	35	0	0	0	0	0	64	3	104	25	58	3	101	14	72	3	102	34	55	0	82	21	0	0	0	0	0	0
700	14	0	14	0	23	0	27	0	0	0	0	0	57	3	142	1	39	3	112	284	52	3	101	10	30	3	88	346	0	0	0	0	0	0
800	19	0	19	0	31	0	31	0	0	0	0	0	4	3	85	274	0	3	120	292	358	0	37	319	338	0	77	284	0	0	0	0	0	0
900	34	0	34	0	41	0	40	0	0	0	0	0	345	0	40	283	343	0	40	284	3	0	53	291	340	0	115	283	0	0	0	0	0	0
1000	34	0	35	0	52	0	51	0	0	0	0	0	330	0	67	274	333	0	130	270	353	0	38	303	328	0	15	286	0	0	0	0	0	0
1100	62	0	62	0	79	0	79	0	0	0	0	0	317	0	348	268	314	0	355	253	331	0	11	294	309	0	336	264	0	0	0	0	0	0
1200	54	0	50	0	67	0	70	0	0	0	0	0	339	0	29	272	330	0	36	273	351	0	31	303	329	0	9	287	0	0	0	0	0	0
1300	71	0	72	0	96	0	95	0	0	0	0	0	327	0	27	273	323	0	44	270	344	0	6	306	323	0	350	269	0	0	0	0	0	0
1400	69	0	69	0	86	0	85	0	0	0	0	0	329	0	19	279	323	0	358	241	342	0	7	289	321	0	350	269	0	0	0	0	0	0
1500	72	0	67	0	89	0	89	0	0	0	0	0	329	0	1	273	319	0	54	273	343	0	13	312	320	0	341	289	0	0	0	0	0	0
1600	75	0	72	0	86	0	86	0	0	0	0	0	325	0	0	289	319	0	354	254	338	0	7	311	315	0	341	291	0	0	0	0	0	0
1700	52	0	54	0	76	0	78	0	0	0	0	0	305	0	342	244	302	0	355	241	326	0	348	302	304	0	325	279	0	0	0	0	0	0
1800	45	0	45	0	60	0	61	0	0	0	0	0	331	0	19	285	325	0	8	277	345	0	1	327	322	0	346	291	0	0	0	0	0	0
1900	16	0	16	0	25	0	26	0	0	0	0	0	345	3	21	302	340	3	51	301	354	3	34	327	332	0	5	298	0	0	0	0	0	0
2000	55	0	56	0	73	0	77	0	0	0	0	0	249	0	277	233	248	0	271	227	268	0	298	251	250	0	271	237	0	0	0	0	0	0
2100	30	0	31	0	29	0	32	0	0	0	0	0	154	0	194	130	155	0	192	136	138	0	170	125	125	0	155	108	0	0	0	0	0	0
2200	35	0	36	0	29	0	32	0	0	0	0	0	249	0	281	238	246	0	78	230	258	0	275	242	241	0	259	225	0	0	0	0	0	0
2300	33	0	30	0	27	0	30	0	0	0	0	0	221	0	237	205	219	0	236	203	247	0	259	232	231	0	243	215	0	0	0	0	0	0
2400	46	0	46	0	40	0	44	0	0	0	0	0	252	0	262	246	250	0	265	239	265	0	271	258	248	0	254	240	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	732	0	727	0	736	0	730	0	329	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	734	0	730	0	736	0	730	0	329	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	730	0	723	0	725	0	720	0	329	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	730	0	723	0	723	0	718	0	329	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	729	0	723	0	721	0	716	0	329	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	725	0	718	0	718	0	712	0	329	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	725	0	720	0	716	0	711	0	329	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	733	0	732	0	723	0	720	0	329	0	320	0	-13	0	-14	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	752	0	747	0	738	0	734	0	329	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	759	0	754	0	746	0	732	0	329	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	775	0	770	0	760	0	747	0	329	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	759	0	754	0	754	0	730	0	329	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	774	0	770	0	756	0	732	0	329	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	784	0	779	0	745	0	743	0	329	0	320	0	-39	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	783	0	777	0	743	0	739	0	329	0	320	0	-40	0	-40	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	779	0	774	0	748	0	745	0	329	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	788	0	783	0	752	0	749	0	329	0	320	0	-35	0	-34	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	766	0	761	0	752	0	747	0	329	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	733	0	723	0	723	0	710	0	329	0	320	0	-5	0	-5	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	721	0	716	0	721	0	716	0	329	0	320	0	0	0	2	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	720	0	712	0	725	0	720	0	329	0	320	0	7	0	7	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	716	0	711	0	730	0	725	0	329	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	720	0	712	0	743	0	738	0	329	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	723	0	716	0	743	0	743	0	329	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	46	1	45	0	58	1	53	0	0	0	0	0	256	0	269	242	252	0	267	222	279	0	293	259	256	0	274	240	0	0	0	0	0	0	0	0
200	66	0	65	0	95	0	130	0	0	0	0	0	255	0	276	237	252	0	280	222	269	0	276	263	252	0	260	247	0	0	0	0	0	0	0	0
300	57	0	57	0	81	1	85	0	0	0	0	0	248	0	272	229	246	0	282	223	267	0	281	255	250	0	266	237	0	0	0	0	0	0	0	0
400	38	0	37	0	65	0	54	0	0	0	0	0	301	0	341	239	296	0	339	227	329	0	1	286	306	0	336	266	0	0	0	0	0	0	0	0
500	46	1	42	0	95	0	95	0	0	0	0	0	334	0	2	294	329	0	4	284	342	0	356	324	319	0	329	301	0	0	0	0	0	0	0	0
600	53	0	48	0	91	0	90	0	0	0	0	0	345	0	10	311	338	0	14	297	353	0	12	337	331	0	346	320	0	0	0	0	0	0	0	0
700	34	0	32	0	74	0	72	0	0	0	0	0	11	0	41	335	8	0	97	322	5	0	19	343	343	0	10	320	0	0	0	0	0	0	0	0
800	15	0	14	0	19	0	18	0	0	0	0	0	283	3	355	196	230	3	357	181	11	3	179	271	350	3	171	270	0	0	0	0	0	0	0	0
900	31	0	29	0	37	0	39	0	0	0	0	0	293	0	359	242	285	3	346	216	317	0	0	295	295	0	300	269	0	0	0	0	0	0	0	0
1000	47	0	46	0	58	0	66	0	0	0	0	0	297	0	340	247	292	0	345	231	315	0	351	298	292	0	325	264	0	0	0	0	0	0	0	0
1100	56	0	55	0	77	0	79	0	0	0	0	0	293	0	333	257	296	0	355	236	309	0	323	288	297	0	298	276	0	0	0	0	0	0	0	0
1200	81	0	78	0	97	0	90	0	0	0	0	0	300	0	344	280	294	0	355	253	301	0	312	289	279	0	290	269	0	0	0	0	0	0	0	0
1300	59	0	56	0	73	0	73	0	0	0	0	0	291	0	339	257	285	0	338	241	309	0	323	292	297	0	299	269	0	0	0	0	0	0	0	0
1400	55	0	55	0	69	0	70	0	0	0	0	0	273	0	341	200	273	0	346	213	287	0	333	216	268	0	309	207	0	0	0	0	0	0	0	0
1500	63	0	63	0	59	0	59	0	0	0	0	0	266	0	301	217	261	0	305	209	270	0	309	218	250	0	273	208	0	0	0	0	0	0	0	0
1600	58	0	54	0	59	0	62	0	0	0	0	0	269	0	303	232	266	0	299	207	260	0	315	221	243	0	274	191	0	0	0	0	0	0	0	0
1700	29	0	28	0	27	0	31	0	0	0	0	0	253	0	307	198	256	3	341	200	273	0	331	220	253	0	313	125	0	0	0	0	0	0	0	0
1800	14	0	16	0	20	0	23	0	0	0	0	0	269	0	346	182	276	3	340	205	316	0	172	277	296	0	353	264	0	0	0	0	0	0	0	0
1900	35	0	26	0	43	0	43	0	0	0	0	0	212	0	230	179	210	0	243	170	218	0	237	213	203	0	221	195	0	0	0	0	0	0	0	0
2000	33	0	30	0	65	0	58	0	0	0	0	0	204	0	225	179	203	3	262	152	204	0	210	201	189	0	195	134	0	0	0	0	0	0	0	0
2100	49	0	37	0	94	0	85	0	0	0	0	0	209	0	231	167	200	0	244	150	220	0	224	214	206	0	210	198	0	0	0	0	0	0	0	0
2200	60	0	54	0	109	0	116	0	0	0	0	0	229	0	258	201	228	0	261	198	244	0	259	220	228	0	243	209	0	0	0	0	0	0	0	0
2300	87	0	83	0	146	0	157	0	0	0	0	0	237	0	259	203	235	0	272	190	251	0	259	241	233	0	241	211	0	0	0	0	0	0	0	0
2400	89	0	84	0	147	0	157	0	0	0	0	0	236	0	259	213	234	0	265	199	244	0	261	226	228	0	247	207	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	721	0	714	0	723	0	718	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	725	0	718	0	729	0	725	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	725	0	718	0	723	0	718	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	720	0	714	0	718	0	712	0	320	0	320	0	2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	720	0	714	0	727	0	720	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	718	0	711	0	726	0	720	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	723	0	716	0	727	0	721	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	761	0	754	0	763	0	756	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	768	0	765	0	763	0	757	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	775	0	770	0	768	0	761	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	792	0	786	0	759	0	756	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	795	0	790	0	757	0	754	0	320	0	320	0	-33	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	811	0	810	0	766	0	763	0	320	0	320	0	-47	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	817	0	811	0	773	0	766	0	320	0	320	0	-47	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	797	0	793	0	799	0	797	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	846	0	842	0	826	0	824	0	320	0	320	0	-19	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	883	0	878	0	862	0	858	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	867	0	862	0	851	0	847	0	321	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	822	0	815	0	826	0	820	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	806	0	799	0	826	0	820	0	320	0	320	0	23	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	793	0	786	0	826	0	820	0	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	775	0	768	0	779	0	773	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	788	0	783	0	795	0	790	0	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	786	0	779	0	795	0	790	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

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REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	89	0	85	0	160	0	159	0	0	0	0	0	232	0	267	209	238	0	275	199	247	0	261	235	230	0	248	212	0	0	0	0	0	0	
200	89	0	82	0	156	0	156	0	0	0	0	0	231	0	266	190	232	0	321	137	239	0	259	215	222	0	248	196	0	0	0	0	0	0	
300	95	0	87	0	153	0	156	0	0	0	0	0	232	0	270	204	230	0	273	199	235	0	258	219	218	0	241	180	0	0	0	0	0	0	
400	87	0	85	0	145	0	154	0	0	0	0	0	239	0	271	216	237	0	282	196	243	0	271	220	226	0	254	198	0	0	0	0	0	0	
500	84	0	81	0	129	0	136	0	0	0	0	0	240	0	265	200	239	0	288	195	242	0	264	214	225	0	246	205	0	0	0	0	0	0	
600	79	0	76	0	121	0	125	0	0	0	0	0	240	0	271	197	239	0	274	204	242	0	260	220	225	0	258	196	0	0	0	0	0	0	
700	83	0	88	0	127	0	129	0	0	0	0	0	247	0	273	226	247	0	279	213	253	0	261	241	236	0	248	215	0	0	0	0	0	0	
800	90	0	89	0	130	0	137	0	0	0	0	0	251	0	297	215	247	0	311	206	254	0	275	225	237	0	257	209	0	0	0	0	0	0	
900	77	0	75	0	113	0	117	0	0	0	0	0	244	0	270	192	243	0	308	199	240	0	264	214	224	0	244	199	0	0	0	0	0	0	
1000	89	0	95	0	121	0	123	0	0	0	0	0	242	0	277	204	242	0	283	182	238	0	269	211	220	0	253	192	0	0	0	0	0	0	
1100	89	0	88	0	121	0	125	0	0	0	0	0	246	0	275	200	245	0	284	193	248	0	271	225	230	0	249	198	0	0	0	0	0	0	
1200	103	0	107	0	154	0	166	0	0	0	0	0	263	0	286	231	261	0	303	203	265	0	289	237	247	0	270	213	0	0	0	0	0	0	
1300	57	0	53	0	75	0	78	0	0	0	0	0	296	0	329	229	293	0	336	210	302	0	316	279	281	0	302	247	0	0	0	0	0	0	
1400	57	0	57	0	61	0	64	0	0	0	0	0	247	0	293	224	245	0	308	214	258	0	289	238	241	0	261	223	0	0	0	0	0	0	
1500	63	0	63	0	93	0	93	0	0	0	0	0	242	0	282	197	242	0	297	194	239	0	271	208	221	0	247	198	0	0	0	0	0	0	
1600	53	0	47	0	67	0	71	0	0	0	0	0	239	0	293	205	238	0	296	194	234	0	254	204	219	0	250	171	0	0	0	0	0	0	
1700	47	0	47	0	66	0	69	0	0	0	0	0	253	0	297	196	251	0	292	201	257	0	286	232	239	0	267	208	0	0	0	0	0	0	
1800	33	0	38	0	52	0	56	0	0	0	0	0	265	0	317	225	263	0	319	202	283	0	331	243	264	0	321	228	0	0	0	0	0	0	
1900	49	0	46	0	69	0	67	0	0	0	0	0	5	0	56	294	358	0	64	297	10	0	74	294	355	0	144	313	0	0	0	0	0	0	
2000	53	0	52	0	84	0	82	0	0	0	0	0	35	0	58	11	31	0	72	4	32	0	52	1	13	0	42	358	0	0	0	0	0	0	
2100	81	0	78	0	106	0	106	0	0	0	0	0	38	0	65	13	34	0	74	6	41	0	65	20	20	0	52	359	0	0	0	0	0	0	
2200	72	0	90	0	112	0	129	0	0	0	0	0	57	0	80	36	53	0	105	25	56	0	68	46	39	0	54	25	0	0	0	0	0	0	
2300	81	0	90	0	117	0	133	0	0	0	0	0	57	0	85	36	53	0	103	18	60	0	91	43	41	0	62	26	0	0	0	0	0	0	
2400	62	0	66	0	91	0	103	0	0	0	0	0	71	0	107	43	67	0	119	11	68	0	88	42	49	0	79	22	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	783	0	775	0	790	0	734	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	772	0	765	0	777	0	774	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	766	0	761	0	768	0	763	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	763	0	757	0	761	0	757	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	750	0	743	0	747	0	741	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	743	0	736	0	743	0	738	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	745	0	739	0	741	0	738	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	752	0	747	0	743	0	739	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	761	0	756	0	747	0	741	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	774	0	768	0	756	0	752	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	766	0	761	0	752	0	748	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	765	0	759	0	750	0	745	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	772	0	766	0	758	0	745	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	765	0	759	0	757	0	754	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	752	0	747	0	739	0	734	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	756	0	750	0	745	0	739	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	763	0	756	0	754	0	748	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	754	0	748	0	747	0	743	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	745	0	738	0	734	0	729	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	730	0	723	0	723	0	718	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	721	0	716	0	714	0	709	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	702	0	694	0	703	0	698	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	703	0	696	0	703	0	698	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	687	0	632	0	689	0	685	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 1504	S	WIND SPD4 1508	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	50	S	WIND DIR2	MIN	MAX	150A	S	WIND DIR3	MIN	MAX	150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	56	0	50	0	74	0	90	0	0	0	0	0	62	1	99	34		56	0	92	11		61	0	79	41		43	0	61	25		0	0	0	0	0	0
200	72	0	78	0	103	0	120	0	0	0	0	0	55	1	75	35		51	0	94	13		54	0	76	33		34	0	52	16		0	0	0	0	0	0
300	47	0	45	0	62	1	76	0	0	0	0	0	93	1	117	66		92	0	129	51		76	0	99	69		57	0	75	43		0	0	0	0	0	0
400	42	0	41	0	57	0	67	0	0	0	0	0	103	1	117	84		105	0	124	91		70	0	82	57		51	0	65	39		0	0	0	0	0	0
500	43	0	47	0	59	0	67	0	0	0	0	0	97	1	111	79		97	0	117	75		71	0	84	41		52	0	65	11		0	0	0	0	0	0
600	55	0	52	0	52	0	95	0	0	0	0	0	67	0	86	49		63	0	109	25		61	0	81	44		43	0	65	20		0	0	0	0	0	0
700	67	0	73	0	92	0	105	0	0	0	0	0	69	0	105	36		66	0	100	39		71	0	102	52		53	0	79	34		0	0	0	0	0	0
800	51	0	53	0	66	0	71	0	0	0	0	0	74	0	158	24		71	0	126	19		76	0	102	41		58	0	79	18		0	0	0	0	0	0
900	55	0	58	0	64	0	75	0	0	0	0	0	61	0	97	21		57	0	90	25		56	0	79	23		37	0	62	14		0	0	0	0	0	0
1000	53	0	62	0	75	0	83	0	0	0	0	0	50	0	104	15		47	0	88	17		55	0	79	27		36	0	63	9		0	0	0	0	0	0
1100	43	0	46	0	61	0	61	0	0	0	0	0	53	1	109	9		52	0	102	7		53	0	107	19		40	0	74	359		0	0	0	0	0	0
1200	75	0	77	0	96	0	99	0	0	0	0	0	48	0	107	0		44	0	100	349		50	0	81	6		31	0	65	345		0	0	0	0	0	0
1300	61	0	55	0	106	0	96	0	0	0	0	0	1	1	109	289		358	0	113	283		4	0	69	273		345	0	127	298		0	0	0	0	0	0
1400	101	0	88	0	137	0	129	0	0	0	0	0	348	1	58	270		343	0	65	277		2	0	41	327		342	0	25	298		0	0	0	0	0	0
1500	95	1	23	5	145	0	144	0	0	0	0	0	25	1	65	306		25	0	137	334		14	0	49	341		358	0	145	325		0	0	0	0	0	0
1600	92	2	84	2	148	2	153	2	0	0	0	0	231	2	270	205		229	2	268	186		234	2	253	209		218	2	236	190		0	0	0	0	0	0
1700	125	0	122	0	164	0	160	0	0	0	0	0	36	1	94	353		31	0	70	1		30	0	58	352		9	0	34	334		0	0	0	0	0	0
1800	109	0	102	0	153	0	145	0	0	0	0	0	32	1	79	357		25	0	52	359		21	0	52	345		7	0	89	326		0	0	0	0	0	0
1900	93	0	88	0	137	0	134	0	0	0	0	0	33	0	81	297		28	0	68	357		25	0	46	9		5	0	59	337		0	0	0	0	0	0
2000	95	0	90	0	141	0	135	0	0	0	0	0	35	1	65	356		30	0	59	8		34	0	57	14		16	0	60	355		0	0	0	0	0	0
2100	86	0	83	0	132	0	128	0	0	0	0	0	35	0	68	1		30	0	61	354		32	0	55	12		13	0	32	350		0	0	0	0	0	0
2200	95	0	88	0	137	0	132	0	0	0	0	0	39	0	85	11		32	0	64	8		37	0	61	22		17	0	40	0		0	0	0	0	0	0
2300	51	0	51	0	88	0	95	0	0	0	0	0	52	0	83	27		48	0	72	24		51	0	63	35		31	0	43	15		0	0	0	0	0	0
2400	92	2	84	2	148	2	153	2	0	0	0	0	231	2	270	205		229	2	268	186		234	2	253	209		218	2	236	190		0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	180A	S	D.T. 2	180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	687	0	682	0	685	0	680	0	320	0	320	0	-2	1		2	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	675	0	667	0	676	0	671	0	320	0	320	0	2	0		4	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	657	0	649	0	658	0	653	0	320	0	320	0	2	0		4	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	649	0	642	0	657	0	653	0	320	0	320	0	7	0		9	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	644	0	637	0	657	0	653	0	320	0	320	0	13	0		14	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	637	0	630	0	635	0	631	0	320	0	320	0	-2	0		0	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	639	0	631	0	631	0	628	0	320	0	320	0	-5	0		-5	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	646	0	639	0	637	0	630	0	320	0	320	0	-9	0		-9	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	667	0	662	0	651	0	644	0	320	0	320	0	-13	0		-18	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	684	0	678	0	664	0	658	0	320	0	320	0	-18	0		-20	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	709	0	705	0	693	0	682	0	320	0	320	0	-20	0		-22	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	734	0	730	0	707	0	703	0	320	0	320	0	-25	1		-27	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	747	0	743	0	714	0	709	0	320	0	320	0	-32	0		-34	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	750	0	745	0	725	0	720	0	320	0	320	0	-25	1		-25	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	754	0	750	0	725	0	720	0	320	0	320	0	-29	0		-31	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	743	2	739	2	727	2	721	2	320	0	320	0	-16	2		-18	2		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	739	0	734	0	721	0	716	0	320	0	320	0	-16	0		-18	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	733	0	725	0	720	0	714	0	320	0	320	0	-11	0		-11	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	720	0	714	0	711	0	707	0	320	0	320	0	-7	0		-7	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	712	0	705	0	709	0	703	0	320	0	320	0	-4	0		-4	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	716	0	709	0	712	0	707	0	320	0	320	0	-4	0		-2	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	718	0	711	0	714	0	709	0	320	0	320	0	-4	0		-2	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	693	0	691	0	703	0	700	0	320	0	320	0	7	0		9	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	682	2	675	2	695	2	690	2	320	0	320	0	5	2		5	2		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX		WIND DIR2	MIN	MAX		WIND DIR3	MIN	MAX		WIND DIR4	MIN	MAX		WIND DIR5	MIN	MAX		WIND DIR6		
	30 A	S	30 B	S	180A	S	180B	S		S	SC A	S		50	3	S		150A	S			150B	S				S			S				
100	72	0	66	0	145	0	145	0	0	0	0	0	105	74	134	0	108	89	124	0	102	99	104	0	85	81	98	0	0	0	0	0	0	0
200	85	0	74	0	152	0	154	0	0	0	0	0	117	96	134	0	118	103	134	0	113	112	126	0	103	97	108	0	0	0	0	0	0	0
300	80	0	68	0	136	0	138	0	0	0	0	0	119	99	132	0	120	103	133	0	128	124	133	0	114	108	119	0	0	0	0	0	0	0
400	87	0	74	0	145	0	149	0	0	0	0	0	115	94	133	0	117	103	128	0	124	114	139	0	108	105	115	0	0	0	0	0	0	0
500	80	0	68	0	132	0	139	0	0	0	0	0	120	110	132	0	121	112	131	0	132	129	138	0	118	115	122	0	0	0	0	0	0	0
600	77	0	70	0	129	0	131	0	0	0	0	0	115	99	128	0	116	96	128	0	127	118	132	0	112	105	117	0	0	0	0	0	0	0
700	64	0	60	0	108	0	110	0	0	0	0	0	111	95	123	0	117	96	136	0	131	125	136	0	116	111	122	0	0	0	0	0	0	0
800	67	0	73	0	115	0	113	0	0	0	0	0	123	103	145	0	127	106	157	0	141	134	150	0	126	118	136	0	0	0	0	0	0	0
900	59	0	66	0	84	0	91	0	0	0	0	0	121	91	147	0	122	91	159	0	139	119	165	0	124	108	150	0	0	0	0	0	0	0
1000	22	0	23	0	28	0	28	0	0	0	0	0	192	93	354	3	157	94	264	3	118	7	176	3	108	10	176	3	0	0	0	0	0	0
1100	46	0	46	0	59	0	62	0	0	0	0	0	293	243	337	0	292	243	343	0	311	299	327	0	289	280	312	0	0	0	0	0	0	0
1200	92	2	84	2	148	2	153	2	0	0	0	0	231	205	270	2	229	186	268	2	234	209	253	2	218	190	236	2	0	0	0	0	0	0
1300	53	0	54	0	74	0	76	0	0	0	0	0	329	277	33	0	331	270	53	0	338	300	93	0	313	273	345	0	0	0	0	0	0	0
1400	58	0	62	0	93	0	93	0	0	0	0	0	326	276	6	0	322	279	27	0	348	316	11	0	327	284	350	0	0	0	0	0	0	0
1500	68	0	71	0	100	0	97	0	0	0	0	0	335	274	36	0	332	278	33	0	357	313	29	0	341	301	161	0	0	0	0	0	0	0
1600	57	0	55	0	96	0	95	0	0	0	0	0	356	291	75	0	355	323	48	0	3	0	45	0	348	276	153	0	0	0	0	0	0	0
1700	72	0	72	0	98	0	98	0	0	0	0	0	33	342	76	0	30	350	100	0	17	336	53	0	3	317	158	0	0	0	0	0	0	0
1800	59	0	58	0	82	0	81	0	0	0	0	0	33	356	79	0	28	346	90	0	35	7	59	0	15	352	51	0	0	0	0	0	0	0
1900	57	0	56	0	91	0	91	0	0	0	0	0	39	19	64	0	35	2	64	0	45	25	62	0	24	6	38	0	0	0	0	0	0	0
2000	92	2	84	2	148	2	153	2	0	0	0	0	231	205	270	2	229	186	268	2	234	209	253	2	218	190	236	2	0	0	0	0	0	0
2100	51	0	61	0	103	0	110	0	0	0	0	0	67	57	77	0	65	38	87	0	61	57	67	0	44	40	49	0	0	0	0	0	0	0
2200	61	0	61	0	123	0	124	0	0	0	0	0	93	84	106	0	92	74	109	0	85	83	87	0	67	56	70	0	0	0	0	0	0	0
2300	76	0	75	0	149	0	150	0	0	0	0	0	109	102	119	0	111	89	134	0	105	103	107	0	98	87	91	0	0	0	0	0	0	0
2400	81	0	75	0	124	0	129	0	0	0	0	0	117	107	124	0	120	103	134	0	131	128	135	0	116	112	120	0	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	
	30 A	S	30 B	S	180A	S	180B	S		S		S	190A	S	180B	S		S		S		S		S		S		S		S		S		S
100	657	0	649	0	693	0	687	0	320	0	320	0	38	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
200	651	0	642	0	682	0	676	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
300	645	0	639	0	666	0	660	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
400	637	0	630	0	658	0	653	0	320	0	320	0	22	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
500	623	0	621	0	664	0	660	0	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
600	617	0	612	0	651	0	646	0	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
700	621	0	615	0	658	0	653	0	320	0	320	0	35	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
800	662	0	657	0	660	0	657	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
900	716	0	712	0	694	0	691	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1000	775	0	772	0	754	0	750	0	321	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1100	763	0	759	0	743	0	739	0	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1200	772	2	768	2	747	2	743	2	320	0	320	0	-25	2	-25	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1300	784	0	736	0	745	0	739	0	320	0	320	0	-45	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1400	783	0	734	0	748	0	745	0	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1500	786	0	733	0	752	0	748	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1600	781	0	777	0	752	0	748	0	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1700	770	0	765	0	752	0	748	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1800	763	0	759	0	752	0	748	0	320	0	320	0	-9	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1900	727	0	720	0	730	0	725	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2000	709	2	702	2	721	2	716	2	320	0	320	0	14	2	16	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2100	673	0	667	0	727	0	721	0	320	0	320	0	54	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2200	680	0	671	0	734	0	729	0	321	0	320	0	56	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2300	671	0	664	0	721	0	716	0	320	0	320	0	52	1	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2400	673	0	667	0	723	0	718	0	320	0	320	0	50	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	66	0	77	0	132	0	137	0	0	0	0	0	129	0	141	109	132	0	145	120	156	0	159	152	140	0	144	139	0	0	0	0	0	0	0	0
200	56	0	63	0	152	0	156	0	0	0	0	0	125	0	141	105	129	0	164	77	160	0	162	159	144	0	146	143	0	0	0	0	0	0	0	0
300	57	0	57	0	157	0	155	0	0	0	0	0	131	0	166	106	135	0	140	105	173	0	182	164	157	0	165	148	0	0	0	0	0	0	0	0
400	69	0	65	0	175	0	147	0	0	0	0	0	147	0	189	107	150	0	199	102	185	0	188	179	168	0	172	163	0	0	0	0	0	0	0	0
500	66	0	64	0	183	0	153	0	0	0	0	0	157	0	194	115	155	0	216	112	191	0	202	177	175	0	185	159	0	0	0	0	0	0	0	0
600	53	0	52	0	157	0	136	0	0	0	0	0	129	0	171	84	124	0	174	78	187	0	197	174	171	0	184	159	0	0	0	0	0	0	0	0
700	29	0	26	0	41	0	46	0	0	0	0	0	231	0	264	161	234	0	314	183	252	0	263	236	235	0	255	207	0	0	0	0	0	0	0	0
800	25	0	26	0	39	0	43	0	0	0	0	0	207	0	244	165	207	0	246	108	239	0	256	213	223	0	243	198	0	0	0	0	0	0	0	0
900	34	0	39	0	44	0	48	0	0	0	0	0	250	0	292	199	250	0	307	198	241	0	277	209	225	0	296	200	0	0	0	0	0	0	0	0
1000	66	0	70	0	71	0	76	0	0	0	0	0	270	0	315	226	267	0	313	233	266	0	282	242	247	0	262	213	0	0	0	0	0	0	0	0
1100	53	0	56	0	61	0	64	0	0	0	0	0	267	0	325	232	263	0	300	215	280	0	306	243	259	0	291	221	0	0	0	0	0	0	0	0
1200	56	0	57	0	63	0	75	0	0	0	0	0	261	0	320	249	280	0	335	248	279	0	306	234	260	0	300	208	0	0	0	0	0	0	0	0
1300	51	0	55	0	64	0	69	0	0	0	0	0	297	0	348	252	295	0	352	251	300	0	334	260	278	0	309	231	0	0	0	0	0	0	0	0
1400	48	0	47	0	69	0	71	0	0	0	0	0	293	0	350	229	291	0	333	226	319	0	351	273	296	0	320	271	0	0	0	0	0	0	0	0
1500	52	0	50	0	74	0	80	0	0	0	0	0	329	0	13	286	327	0	22	294	336	0	0	299	314	0	346	285	0	0	0	0	0	0	0	0
1600	56	0	57	0	81	0	80	0	0	0	0	0	355	0	64	286	353	0	137	200	4	0	47	303	391	0	21	294	0	0	0	0	0	0	0	0
1700	37	0	40	0	57	0	56	0	0	0	0	0	32	0	115	291	30	0	88	300	21	0	53	344	5	0	48	323	0	0	0	0	0	0	0	0
1800	31	0	33	0	37	0	37	0	0	0	0	0	30	0	68	353	25	0	60	350	21	0	59	339	0	0	35	316	0	0	0	0	0	0	0	0
1900	22	0	27	0	31	0	34	0	0	0	0	0	62	3	103	41	59	3	91	25	47	0	69	17	25	0	44	7	0	0	0	0	0	0	0	0
2000	36	0	41	0	39	0	44	0	0	0	0	0	77	0	33	68	75	0	81	63	78	0	84	72	60	0	66	54	0	0	0	0	0	0	0	0
2100	47	0	48	0	51	0	53	0	0	0	0	0	93	0	104	92	97	0	109	91	105	0	111	100	89	0	95	84	0	0	0	0	0	0	0	0
2200	54	0	58	0	66	0	68	0	0	0	0	0	115	0	123	111	118	0	126	109	120	0	121	115	105	0	106	99	0	0	0	0	0	0	0	0
2300	56	0	56	0	76	0	76	0	0	0	0	0	125	0	133	120	128	0	136	121	137	0	142	132	123	0	126	117	0	0	0	0	0	0	0	0
2400	62	0	62	0	105	0	109	0	0	0	0	0	159	0	173	128	151	0	180	125	160	0	162	159	145	0	146	143	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN	S
100	655	0	648	0	712	0	709	0	320	0	320	0	59	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
200	637	0	630	0	705	0	698	0	320	0	320	0	65	0	67	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
300	624	0	617	0	687	0	682	0	320	0	320	0	63	0	65	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
400	626	0	619	0	682	0	676	0	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
500	635	0	628	0	673	0	669	0	320	0	320	0	40	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
600	603	0	601	0	669	0	662	0	320	0	320	0	58	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
700	659	0	653	0	664	0	658	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
800	687	0	684	0	673	0	673	0	320	0	320	0	-9	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
900	727	0	721	0	707	0	703	0	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1000	723	0	720	0	725	0	723	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1100	748	0	745	0	738	0	734	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1200	768	0	763	0	748	0	747	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1300	801	0	797	0	759	0	752	0	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1400	802	0	801	0	759	0	758	0	320	0	320	0	-50	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1500	801	0	795	0	768	0	765	0	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1600	797	0	793	0	775	0	772	0	320	0	320	0	-29	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1700	820	0	815	0	783	0	777	0	320	0	320	0	-33	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1800	797	0	792	0	795	0	781	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1900	747	0	739	0	747	0	741	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
2000	705	0	700	0	748	0	743	0	320	0	320	0	43	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
2100	716	0	707	0	752	0	747	0	320	0	320	0	35	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
2200	711	0	703	0	755	0	745	0	320	0	320	0	41	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
2300	707	0	700	0	750	0	743	0	320	0	320	0	43	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
2400	681	0	675	0	752	0	748	0	320	0	320	0	72	0	74	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND DIR2 MIN	MAX 50 B	S	WIND DIR3 MIN	MAX 150A	S	WIND DIR4 MIN	MAX 150B	S	WIND DIR5 MIN	MAX	S	WIND DIR6 MIN	MAX	S
100	66	0	67	0	94	0	94	0	0	0	0	0	161	121	129	0	166	132	0	173	177	0	156	161	0	0	0	0
200	60	0	60	0	143	0	150	0	0	0	0	0	153	122	189	0	152	115	0	168	170	0	151	154	0	0	0	0
300	55	0	59	0	135	0	122	0	0	0	0	0	161	119	199	0	160	119	0	182	180	0	166	168	0	0	0	0
400	53	0	59	0	139	0	118	0	0	0	0	0	162	137	195	0	168	125	0	180	182	0	164	167	0	0	0	0
500	57	0	57	0	142	0	112	0	0	0	0	0	170	138	205	0	171	130	0	194	197	0	178	182	0	0	0	0
600	66	0	66	0	141	0	113	0	0	0	0	0	173	135	194	0	168	106	0	201	210	0	186	194	0	0	0	0
700	63	0	61	0	147	0	128	0	0	0	0	0	165	133	194	0	166	118	0	207	211	0	192	198	0	0	0	0
800	47	0	44	0	103	0	97	0	0	0	0	0	179	124	217	0	182	140	0	221	230	0	206	215	0	0	0	0
900	23	0	27	0	54	0	56	0	0	0	0	0	222	170	263	0	227	143	0	230	254	0	213	246	0	0	0	0
1000	54	0	52	0	72	0	77	0	0	0	0	0	241	195	295	0	239	188	0	242	287	0	225	250	0	0	0	0
1100	77	0	75	0	84	0	90	0	0	0	0	0	244	223	283	0	242	195	0	256	299	0	239	274	0	0	0	0
1200	61	0	61	0	77	0	82	0	0	0	0	0	261	231	298	0	258	219	0	274	328	0	256	288	0	0	0	0
1300	75	0	74	0	106	0	111	0	0	0	0	0	301	267	329	0	293	245	0	301	311	0	279	286	0	0	0	0
1400	70	0	72	0	102	0	105	0	0	0	0	0	303	266	344	0	296	238	0	311	343	0	298	320	0	0	0	0
1500	55	0	60	0	91	0	96	0	0	0	0	0	307	255	350	0	302	248	0	312	340	0	299	317	0	0	0	0
1600	47	0	51	0	82	0	85	0	0	0	0	0	302	249	340	0	298	239	0	317	339	0	294	325	0	0	0	0
1700	47	0	49	0	61	0	64	0	0	0	0	0	314	261	354	0	314	275	0	326	348	0	302	338	0	0	0	0
1800	33	0	35	0	53	0	38	0	0	0	0	0	257	222	351	0	254	185	0	267	339	0	250	347	0	0	0	0
1900	23	0	31	0	25	0	28	0	0	0	0	0	127	114	149	0	131	111	0	152	266	0	142	262	0	0	0	0
2000	37	0	39	0	45	0	47	0	0	0	0	0	129	123	139	0	133	125	0	141	148	0	129	132	0	0	0	0
2100	47	0	52	0	56	0	59	0	0	0	0	0	149	138	164	0	151	135	0	160	165	0	148	152	0	0	0	0
2200	54	0	49	0	109	0	91	0	0	0	0	0	185	153	216	0	185	132	0	202	220	0	187	209	0	0	0	0
2300	60	0	55	0	108	0	115	0	0	0	0	0	226	202	251	0	226	191	0	241	256	0	224	235	0	0	0	0
2400	62	0	52	0	104	0	109	0	0	0	0	0	217	181	238	0	216	182	0	240	247	0	222	229	0	0	0	0

	AMB. TEMP1 30 A	S	AMB. TEMP2 30 B	S	AMB. TEMP3 150A	S	AMB. TEMP4 150B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	689	0	682	0	756	0	750	0	320	0	320	0	69	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	664	0	657	0	730	0	725	0	320	0	320	0	68	0	70	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	655	0	648	0	721	0	716	0	320	0	320	0	69	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	653	0	648	0	738	0	732	0	320	0	320	0	85	0	86	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	649	0	642	0	741	0	736	0	320	0	320	0	92	0	94	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	646	0	639	0	745	0	741	0	320	0	320	0	101	0	101	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	653	0	648	0	754	0	750	0	320	0	320	0	103	0	103	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	709	0	705	0	765	0	761	0	320	0	320	0	58	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	779	0	775	0	761	0	757	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	786	0	781	0	774	0	770	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	795	0	790	0	783	0	779	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	797	0	792	0	797	0	795	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	820	0	815	0	775	0	772	0	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	840	0	835	0	793	0	790	0	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	844	0	840	0	801	0	797	0	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	842	0	837	0	804	0	801	0	320	0	320	0	-38	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	847	0	840	0	829	0	817	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	837	0	831	0	822	0	819	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	793	0	781	0	795	0	790	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	784	0	775	0	797	0	792	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	765	0	757	0	801	0	795	0	320	0	320	0	39	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	750	0	745	0	792	0	786	0	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	747	0	741	0	776	0	765	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	738	0	732	0	773	0	765	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 30 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	65	0	55	0	123	0	134	0	0	0	0	0	193	0	221	157	193	0	243	148	227	0	238	216	212	0	217	203	0	0	0	0	0	0
200	61	0	54	0	165	0	139	0	0	0	0	0	166	0	193	132	166	0	206	117	209	0	214	195	189	0	198	176	0	0	0	0	0	0
300	57	0	56	0	171	0	140	0	0	0	0	0	173	0	212	146	175	0	236	119	201	0	216	188	185	0	198	171	0	0	0	0	0	0
400	63	0	59	0	171	0	153	0	0	0	0	0	195	0	221	147	194	0	249	114	209	0	218	199	195	0	207	191	0	0	0	0	0	0
500	64	0	57	0	175	0	156	0	0	0	0	0	182	0	248	145	199	0	256	108	207	0	220	192	193	0	204	176	0	0	0	0	0	0
600	57	0	49	0	143	0	133	0	0	0	0	0	197	0	238	157	197	0	262	135	215	0	222	205	201	0	210	190	0	0	0	0	0	0
700	53	0	44	0	142	0	130	0	0	0	0	0	201	0	234	155	203	0	293	165	219	0	227	205	204	0	214	198	0	0	0	0	0	0
800	55	0	46	0	127	0	114	0	0	0	0	0	199	0	232	148	202	0	267	136	216	0	223	198	201	0	214	186	0	0	0	0	0	0
900	44	0	38	0	74	0	71	0	0	0	0	0	215	0	260	156	216	0	256	94	220	0	256	178	205	0	238	175	0	0	0	0	0	0
1000	65	0	63	0	96	0	71	0	0	0	0	0	234	0	273	193	229	0	268	134	225	0	263	176	207	0	240	160	0	0	0	0	0	0
1100	85	0	84	0	124	0	129	0	0	0	0	0	241	0	284	211	241	0	293	198	242	0	280	210	223	0	266	188	0	0	0	0	0	0
1200	99	0	95	0	135	0	141	0	0	0	0	0	239	0	273	207	236	0	284	183	244	0	279	215	224	0	266	187	0	0	0	0	0	0
1300	120	0	122	0	146	0	155	0	0	0	0	0	242	0	277	225	245	0	301	215	247	0	264	225	230	0	248	204	0	0	0	0	0	0
1400	103	0	98	0	131	0	139	0	0	0	0	0	245	0	276	219	243	0	270	208	256	0	283	237	237	0	277	217	0	0	0	0	0	0
1500	93	0	92	0	131	0	138	0	0	0	0	0	261	0	321	226	257	0	350	204	261	0	283	214	244	0	271	203	0	0	0	0	0	0
1600	67	0	66	0	98	0	102	0	0	0	0	0	247	0	278	221	246	0	294	201	262	0	290	226	244	0	272	213	0	0	0	0	0	0
1700	87	0	87	0	111	0	124	0	0	0	0	0	248	0	279	220	247	0	302	192	258	0	271	210	233	0	250	191	0	0	0	0	0	0
1800	71	0	69	0	119	0	125	0	0	0	0	0	239	0	301	204	238	0	287	185	243	0	271	216	225	0	269	190	0	0	0	0	0	0
1900	64	0	58	0	117	0	118	0	0	0	0	0	225	0	259	192	226	0	340	190	228	0	252	207	212	0	237	190	0	0	0	0	0	0
2000	45	0	37	0	132	0	118	0	0	0	0	0	197	0	265	138	189	0	250	103	206	0	216	198	191	0	201	180	0	0	0	0	0	0
2100	47	0	42	0	144	0	123	0	0	0	0	0	188	0	266	115	185	0	236	101	203	0	210	191	188	0	199	176	0	0	0	0	0	0
2200	56	0	48	0	165	0	142	0	0	0	0	0	189	0	253	117	182	0	247	104	203	0	221	111	187	0	205	170	0	0	0	0	0	0
2300	57	0	49	0	156	0	127	0	0	0	0	0	183	0	232	100	186	0	251	95	199	0	213	170	194	0	198	170	0	0	0	0	0	0
2400	55	0	49	0	153	0	125	0	0	0	0	0	193	0	263	102	189	0	266	109	200	0	218	176	195	0	203	164	0	0	0	0	0	0

	AMB. TEMP1 30 A	S	AMB. TEMP2 30 B	S	AMB. TEMP3 180A	S	AMB. TEMP4 180B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	693	0	693	0	768	0	765	0	320	0	320	0	72	0	72	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	662	0	662	0	752	0	747	0	320	0	320	0	83	0	85	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	660	0	655	0	720	0	716	0	320	0	320	0	61	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	667	0	660	0	729	0	723	0	320	0	320	0	63	0	65	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	657	0	651	0	721	0	718	0	320	0	320	0	67	0	67	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	655	0	649	0	711	0	707	0	320	0	320	0	58	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	662	0	657	0	705	0	698	0	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	693	0	687	0	703	0	700	0	320	0	320	0	13	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	761	0	757	0	743	0	738	0	320	0	320	0	-13	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	801	0	795	0	759	0	781	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	819	0	813	0	793	0	738	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	822	0	817	0	801	0	797	0	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	826	0	820	0	813	0	810	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	846	0	840	0	826	0	822	0	320	0	320	0	-13	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	847	0	842	0	837	0	833	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	856	0	853	0	838	0	833	0	321	0	320	0	-14	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	849	0	844	0	837	0	833	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	841	0	835	0	831	0	826	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	835	0	829	0	842	0	838	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	799	0	793	0	822	0	817	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	781	0	774	0	802	0	797	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	765	0	761	0	789	0	779	0	320	0	320	0	23	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	752	0	745	0	768	0	765	0	320	0	320	0	13	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	743	0	741	0	757	0	754	0	321	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	64	0	57	0	157	0	133	0	3	0	0	0	199	1	259	105	197	0	267	126	206	0	227	185	190	0	215	158	0	0	0	0	0	0	0	0
200	73	0	62	0	161	0	136	0	0	0	0	0	205	0	248	151	201	0	259	120	207	0	226	166	191	0	212	162	0	0	0	0	0	0	0	0
300	74	0	63	0	160	0	138	0	0	0	0	0	207	0	260	138	206	0	267	102	209	0	253	182	193	0	223	171	0	0	0	0	0	0	0	0
400	61	0	56	0	149	0	125	0	0	0	0	0	205	0	263	134	200	0	269	110	205	0	223	181	188	0	214	136	0	0	0	0	0	0	0	0
500	53	0	53	0	144	0	123	0	0	0	0	0	199	0	260	111	197	0	263	113	205	0	226	181	190	0	214	164	0	0	0	0	0	0	0	0
600	61	0	52	0	142	0	122	0	0	0	0	0	199	0	243	109	204	0	264	129	203	0	224	176	197	0	215	157	0	0	0	0	0	0	0	0
700	57	0	52	0	147	0	125	0	0	0	0	0	193	0	261	127	189	0	266	97	198	0	227	137	182	0	207	146	0	0	0	0	0	0	0	0
800	75	0	62	0	150	0	123	0	0	0	0	0	205	0	269	97	198	0	260	96	204	0	241	167	189	0	231	159	0	0	0	0	0	0	0	0
900	75	0	65	0	123	0	108	0	0	0	0	0	209	0	257	108	201	0	266	116	201	0	245	166	185	0	221	152	0	0	0	0	0	0	0	0
1000	89	0	81	0	133	0	126	0	0	0	0	0	220	0	259	151	224	0	265	159	217	0	247	147	203	0	238	164	0	0	0	0	0	0	0	0
1100	112	0	101	0	173	0	167	0	0	0	0	0	235	0	292	184	238	0	347	183	225	0	261	179	205	0	262	131	0	0	0	0	0	0	0	0
1200	127	0	117	0	203	0	193	0	0	0	0	0	230	0	263	155	229	0	266	146	229	0	269	196	213	0	266	165	0	0	0	0	0	0	0	0
1300	123	0	123	0	198	0	198	0	0	0	0	0	242	0	289	193	240	0	300	185	235	0	281	196	218	0	248	185	0	0	0	0	0	0	0	0
1400	139	0	129	0	207	0	206	0	0	0	0	0	238	0	268	207	238	0	275	185	235	0	275	204	216	0	246	187	0	0	0	0	0	0	0	0
1500	126	0	121	0	184	0	194	0	0	0	0	0	242	0	277	208	239	0	284	199	240	0	265	207	224	0	249	196	0	0	0	0	0	0	0	0
1600	119	0	116	0	195	0	205	0	0	0	0	0	249	0	287	211	243	0	315	187	241	0	267	213	223	0	251	191	0	0	0	0	0	0	0	0
1700	113	0	106	0	167	0	175	0	0	0	0	0	233	0	294	197	233	0	298	187	230	0	263	204	213	0	241	192	0	0	0	0	0	0	0	0
1800	115	0	103	0	189	0	173	0	0	0	0	0	220	0	253	127	219	0	269	125	216	0	266	166	200	0	234	153	0	0	0	0	0	0	0	0
1900	116	0	96	0	208	0	183	0	0	0	0	0	216	0	255	153	215	0	262	138	212	0	244	177	197	0	232	167	0	0	0	0	0	0	0	0
2000	85	0	70	0	165	0	142	0	0	0	0	0	203	0	264	126	201	0	261	144	203	0	232	161	198	0	224	151	0	0	0	0	0	0	0	0
2100	125	0	100	0	208	0	187	0	0	0	0	0	213	0	269	112	217	0	263	135	214	0	248	178	199	0	229	146	0	0	0	0	0	0	0	0
2200	98	0	92	0	219	0	181	0	0	0	0	0	196	0	269	128	191	0	268	98	202	0	250	136	197	0	221	140	0	0	0	0	0	0	0	0
2300	139	0	123	0	219	0	208	0	0	0	0	0	229	0	260	185	228	0	260	146	230	0	262	202	215	0	238	198	0	0	0	0	0	0	0	0
2400	45	0	37	0	87	0	89	0	0	0	0	0	201	0	228	148	201	0	260	156	225	0	233	213	210	0	219	198	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	745	0	739	0	756	0	750	0	320	0	320	0	11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	741	0	734	0	748	0	743	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	730	0	725	0	739	0	729	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	723	0	718	0	723	0	718	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	712	0	705	0	716	0	712	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	707	0	702	0	712	0	709	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	712	0	707	0	712	0	709	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	743	0	738	0	730	0	725	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	779	0	774	0	759	0	754	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	819	0	813	0	801	0	795	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	855	0	851	0	825	0	824	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	864	0	858	0	844	0	840	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	869	0	864	0	842	0	838	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	882	0	876	0	859	0	853	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	867	0	864	0	847	0	844	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	853	0	853	0	842	0	837	0	320	0	320	0	-15	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	871	0	865	0	860	0	855	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	867	0	862	0	858	0	853	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	849	0	844	0	846	0	842	0	320	0	320	0	-2	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	837	0	831	0	835	0	829	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	823	0	822	0	824	0	819	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	786	0	781	0	781	0	775	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	671	0	666	0	676	0	669	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	684	0	678	0	703	0	700	0	320	0	320	0	21	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
100	93	0	90	0	121	0	127	0	0	0	0	0	122	0	142	112	133	0	173	111	182	0	196	165	167	0	177	153	0	0	0	0	0	0
200	78	0	77	0	113	0	115	0	0	0	0	0	253	0	292	217	254	0	314	191	267	0	335	230	250	0	332	209	0	0	0	0	0	0
300	92	0	90	0	161	0	152	0	0	0	0	0	235	0	272	198	235	0	297	193	237	0	271	209	221	0	248	179	0	0	0	0	0	0
400	147	0	145	0	201	0	200	0	0	0	0	0	269	0	303	233	265	0	340	211	285	0	322	252	265	0	306	231	0	0	0	0	0	0
500	143	0	145	0	211	0	216	0	0	0	0	0	292	0	329	264	287	0	338	226	305	0	331	277	283	0	314	257	0	0	0	0	0	0
600	82	0	83	0	124	0	133	0	0	0	0	0	255	0	300	221	255	0	320	219	260	0	288	235	241	0	278	215	0	0	0	0	0	0
700	82	0	86	0	117	0	122	0	0	0	0	0	251	0	285	207	249	0	287	198	257	0	275	230	241	0	259	217	0	0	0	0	0	0
800	70	0	66	0	110	0	112	0	0	0	0	0	231	0	273	201	231	0	282	189	232	0	262	199	214	0	240	180	0	0	0	0	0	0
900	91	0	86	0	125	0	118	0	0	0	0	0	231	0	272	184	231	0	273	180	232	0	263	210	214	0	243	192	0	0	0	0	0	0
1000	99	0	102	0	125	0	130	0	0	0	0	0	251	0	301	213	249	0	294	211	245	0	266	209	227	0	247	192	0	0	0	0	0	0
1100	154	0	151	0	201	0	227	0	0	0	0	0	263	0	286	215	259	0	294	201	266	0	294	233	249	0	263	212	0	0	0	0	0	0
1200	100	0	99	0	147	0	140	0	0	0	0	0	237	0	290	192	237	0	272	188	237	0	283	187	220	0	250	180	0	0	0	0	0	0
1300	123	0	124	0	171	0	177	0	0	0	0	0	272	0	312	242	268	0	330	226	286	0	328	228	265	0	301	217	0	0	0	0	0	0
1400	105	0	104	0	143	0	147	0	0	0	0	0	282	0	353	209	277	0	345	216	295	0	329	249	274	0	329	223	0	0	0	0	0	0
1500	123	0	123	0	177	0	133	0	0	0	0	0	299	0	331	266	296	0	344	246	311	0	322	303	289	0	299	280	0	0	0	0	0	0
1600	113	0	116	0	160	0	152	0	0	0	0	0	309	0	343	275	305	0	346	269	319	0	333	300	296	0	313	287	0	0	0	0	0	0
1700	61	0	60	0	83	0	84	0	0	0	0	0	304	0	331	257	301	0	346	243	313	0	329	299	289	0	311	269	0	0	0	0	0	0
1800	55	0	50	0	84	0	86	0	0	0	0	0	224	0	281	189	228	0	280	191	231	0	267	202	214	0	246	179	0	0	0	0	0	0
1900	90	0	88	0	127	0	136	0	0	0	0	0	248	0	269	216	246	0	279	203	252	0	273	228	234	0	262	201	0	0	0	0	0	0
2000	92	2	94	2	149	2	153	2	0	0	0	0	231	2	270	205	229	2	268	186	234	2	253	209	218	2	236	190	0	0	0	0	0	0
2100	138	0	133	0	185	0	137	0	0	0	0	0	274	0	325	241	272	0	328	213	290	0	331	239	270	0	306	217	0	0	0	0	0	0
2200	184	0	175	0	246	0	249	0	0	0	0	0	311	0	337	295	306	0	341	256	319	0	336	309	294	0	306	287	0	0	0	0	0	0
2300	182	0	174	0	251	0	256	0	0	0	0	0	305	0	335	282	298	0	340	256	316	0	324	306	292	0	301	295	0	0	0	0	0	0
2400	188	0	185	0	266	0	271	0	0	0	0	0	303	0	331	283	298	0	341	250	314	0	323	304	291	0	301	280	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 39 B	S	AMB. TEM3 160A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	676	0	671	0	739	0	734	0	320	0	320	0	63	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	713	0	711	0	732	0	727	0	320	0	320	0	15	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	713	0	711	0	720	0	714	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	673	0	667	0	676	0	671	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	693	0	687	0	694	0	689	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	682	0	684	0	689	0	682	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	693	0	691	0	696	0	691	0	320	0	320	0	-9	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	684	0	678	0	675	0	667	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	705	0	700	0	691	0	684	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	725	0	718	0	711	0	707	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	743	0	738	0	729	0	721	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	734	0	727	0	721	0	716	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	739	0	732	0	727	0	723	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	713	0	712	0	712	0	707	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	693	0	687	0	697	0	684	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	718	0	711	0	702	0	696	0	320	0	320	0	-13	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	725	0	720	0	709	0	705	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	725	0	718	0	705	0	702	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	705	0	698	0	702	0	696	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	721	2	716	2	721	2	714	2	320	0	320	0	2	2	0	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	745	0	739	0	741	0	736	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	727	0	720	0	725	0	720	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	718	0	712	0	723	0	714	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	707	0	702	0	709	0	713	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	218	0	208	0	235	0	239	0	0	0	0	0	310	0	330	281	306	0	349	246	319	0	332	311	295	0	311	237	0	0	0	0	0	0	0	0
200	153	0	157	0	237	0	245	0	0	0	0	0	294	0	336	245	290	0	336	239	307	0	322	290	284	0	298	265	0	0	0	0	0	0	0	0
300	156	0	157	0	206	0	216	0	0	0	0	0	285	0	320	253	282	0	346	237	295	0	332	237	274	0	298	229	0	0	0	0	0	0	0	0
400	161	0	161	0	211	0	225	0	0	0	0	0	284	0	311	253	282	0	344	218	298	0	325	255	276	0	306	232	0	0	0	0	0	0	0	0
500	221	0	213	0	316	0	328	0	0	0	0	0	296	0	323	268	292	0	358	235	306	0	326	267	283	0	297	257	0	0	0	0	0	0	0	0
600	192	0	185	0	263	0	268	0	0	0	0	0	301	0	326	274	296	0	336	253	313	0	321	303	299	0	298	280	0	0	0	0	0	0	0	0
700	173	0	165	0	235	0	239	0	0	0	0	0	312	0	332	295	306	0	348	245	322	0	339	305	298	0	319	294	0	0	0	0	0	0	0	0
800	141	0	140	0	199	0	198	0	0	0	0	0	315	0	344	291	311	0	351	263	326	0	339	299	302	0	323	280	0	0	0	0	0	0	0	0
900	106	0	105	0	144	0	148	0	0	0	0	0	315	0	352	284	309	0	352	267	328	0	355	295	305	0	335	284	0	0	0	0	0	0	0	0
1000	96	0	93	0	131	0	132	0	0	0	0	0	303	0	347	269	305	0	351	216	323	0	346	295	299	0	356	294	0	0	0	0	0	0	0	0
1100	90	0	92	0	130	0	132	0	0	0	0	0	313	0	349	279	309	0	340	263	326	0	348	283	303	0	341	274	0	0	0	0	0	0	0	0
1200	84	0	86	0	112	0	116	0	0	0	0	0	305	0	349	268	303	0	358	239	318	0	339	298	295	0	329	273	0	0	0	0	0	0	0	0
1300	70	0	69	0	97	0	99	0	0	0	0	0	312	0	356	273	304	0	359	249	324	0	356	293	300	0	334	264	0	0	0	0	0	0	0	0
1400	57	0	57	0	76	0	79	0	0	0	0	0	299	0	347	255	291	0	358	240	313	0	9	288	290	0	337	258	0	0	0	0	0	0	0	0
1500	72	0	69	0	91	0	94	0	0	0	0	0	309	0	354	269	295	0	346	264	309	0	334	272	286	0	309	260	0	0	0	0	0	0	0	0
1600	34	0	34	0	45	0	45	0	0	0	0	0	295	0	353	240	239	0	354	202	322	0	42	287	300	0	355	264	0	0	0	0	0	0	0	0
1700	37	0	38	0	56	0	56	0	0	0	0	0	30	0	177	304	24	0	111	298	22	0	66	333	0	0	54	301	0	0	0	0	0	0	0	0
1800	23	0	25	0	28	0	31	0	0	0	0	0	45	3	99	12	40	3	131	3	41	3	87	11	22	0	73	347	0	0	0	0	0	0	0	0
1900	30	0	31	0	34	0	36	0	0	0	0	0	96	0	115	80	97	0	116	87	108	0	113	87	91	0	105	70	0	0	0	0	0	0	0	0
2000	36	0	38	0	49	0	51	0	0	0	0	0	118	0	128	95	120	0	136	91	116	0	121	98	100	0	105	82	0	0	0	0	0	0	0	0
2100	56	0	56	0	79	0	80	0	0	0	0	0	126	0	129	121	120	0	133	119	121	0	125	119	105	0	110	103	0	0	0	0	0	0	0	0
2200	56	0	58	0	105	0	113	0	0	0	0	0	147	3	165	129	148	0	180	113	147	0	149	143	132	0	133	129	0	0	0	0	0	0	0	0
2300	59	0	62	0	117	0	120	0	0	0	0	0	147	0	170	118	148	0	191	113	159	0	177	148	143	0	161	133	0	0	0	0	0	0	0	0
2400	56	0	55	0	123	0	133	0	0	0	0	0	150	0	189	125	152	0	205	118	168	0	169	166	151	0	151	150	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	709	0	703	0	709	0	703	0	320	0	320	0	0	3	0	0	0	0	0	0	325	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	702	0	694	0	703	0	700	0	320	0	320	0	4	3	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	707	0	702	0	706	0	700	0	320	0	320	0	-2	3	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	707	0	702	0	706	0	700	0	320	0	320	0	2	3	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	702	0	696	0	693	0	693	0	320	0	320	0	-4	3	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	680	0	675	0	678	0	673	0	320	0	320	0	2	3	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	684	0	678	0	675	0	675	0	320	0	320	0	-4	3	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	680	0	673	0	669	0	666	0	320	0	320	0	-9	3	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	687	0	682	0	675	0	669	0	320	0	320	0	-13	3	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	694	0	687	0	678	0	673	0	320	0	320	0	-16	3	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	707	0	703	0	682	0	676	0	320	0	320	0	-25	3	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	713	0	711	0	689	0	678	0	320	0	320	0	-34	3	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	734	0	729	0	691	0	687	0	320	0	320	0	-43	3	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	730	0	725	0	691	0	687	0	320	0	320	0	-40	3	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	732	0	727	0	687	0	694	0	320	0	320	0	-45	3	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	735	0	732	0	705	0	703	0	320	0	320	0	-32	3	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	732	0	727	0	705	0	702	0	320	0	320	0	-27	3	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	723	0	712	0	709	0	703	0	320	0	320	0	-11	3	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	671	0	664	0	694	0	678	0	320	0	320	0	13	3	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	662	0	653	0	680	0	675	0	320	0	320	0	20	3	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	647	0	642	0	676	0	671	0	320	0	320	0	27	3	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	622	0	615	0	675	0	671	0	320	0	320	0	54	3	56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	617	0	610	0	667	0	664	0	320	0	320	0	52	3	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	595	0	588	0	675	0	669	0	320	0	320	0	79	3	81	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	52 1	60 0	145 0	132 0	0 1	0 0	154 1	125	123	152 0	197	107	174 0	176	172	156 0	158	154	0 0	0	0	0
200	53 0	59 0	159 0	140 0	0 0	0 0	159 1	167	126	161 0	214	123	182 0	186	178	165 0	168	161	0 0	0	0	0
300	62 1	64 0	154 1	154 0	0 1	0 0	163 1	209	119	161 0	205	91	187 0	191	181	171 0	176	169	0 0	0	0	0
400	61 0	59 0	176 0	136 0	0 0	0 0	143 1	183	99	146 0	177	88	189 0	194	181	173 0	176	167	0 0	0	0	0
500	64 0	63 0	185 0	151 0	0 0	0 0	157 0	197	117	155 0	210	95	191 0	196	177	175 0	180	167	0 0	0	0	0
600	62 0	62 0	173 1	143 0	0 0	0 0	151 1	193	114	151 0	204	97	185 0	191	179	170 0	175	164	0 0	0	0	0
700	55 0	53 0	163 0	140 0	0 0	0 0	144 1	191	101	141 0	188	93	186 0	195	176	170 0	180	158	0 0	0	0	0
800	44 0	46 0	108 0	97 0	0 0	0 0	135 0	213	91	134 0	177	96	177 0	211	153	163 0	184	135	0 0	0	0	0
900	33 0	37 0	62 0	59 0	0 0	0 0	123 0	179	4	126 0	177	18	174 0	221	135	159 0	200	100	0 0	0	0	0
1000	35 0	35 0	56 0	53 0	0 0	0 0	166 0	265	91	161 0	253	90	185 0	269	120	168 0	254	100	0 0	0	0	0
1100	30 0	28 0	34 0	35 0	0 0	0 0	259 3	335	186	260 3	358	190	183 0	263	94	179 0	264	93	0 0	0	0	0
1200	49 0	51 0	55 0	56 0	0 0	0 0	289 0	357	215	286 0	342	202	298 0	350	226	278 0	331	199	0 0	0	0	0
1300	51 1	54 0	52 0	52 0	0 0	0 0	302 0	342	246	228 0	332	245	312 0	323	275	290 0	308	269	0 0	0	0	0
1400	42 0	43 0	58 0	59 0	0 0	0 0	293 0	341	239	286 0	356	209	305 0	323	285	231 0	321	254	0 0	0	0	0
1500	41 0	38 0	54 0	57 0	0 0	0 0	285 0	342	243	296 0	353	205	313 0	346	288	290 0	313	269	0 0	0	0	0
1600	61 0	58 0	181 0	145 0	0 0	0 0	182 0	264	124	181 0	253	115	195 0	208	184	179 0	190	168	0 0	0	0	0
1700	23 0	30 0	26 0	27 0	0 0	0 0	329 0	1	277	315 0	346	272	339 0	7	293	319 0	346	266	0 0	0	0	0
1800	14 0	16 0	10 0	13 0	0 0	0 0	31 3	84	9	28 3	83	2	26 3	91	352	4 3	65	333	0 0	0	0	0
1900	31 0	32 0	32 0	34 0	0 0	0 0	95 0	102	87	95 0	108	87	109 0	118	101	92 0	100	92	0 0	0	0	0
2000	55 0	54 0	61 0	63 0	0 0	0 0	111 0	116	105	112 0	126	103	108 0	109	105	91 0	93	89	0 0	0	0	0
2100	76 0	74 0	118 0	120 0	0 0	0 0	123 0	129	116	125 0	137	111	120 0	126	116	103 0	110	100	0 0	0	0	0
2200	63 0	65 0	159 0	152 0	0 0	0 0	147 0	175	125	147 0	182	105	181 0	190	169	164 0	170	155	0 0	0	0	0
2300	60 0	57 0	159 0	142 0	0 0	0 0	173 0	255	101	171 0	239	104	191 0	217	165	173 0	187	148	0 0	0	0	0
2400	73 0	63 0	197 0	158 0	0 0	0 0	191 0	267	116	139 0	250	107	200 0	211	185	184 0	197	169	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEM6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	ISC 7 S	RAIN S
100	586 0	579 0	673 0	667 0	320 0	320 0	85 0	86 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	583 0	581 0	669 0	666 0	320 0	320 0	81 0	83 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	583 0	581 0	669 0	657 0	320 0	320 0	79 0	74 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	576 0	568 0	660 0	657 0	320 0	320 0	85 0	86 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	572 0	567 0	657 0	651 0	320 0	320 0	83 0	85 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	565 0	558 0	628 0	621 0	320 0	320 0	61 0	63 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	577 0	572 0	619 0	615 0	320 0	320 0	41 0	41 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	640 0	635 0	642 0	617 0	320 0	320 0	-18 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	698 0	694 0	664 0	660 0	320 0	320 0	-34 0	-34 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1000	745 0	739 0	716 0	713 0	320 0	320 0	-27 0	-29 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1100	793 0	792 0	761 0	759 0	320 0	320 0	-32 0	-34 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1200	783 0	783 0	763 0	759 0	320 0	320 0	-25 0	-23 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1300	804 0	801 0	772 0	770 0	320 0	320 0	-31 0	-31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1400	803 0	804 0	781 0	777 0	320 0	320 0	-27 0	-27 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1500	810 0	806 0	784 0	781 0	320 0	320 0	-25 0	-25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1600	691 0	689 0	729 0	723 0	320 0	320 0	33 0	36 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1700	846 0	838 0	833 0	828 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1800	815 0	808 0	817 0	813 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1900	757 0	748 0	794 0	783 0	320 0	320 0	32 0	36 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2000	744 0	739 0	786 0	781 0	320 0	320 0	40 0	41 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2100	732 0	725 0	775 0	770 0	320 0	320 0	45 0	47 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2200	693 0	685 0	765 0	759 0	320 0	320 0	72 0	74 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2300	695 0	689 0	733 0	725 0	320 0	320 0	36 0	36 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2400	694 0	687 0	723 0	718 0	320 0	320 0	31 0	31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 C	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	61	0	55	0	173	0	140	0	0	0	0	0	191	0	251	117	187	0	262	99	199	0	221	186	192	0	208	167	0	0	0	0	0
200	65	0	59	0	176	0	143	0	0	0	0	0	175	0	239	107	173	0	251	96	193	0	215	170	177	0	191	150	0	0	0	0	0
300	53	0	53	0	169	0	142	0	0	0	0	0	195	0	259	114	189	0	250	97	199	0	230	178	183	0	207	164	0	0	0	0	0
400	72	0	61	0	173	0	149	0	0	0	0	0	209	0	265	136	200	0	269	141	206	0	226	188	189	0	209	169	0	0	0	0	0
500	60	0	52	0	144	0	127	0	0	0	0	0	195	0	253	106	196	0	265	100	205	0	227	181	189	0	210	169	0	0	0	0	0
600	63	0	55	0	151	0	128	0	0	0	0	0	192	0	258	98	195	0	251	109	202	0	227	177	187	0	209	154	0	0	0	0	0
700	64	0	56	0	150	0	133	0	0	0	0	0	193	0	264	99	189	0	259	105	203	0	222	181	187	0	199	171	0	0	0	0	0
800	63	0	54	0	135	0	108	0	0	0	0	0	203	0	251	143	205	0	247	133	203	0	230	185	190	0	209	167	0	0	0	0	0
900	61	0	54	0	110	0	99	0	0	0	0	0	210	0	246	113	211	0	261	119	215	0	241	183	199	0	229	165	0	0	0	0	0
1000	82	0	76	0	132	0	124	0	0	0	0	0	237	0	276	192	237	0	311	192	227	0	265	191	211	0	246	169	0	0	0	0	0
1100	81	0	78	0	122	0	130	0	0	0	0	0	243	0	286	196	244	0	317	193	237	0	272	203	219	0	248	176	0	0	0	0	0
1200	105	0	106	0	127	0	136	0	0	0	0	0	249	0	271	226	246	0	283	198	247	0	268	227	228	0	245	210	0	0	0	0	0
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
1400	87	0	86	0	123	0	126	0	0	0	0	0	245	0	275	223	245	0	305	208	257	0	301	235	239	0	291	215	0	0	0	0	0
1500	66	0	67	0	109	0	130	0	0	0	0	0	262	0	298	217	258	0	314	204	275	0	304	244	254	0	271	230	0	0	0	0	0
1600	87	0	87	0	123	0	125	0	0	0	0	0	246	0	265	207	243	0	275	203	256	0	275	237	238	0	259	220	0	0	0	0	0
1700	103	0	104	0	174	0	137	0	0	0	0	0	243	0	273	204	241	0	286	196	247	0	266	216	230	0	251	209	0	0	0	0	0
1800	127	0	126	0	214	0	226	0	0	0	0	0	244	0	275	217	242	0	279	199	251	0	270	221	233	0	254	211	0	0	0	0	0
1900	87	0	93	0	159	0	167	0	0	0	0	0	234	0	274	203	234	0	285	194	241	0	260	211	224	0	250	199	0	0	0	0	0
2000	57	0	49	0	109	0	102	0	0	0	0	0	217	0	242	174	215	0	255	165	221	0	233	203	205	0	215	192	0	0	0	0	0
2100	77	0	64	0	143	0	141	0	0	0	0	0	219	0	255	198	220	0	262	186	227	0	249	209	209	0	230	195	0	0	0	0	0
2200	94	0	86	0	158	0	158	0	0	0	0	0	229	0	265	188	226	0	263	171	231	0	255	199	214	0	243	184	0	0	0	0	0
2300	101	0	98	0	170	0	181	0	0	0	0	0	231	0	267	194	227	0	267	177	236	0	257	221	218	0	240	194	0	0	0	0	0
2400	91	0	82	0	167	0	172	0	0	0	0	0	229	0	265	191	226	0	264	157	231	0	267	198	214	0	247	189	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN	S
100	687	0	639	0	709	0	703	0	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
200	673	0	671	0	705	0	700	0	320	0	320	0	29	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
300	676	0	669	0	703	0	698	0	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
400	696	0	691	0	712	0	707	0	320	0	320	0	15	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
500	694	0	687	0	705	0	702	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
600	685	0	678	0	694	0	691	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
700	684	0	676	0	687	0	685	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
800	713	0	712	0	711	0	705	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
900	768	0	765	0	752	0	747	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1000	813	0	808	0	795	0	790	0	320	0	320	0	-15	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1100	849	0	844	0	820	0	815	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1200	856	0	851	0	837	0	833	0	320	0	320	0	-13	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0
1400	867	0	862	0	853	0	849	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1500	876	0	871	0	853	0	849	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1600	883	0	876	0	864	0	856	0	320	0	320	0	-13	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1700	880	0	874	0	871	0	866	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1800	863	0	860	0	873	0	869	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
1900	835	0	829	0	845	0	840	0	320	0	320	0	11	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
2000	853	0	846	0	867	0	862	0	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
2100	837	0	831	0	855	0	851	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
2200	844	0	838	0	851	0	846	0	320	1	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
2300	831	0	826	0	837	0	831	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0
2400	829	0	819	0	829	0	824	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 EVALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 P S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	101 0	94 0	182 0	180 0	0 0	0 0	233 0	262	193		231 0	264	188		236 0	258	201		217 0	242	122		0 0	0	0	0	0 0
200	105 0	170 0	176 0	181 0	0 0	0 0	234 0	271	202		233 0	265	191		235 0	272	203		217 0	243	179		0 0	0	0	0	0 0
300	95 0	96 0	165 0	175 0	0 0	0 0	235-0	264	179		236 0	281	191		239 0	254	215		220 0	241	190		0 0	0	0	0	0 0
400	112 0	139 0	170 0	197 0	0 0	0 0	241 0	283	215		240 0	293	194		243 0	266	219		223 0	246	191		0 0	0	0	0	0 0
500	106 0	131 0	169 0	177 0	0 0	0 0	233 0	283	199		236 0	296	181		239 0	274	210		221 0	245	194		0 0	0	0	0	0 0
600	105 0	101 0	174 0	180 0	0 0	0 0	238 0	263	195		236 0	282	196		237 0	269	215		221 0	251	191		0 0	0	0	0	0 0
700	101 0	73 0	166 0	174 0	0 0	0 0	233 0	290	194		233 0	282	194		237 0	268	205		219 0	246	189		0 0	0	0	0	0 0
800	105 0	101 0	159 0	165 0	0 0	0 0	232 0	263	171		230 0	269	156		235 0	261	205		217 0	254	175		0 0	0	0	0	0 0
900	116 0	110 0	183 0	186 0	0 0	0 0	239 0	269	205		237 0	239	181		242 0	278	219		224 0	249	195		0 0	0	0	0	0 0
1000	135 0	132 0	198 0	203 0	0 0	0 0	245 0	271	192		244 0	279	212		247 0	269	225		229 0	248	200		0 0	0	0	0	0 0
1100	122 0	130 0	195 0	208 0	0 0	0 0	244 0	271	214		242 0	298	210		249 0	261	232		232 0	240	217		0 0	0	0	0	0 0
1200	137 0	135 0	213 0	222 0	0 0	0 0	247 0	267	219		246 0	277	203		253 0	269	228		236 0	244	221		0 0	0	0	0	0 0
1300	134 0	129 0	228 0	229 0	0 0	0 0	247 0	277	223		244 0	276	210		256 0	265	246		238 0	254	232		0 0	0	0	0	0 0
1400	91 0	95 0	160 0	166 0	0 0	0 0	253 0	287	227		255 0	289	220		264 0	299	222		246 0	269	215		0 0	0	0	0	0 0
1500	92 0	92 0	170 0	171 0	0 0	0 0	252 0	279	223		249 0	286	181		267 0	283	237		248 0	271	213		0 0	0	0	0	0 0
1600	111 0	109 0	174 0	182 0	0 0	0 0	243 0	276	221		244 0	290	207		262 0	276	250		244 0	258	226		0 0	0	0	0	0 0
1700	119 0	122 0	188 0	199 0	0 0	0 0	248 0	271	213		245 0	280	205		253 0	267	236		240 0	252	215		0 0	0	0	0	0 0
1800	123 0	119 0	196 0	205 0	0 0	0 0	247 0	273	221		243 0	272	212		256 0	271	241		236 0	252	220		0 0	0	0	0	0 0
1900	114 0	113 0	205 0	217 0	0 0	0 0	243 0	265	217		241 0	273	138		251 0	261	223		233 0	250	207		0 0	0	0	0	0 0
2000	77 0	76 0	132 0	132 0	0 0	0 0	10 0	76	317		6 0	72	312		9 0	35	334		348 0	27	320		0 0	0	0	0	0 0
2100	123 0	115 0	184 0	179 0	0 0	0 0	348 0	53	276		346 0	176	280		357 0	26	324		336 0	18	304		0 0	0	0	0	0 0
2200	86 0	91 0	124 0	128 0	0 0	0 0	330 0	9	279		328 0	30	281		342 0	4	309		318 0	343	267		0 0	0	0	0	0 0
2300	46 0	50 0	69 0	69 0	0 0	0 0	39 0	81	7		36 0	86	357		36 0	68	9		14 0	50	346		0 0	0	0	0	0 0
2400	62 0	63 0	83 0	89 0	0 0	0 0	251 0	287	229		249 0	301	212		261 0	287	246		242 0	259	223		0 0	0	0	0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 P S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEM6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	815 0	810 0	819 0	813 0	320 0	320 0	4 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	801 0	793 0	801 0	795 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	784 0	779 0	786 0	781 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	781 0	775 0	784 0	779 0	320 0	320 0	4 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	772 0	765 0	774 0	768 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	765 0	761 0	765 0	761 0	320 0	320 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	763 0	757 0	759 0	754 0	320 0	320 0	-2 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	771 0	765 0	761 0	756 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	789 0	781 0	775 0	770 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1000	801 0	795 0	790 0	786 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1100	810 0	804 0	806 0	801 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1200	825 0	820 0	829 0	824 0	320 0	320 0	4 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1300	855 0	849 0	853 0	847 0	320 0	320 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1400	871 0	865 0	866 0	862 0	320 0	320 0	-25 0	-25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1500	858 0	853 0	840 0	837 0	320 0	320 0	-16 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1600	855 0	849 0	846 0	842 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1700	844 0	838 0	840 0	835 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1800	837 0	829 0	842 0	837 0	320 0	320 0	5 0	5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1900	815 0	810 0	833 0	828 0	320 0	320 0	18 0	18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2000	766 0	759 0	759 0	747 0	320 0	320 0	-13 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2100	745 0	738 0	734 0	729 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2200	707 0	702 0	708 0	693 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2300	682 0	675 0	682 0	671 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2400	689 0	682 0	682 0	680 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	9 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	111	0	110	0	175	0	176	0	0	0	0	0	322	1	55	283	317	0	14	270	333	0	348	303	310	0	328	290	0	0	0	0	0	0	0	0
200	93	0	92	0	165	0	162	0	0	0	0	0	26	1	56	353	23	0	115	353	17	0	51	347	355	0	32	315	0	0	0	0	0	0	0	0
300	113	0	102	0	185	0	183	0	0	0	0	0	355	1	41	288	348	0	89	237	0	0	49	314	338	0	32	309	0	0	0	0	0	0	0	0
400	82	0	79	0	146	0	141	0	0	0	0	0	13	1	71	296	11	0	87	308	5	0	29	332	343	0	18	298	0	0	0	0	0	0	0	0
500	102	0	101	0	163	0	160	0	0	0	0	0	1	0	53	303	355	0	57	297	2	0	50	320	340	0	20	307	0	0	0	0	0	0	0	0
600	73	0	75	0	123	0	123	0	0	0	0	0	15	0	113	295	11	0	102	287	3	0	61	331	347	0	49	275	0	0	0	0	0	0	0	0
700	82	0	76	0	129	0	126	0	0	0	0	0	21	1	85	337	18	0	73	316	13	0	35	344	351	0	6	313	0	0	0	0	0	0	0	0
800	55	0	54	0	105	0	105	0	0	0	0	0	21	0	91	300	18	0	131	309	11	0	56	323	349	0	44	235	0	0	0	0	0	0	0	0
900	64	0	65	0	99	0	98	0	0	0	0	0	32	1	82	345	30	0	119	333	24	0	53	351	2	0	32	301	0	0	0	0	0	0	0	0
1000	57	0	57	0	90	0	90	0	0	0	0	0	3	1	86	309	5	0	147	294	14	0	72	291	353	0	49	307	0	0	0	0	0	0	0	0
1100	63	0	56	0	91	0	91	0	0	0	0	0	349	1	149	283	346	0	79	237	1	0	57	320	342	0	54	294	0	0	0	0	0	0	0	0
1200	45	0	45	0	65	0	66	0	0	0	0	0	331	0	27	270	334	0	143	276	344	0	32	278	323	0	34	273	0	0	0	0	0	0	0	0
1300	51	0	50	0	81	0	82	0	0	0	0	0	315	0	352	283	308	0	343	247	329	0	358	305	305	0	332	278	0	0	0	0	0	0	0	0
1400	63	0	61	0	81	0	84	0	0	0	0	0	302	0	349	233	297	0	339	190	313	0	357	287	290	0	337	264	0	0	0	0	0	0	0	0
1500	61	0	62	0	83	0	85	0	0	0	0	0	311	0	356	260	310	0	19	270	320	0	346	284	296	0	318	266	0	0	0	0	0	0	0	0
1600	35	2	36	2	53	2	53	2	0	0	0	0	3	2	49	291	5	2	91	297	11	2	35	343	349	2	14	318	0	0	0	0	0	0	0	0
1700	64	0	63	0	92	0	94	0	0	0	0	0	314	0	352	247	310	0	356	253	333	0	19	304	310	0	337	297	0	0	0	0	0	0	0	0
1800	53	0	54	0	77	0	77	0	0	0	0	0	345	1	21	270	335	0	37	278	351	0	42	332	329	0	31	304	0	0	0	0	0	0	0	0
1900	36	0	36	0	52	0	52	0	0	0	0	0	27	0	47	344	22	0	59	348	16	0	39	334	356	0	16	331	0	0	0	0	0	0	0	0
2000	41	0	41	0	57	0	56	0	0	0	0	0	35	0	58	13	33	0	57	5	27	0	49	8	6	0	28	343	0	0	0	0	0	0	0	0
2100	47	0	47	0	57	0	58	0	0	0	0	0	115	0	121	103	118	0	132	104	88	0	95	78	70	0	78	59	0	0	0	0	0	0	0	0
2200	51	0	52	0	67	0	66	0	0	0	0	0	93	1	105	92	98	0	111	91	91	0	97	87	73	0	78	68	0	0	0	0	0	0	0	0
2300	60	0	61	0	83	0	84	0	0	0	0	0	127	0	135	116	129	0	138	116	114	0	121	103	98	0	106	91	0	0	0	0	0	0	0	0
2400	62	0	63	0	81	0	84	0	0	0	0	0	132	0	179	129	133	0	156	122	124	0	129	121	109	0	115	105	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	687	0	680	0	680	0	675	0	320	0	320	0	-5	1	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	6
200	667	0	662	0	676	0	671	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	673	0	673	0	678	0	673	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	675	0	669	0	671	0	667	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	676	0	669	0	671	0	666	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	664	0	657	0	669	0	665	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	657	0	651	0	653	0	649	0	320	0	320	0	-4	1	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	666	0	660	0	660	0	655	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	682	0	676	0	669	0	664	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	694	0	691	0	683	0	676	0	320	0	320	0	-13	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	703	0	700	0	695	0	690	0	320	0	320	0	-20	1	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	700	0	694	0	679	0	673	0	320	0	320	0	-22	1	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	705	0	700	0	675	0	669	0	320	0	320	0	-31	1	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	707	0	702	0	671	0	667	0	320	0	320	0	-34	1	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	700	0	694	0	669	0	666	0	320	0	320	0	-31	1	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	684	2	679	2	661	2	657	2	320	0	320	0	-23	2	-22	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	680	0	675	0	660	0	657	0	320	0	320	0	-20	1	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	660	0	653	0	647	0	644	0	320	1	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	637	0	631	0	639	0	635	0	320	0	320	0	2	1	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	619	0	610	0	626	0	621	0	320	0	320	0	9	1	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	606	0	597	0	631	0	626	0	320	0	320	0	27	1	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	595	0	585	0	624	0	621	0	320	0	320	0	31	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	577	0	572	0	619	0	613	0	320	0	320	0	43	1	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	577	0	570	0	604	0	614	0	320	0	320	0	31	1	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 5 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN	MAX	WIND DIR4		MIN	MAX	WIND DIR5		MIN	MAX	WIND DIR6	
	5A	S	5B	S	15A	S	15B	S		S	5C	S			5B	S			15A	S			15B	S			S				S			
100	60	0	60	0	85	0	38	0	0	0	0	0	122	0	139	107	125	0	147	108	113	0	126	102	97	0	112	85	0	0	0	0	0	0
200	75	0	76	0	120	0	133	0	0	0	0	0	75	0	83	64	74	0	88	56	79	0	81	76	61	0	63	58	0	0	0	0	0	0
300	64	0	66	0	115	0	133	0	0	0	0	0	84	0	104	73	95	0	119	67	73	0	89	76	60	0	63	54	0	0	0	0	0	0
400	83	0	34	0	154	0	150	0	0	0	0	0	99	0	109	87	102	0	118	78	93	0	101	87	76	0	82	68	0	0	0	0	0	0
500	82	0	82	0	164	0	167	0	0	0	0	0	109	0	121	89	111	0	129	88	110	0	114	104	94	0	99	88	0	0	0	0	0	0
600	79	0	74	0	137	0	140	0	0	0	0	0	115	0	125	96	118	0	134	88	121	0	132	112	105	0	117	95	0	0	0	0	0	0
700	65	0	68	0	125	0	129	0	0	0	0	0	133	0	171	104	135	0	171	93	145	0	160	139	130	0	139	121	0	0	0	0	0	0
800	69	0	72	0	139	0	131	0	0	0	0	0	129	0	171	106	130	0	167	77	148	0	160	135	132	0	148	121	0	0	0	0	0	0
900	89	0	32	0	93	0	102	0	0	0	0	0	116	0	133	99	119	0	148	80	126	0	143	109	111	0	127	94	0	0	0	0	0	0
1000	75	0	78	0	111	0	110	0	0	0	0	0	123	0	164	99	126	0	171	84	141	0	170	122	125	0	151	107	0	0	0	0	0	0
1100	43	0	47	0	99	0	57	0	0	0	0	0	76	0	127	30	75	0	149	2	83	0	129	39	69	0	118	27	0	0	0	0	0	0
1200	55	0	0	2	45	0	0	2	0	2	0	2	61	0	35	89	0	2	0	0	66	0	27	111	0	2	0	0	0	2	0	0	0	2
1300	63	0	0	2	67	0	0	2	0	2	0	2	65	0	33	109	0	2	0	0	70	0	47	109	0	2	0	0	0	2	0	0	0	2
1400	82	0	0	2	75	0	0	2	0	2	0	2	7	0	330	52	0	2	0	0	16	0	344	46	0	2	0	0	0	2	0	0	0	2
1500	112	0	0	2	145	0	0	2	0	2	0	2	29	0	2	55	0	2	0	0	23	0	358	47	0	2	0	0	0	2	0	0	0	2
1600	119	0	0	2	159	0	0	2	0	2	0	2	20	1	356	44	0	2	0	0	25	0	358	51	0	2	0	0	0	2	0	0	0	2
1700	105	0	0	2	143	0	0	2	0	2	0	2	43	0	12	79	0	2	0	0	39	0	5	66	0	2	0	0	0	2	0	0	0	2
1800	119	0	0	2	135	0	0	2	0	2	0	2	38	0	16	56	0	2	0	0	41	0	14	66	0	2	0	0	0	2	0	0	0	2
1900	77	0	0	2	133	0	0	2	0	2	0	2	61	0	49	79	0	2	0	0	50	0	25	70	0	2	0	0	0	2	0	0	0	2
2000	90	0	0	2	144	0	0	2	0	2	0	2	50	0	23	68	0	2	0	0	60	0	43	77	0	2	0	0	0	2	0	0	0	2
2100	93	0	0	2	150	0	0	2	0	2	0	2	52	0	37	69	0	2	0	0	64	0	48	87	0	2	0	0	0	2	0	0	0	2
2200	93	0	0	2	150	0	0	2	0	2	0	2	61	0	43	74	0	2	0	0	69	0	52	84	0	2	0	0	0	2	0	0	0	2
2300	88	0	0	2	135	0	0	2	0	2	0	2	64	0	47	83	0	2	0	0	74	0	56	84	0	2	0	0	0	2	0	0	0	2
2400	82	0	0	2	136	0	0	2	0	2	0	2	74	0	59	87	0	2	0	0	71	0	57	84	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	S
	3D	S	3C	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S			
100	556	0	547	0	606	0	603	0	320	0	320	0	52	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
200	538	0	527	0	597	0	594	0	329	0	320	0	65	0	67	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
300	556	0	545	0	613	0	608	0	320	0	320	0	53	0	51	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
400	547	0	539	0	576	0	570	0	329	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
500	539	0	532	0	572	0	557	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
600	545	0	538	0	570	0	567	0	329	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
700	545	0	538	0	549	0	545	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
800	556	0	550	0	542	0	545	0	329	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
900	583	0	577	0	568	0	565	0	329	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1000	613	0	608	0	597	0	594	0	329	0	320	0	-15	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1100	689	0	689	0	657	0	653	0	320	0	320	0	-32	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1200	690	0	0	2	0	2	0	2	0	2	0	2	-32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	693	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	711	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	703	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	696	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	703	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	693	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	669	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	645	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	628	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	625	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	583	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	581	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 5 = UNSTEADY DIRECTION, 6 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 30 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	109	0	0	2	142	0	0	2	0	2	0	2	87	71	95	0	2	0	0	87	0	70	101	0	2	0	0	0	2	0	0	0	2	
200	102	0	0	2	134	0	0	2	0	2	0	2	88	74	99	0	2	0	0	88	0	70	100	0	2	0	0	0	2	0	0	0	2	
300	92	0	0	2	134	0	0	2	0	2	0	2	84	69	95	0	2	0	0	84	0	70	100	0	2	0	0	0	2	0	0	0	2	
400	86	0	0	2	111	0	0	2	0	2	0	2	93	75	118	0	2	0	0	83	0	65	97	0	2	0	0	0	2	0	0	0	2	
500	86	0	0	2	107	0	0	2	0	2	0	2	95	78	111	0	2	0	0	98	0	83	111	0	2	0	0	0	2	0	0	0	2	
600	61	0	0	2	96	0	0	2	0	2	0	2	69	50	87	0	2	0	0	79	0	62	100	0	2	0	0	0	2	0	0	0	2	
700	65	0	0	2	98	0	0	2	0	2	0	2	82	61	96	0	2	0	0	87	0	70	102	0	2	0	0	0	2	0	0	0	2	
800	82	0	0	2	111	0	0	2	0	2	0	2	77	63	95	0	2	0	0	75	0	63	97	0	2	0	0	0	2	0	0	0	2	
900	82	0	0	2	107	0	0	2	0	2	0	2	77	52	102	0	2	0	0	80	0	63	98	0	2	0	0	0	2	0	0	0	2	
1000	82	0	0	2	96	0	0	2	0	2	0	2	55	35	77	0	2	0	0	80	0	61	96	0	2	0	0	0	2	0	0	0	2	
1100	100	0	0	2	132	0	0	2	0	2	0	2	62	33	96	0	2	0	0	78	0	49	115	0	2	0	0	0	2	0	0	0	2	
1200	95	0	0	2	119	0	0	2	0	2	0	2	77	60	93	0	2	0	0	63	0	33	93	0	2	0	0	0	2	0	0	0	2	
1300	111	0	0	2	140	0	0	2	0	2	0	2	26	359	50	0	2	0	0	32	0	1	56	0	2	0	0	0	2	0	0	0	2	
1400	136	0	0	2	186	0	0	2	0	2	0	2	25	0	39	0	2	0	0	26	0	359	51	0	2	0	0	0	2	0	0	0	2	
1500	119	0	0	2	177	0	0	2	0	2	0	2	20	356	39	0	2	0	0	36	0	2	59	0	2	0	0	0	2	0	0	0	2	
1600	119	0	35	0	163	0	141	0	0	0	0	0	26	3	48	16	0	87	327	26	0	355	54	355	0	38	324	0	0	0	0	0	0	
1700	88	0	82	0	132	0	128	0	0	0	0	0	27	75	353	24	0	83	333	20	0	53	356	359	0	40	328	0	0	0	0	0	0	
1800	80	0	74	0	119	0	116	0	0	0	0	0	26	50	350	23	0	63	327	23	0	52	350	2	0	30	329	0	0	0	0	0	0	
1900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2000	86	0	82	0	129	0	124	0	0	0	0	0	34	60	14	29	0	62	347	31	0	50	15	12	0	32	354	0	0	0	0	0	0	
2100	46	0	51	0	81	0	91	0	0	0	0	0	60	77	44	56	0	90	34	56	0	65	41	38	0	47	21	0	0	0	0	0	0	
2200	52	0	52	0	65	0	100	0	0	0	0	0	79	109	49	77	0	136	19	71	0	82	53	53	0	68	38	0	0	0	0	0	0	
2300	71	0	76	0	113	0	130	0	0	0	0	0	62	90	39	56	0	102	18	59	0	84	39	42	0	65	16	0	0	0	0	0	0	
2400	68	0	75	0	111	0	129	0	0	0	0	0	61	84	39	59	0	100	25	60	0	80	46	42	0	63	19	0	0	0	0	0	0	

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	
	30 A	S	30 B	S	150A	S	150B	S		S		S	150A	S	150B	S		S		S		S		S		S		S		S		S		S
100	567	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	567	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	567	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	563	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	557	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	554	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	550	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	550	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	564	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	611	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	639	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	637	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	647	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	656	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	655	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	656	0	630	0	624	0	619	0	320	0	320	0	-23	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1700	621	0	615	0	613	0	606	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1800	604	0	597	0	603	0	597	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1900	320	2	320	2	320	2	320	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	6
2000	603	0	595	0	601	0	597	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2100	577	0	572	0	601	0	597	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2200	577	0	570	0	586	0	571	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2300	557	0	552	0	563	0	558	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2400	541	0	534	0	552	0	549	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND DIR2 MIN	MAX 50 B S	WIND DIR3 MIN	MAX 150A S	WIND DIR4 MIN	MAX 150B S	WIND DIR5 MIN	MAX S	WIND DIR6 MIN	MAX S
100	67 0	72 0	111 3	129 0	3 0	0 0	55 1	73	33	52 0	87 23	56 0	79 44	37 0	50 20	0 0	0 0 0 0
200	69 0	77 0	119 3	133 0	0 0	0 0	57 1	80	39	55 0	91 22	58 0	67 51	40 0	54 28	0 0	0 0 0 0
300	67 0	74 0	115 3	129 0	0 0	0 0	64 1	83	46	63 0	99 18	61 0	75 47	44 0	60 23	0 0	0 0 0 0
400	64 0	65 0	103 3	117 0	0 0	0 0	79 1	97	65	79 0	103 58	72 0	87 58	54 0	72 40	0 0	0 0 0 0
500	64 0	61 0	132 3	131 0	0 0	0 0	109 1	112	100	111 0	137 94	96 0	100 92	79 0	83 76	0 0	0 0 0 0
600	63 0	52 0	114 0	113 0	0 0	0 0	109 1	112	93	104 0	120 92	103 0	107 103	87 0	90 85	0 0	0 0 0 0
700	58 0	50 0	85 3	84 0	0 0	0 0	105 1	114	92	105 0	120 95	96 0	103 81	79 0	88 62	0 0	0 0 0 0
800	46 0	42 0	87 3	98 0	0 0	0 0	102 1	131	76	100 0	137 56	97 0	109 86	80 0	93 65	0 0	0 0 0 0
900	36 0	37 0	44 3	49 0	0 0	0 0	319 1	37	271	315 0	32 270	352 0	47 302	331 0	27 279	0 0	0 0 0 0
1000	30 0	32 0	36 3	42 0	0 0	0 0	46 1	96	11	43 0	119 0	48 0	93 6	50 0	76 345	0 0	0 0 0 0
1100	34 0	34 0	40 3	42 0	0 0	0 0	306 1	357	243	297 0	351 229	332 0	357 282	310 0	338 239	0 0	0 0 0 0
1200	79 0	66 0	80 3	95 0	0 0	0 0	293 1	322	256	286 0	335 243	308 0	323 279	285 0	300 251	0 0	0 0 0 0
1300	63 3	56 0	92 3	94 0	0 0	0 0	306 1	337	252	298 0	330 252	322 0	334 303	299 0	310 295	0 0	0 0 0 0
1400	46 0	45 0	65 0	66 0	0 0	0 0	309 1	359	223	308 0	358 192	335 0	8 299	310 0	347 241	0 0	0 0 0 0
1500	73 0	76 0	95 3	97 0	0 0	0 0	335 0	38	285	328 0	25 278	343 0	18 317	321 0	358 284	0 0	0 0 0 0
1600	78 0	75 0	107 0	104 0	0 0	0 0	337 0	63	288	338 0	23 299	349 0	19 329	328 0	346 309	0 0	0 0 0 0
1700	43 0	40 0	76 3	76 0	0 0	0 0	1 3	69	288	4 0	112 277	0 0	60 323	340 0	27 309	0 0	0 0 0 0
1800	60 0	55 0	79 0	78 0	0 0	0 0	27 0	52	347	23 0	56 326	27 0	47 358	8 0	33 344	0 0	0 0 0 0
1900	54 0	55 0	92 0	91 0	0 0	0 0	46 0	61	28	42 0	86 14	46 0	61 34	25 0	37 18	0 0	0 0 0 0
2000	44 0	43 0	62 0	73 0	0 0	0 0	81 0	91	73	80 0	91 71	75 0	84 68	57 0	67 50	0 0	0 0 0 0
2100	64 0	63 0	113 3	113 0	0 0	0 0	99 1	108	91	97 0	115 79	83 0	88 73	65 0	71 60	0 0	0 0 0 0
2200	77 0	76 0	146 0	148 0	0 0	0 0	99 1	111	91	98 0	123 79	86 0	86 85	69 0	71 65	0 0	0 0 0 0
2300	78 0	57 0	132 0	144 0	0 0	0 0	100 0	116	87	102 0	131 79	84 0	89 81	67 0	71 64	0 0	0 0 0 0
2400	76 0	75 0	139 0	137 0	0 0	0 0	105 0	110	99	106 0	119 93	95 0	98 92	77 0	82 75	0 0	0 0 0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEM6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	523 0	518 0	538 0	534 0	320 0	320 0	16 0	18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	509 0	502 0	534 0	529 0	320 0	320 0	25 0	27 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	495 0	487 0	523 0	514 0	320 0	320 0	25 0	27 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	486 0	477 0	513 0	507 0	320 0	320 0	27 0	31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	473 0	464 0	514 0	509 0	320 0	320 0	41 0	45 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	469 0	455 0	514 0	511 0	320 0	320 0	52 0	56 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	489 0	434 0	540 0	534 0	320 0	320 0	50 0	50 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	543 0	518 0	554 0	549 0	320 0	320 0	11 0	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	532 0	525 0	527 0	523 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1000	570 0	565 0	567 0	563 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1100	624 0	621 0	621 0	617 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1200	626 0	621 0	603 0	604 0	320 0	320 0	-18 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1300	612 0	606 0	590 0	585 0	320 0	320 0	-20 0	-20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1400	632 0	635 0	608 0	606 0	320 0	320 0	-31 0	-29 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1500	645 0	639 0	613 0	610 0	320 0	320 0	-32 0	-31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1600	637 0	631 0	612 0	608 0	320 0	320 0	-27 0	-25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1700	637 0	630 0	612 0	608 0	320 0	320 0	-25 0	-23 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1800	617 0	610 0	603 0	604 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1900	586 0	577 0	592 0	586 0	320 0	320 0	7 0	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2000	554 0	547 0	573 0	568 0	320 0	320 0	40 0	41 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2100	565 0	556 0	590 0	585 0	320 0	320 0	25 0	31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2200	547 0	540 0	581 0	577 0	321 0	320 0	34 0	38 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2300	531 0	523 0	583 0	579 0	320 0	320 0	52 0	56 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2400	521 0	516 0	570 0	565 0	320 0	320 0	47 0	50 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0

STATUS CODE(S) 0-E INITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	79	0	71	0	146	0	146	0	0	0	0	0	111	0	117	103	113	0	136	96	103	0	107	100	86	0	90	83	0	0	0	0	0	0	0	0
200	83	0	79	0	164	0	165	0	0	0	0	0	114	0	122	99	117	0	135	98	111	0	114	109	95	0	99	93	0	0	0	0	0	0	0	0
300	81	0	71	0	144	0	151	0	0	0	0	0	117	0	124	103	118	0	137	91	123	0	136	120	114	0	121	106	0	0	0	0	0	0	0	0
400	87	0	85	0	143	0	142	0	0	0	0	0	123	0	133	115	127	0	142	107	138	0	143	134	123	0	128	120	0	0	0	0	0	0	0	0
500	64	0	69	0	154	0	151	0	0	0	0	0	129	0	147	106	132	0	177	74	156	0	165	149	142	0	151	136	0	0	0	0	0	0	0	0
600	63	0	51	0	167	0	175	0	0	0	0	0	134	0	172	99	135	0	199	95	166	0	178	157	151	0	167	144	0	0	0	0	0	0	0	0
700	71	0	57	0	163	0	169	0	0	0	0	0	141	0	172	110	141	0	200	97	167	0	180	151	154	0	168	144	0	0	0	0	0	0	0	0
800	70	0	70	0	119	0	124	0	0	0	0	0	139	0	190	97	142	0	201	90	164	0	193	146	151	0	176	150	0	0	0	0	0	0	0	0
900	80	0	79	0	133	0	143	0	0	0	0	0	147	0	190	112	147	0	209	94	166	0	179	146	153	0	167	137	0	0	0	0	0	0	0	0
1000	61	0	61	0	109	0	115	0	0	0	0	0	137	0	197	104	139	0	210	95	156	0	191	128	144	0	165	119	0	0	0	0	0	0	0	0
1100	69	0	78	0	123	0	127	0	0	0	0	0	143	0	206	104	145	0	204	92	162	0	190	141	149	0	174	125	0	0	0	0	0	0	0	0
1200	90	0	96	0	168	0	172	0	0	0	0	0	138	0	176	69	143	0	208	90	155	0	173	135	143	0	163	126	0	0	0	0	0	0	0	0
1300	99	0	99	0	169	0	175	0	0	0	0	0	134	0	204	92	133	0	171	42	143	0	169	129	136	0	164	119	0	0	0	0	0	0	0	0
1400	115	0	118	0	182	0	189	0	0	0	0	0	130	0	170	93	133	0	175	71	142	0	159	119	130	0	146	104	0	0	0	0	0	0	0	0
1500	90	0	94	0	153	0	155	0	0	0	0	0	133	0	182	101	135	0	176	44	146	0	175	130	134	0	158	115	0	0	0	0	0	0	0	0
1600	36	0	36	0	90	0	92	0	0	0	0	0	172	0	253	94	172	0	233	91	184	0	228	145	170	0	201	145	0	0	0	0	0	0	0	0
1700	54	0	51	0	117	0	119	0	0	0	0	0	154	0	187	112	155	0	226	95	167	0	177	157	154	0	164	144	0	0	0	0	0	0	0	0
1800	107	0	103	0	167	0	166	0	0	0	0	0	95	0	114	70	97	0	129	52	100	0	115	87	85	0	97	74	0	0	0	0	0	0	0	0
1900	125	0	118	0	195	0	195	0	0	0	0	0	101	0	115	87	102	0	135	73	103	0	120	91	90	0	105	78	0	0	0	0	0	0	0	0
2000	132	0	122	0	207	0	210	0	0	0	0	0	109	0	123	88	113	0	137	82	111	0	131	94	99	0	123	82	0	0	0	0	0	0	0	0
2100	152	0	146	0	202	0	213	0	0	0	0	0	117	0	132	104	120	0	142	98	121	0	137	105	110	0	125	92	0	0	0	0	0	0	0	0
2200	143	0	142	0	204	0	212	0	0	0	0	0	117	0	132	96	121	0	146	85	123	0	139	92	111	0	125	84	0	0	0	0	0	0	0	0
2300	113	0	114	0	160	0	166	0	0	0	0	0	123	0	140	104	127	0	162	97	134	0	151	123	122	0	139	112	0	0	0	0	0	0	0	0
2400	111	0	115	0	167	0	174	0	0	0	0	0	123	0	139	100	126	0	165	91	134	0	145	119	122	0	136	99	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	513	0	511	0	565	0	561	0	320	0	320	0	49	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	513	0	511	0	563	0	559	0	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	522	0	514	0	549	0	543	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	520	0	513	0	527	0	525	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	513	0	505	0	534	0	529	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	511	0	504	0	532	0	529	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	516	0	511	0	523	0	520	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	534	0	529	0	540	0	523	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	554	0	547	0	552	0	540	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	577	0	572	0	576	0	561	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	603	0	597	0	597	0	586	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	612	0	606	0	599	0	594	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	613	0	608	0	604	0	599	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	621	0	617	0	618	0	606	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	621	0	615	0	612	0	608	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	604	0	597	0	603	0	597	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	527	0	522	0	545	0	540	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	514	0	507	0	523	0	520	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	520	0	511	0	532	0	527	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	513	0	505	0	520	0	514	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	527	0	522	0	541	0	527	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	532	0	525	0	545	0	531	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	527	0	523	0	542	0	527	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	526	0	520	0	523	0	520	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1	S	WIND SPD2	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
	30 A	S	30 B	S	150A	S	150B	S		S	50 B	S		50 A	S			150A	S			150B	S			150B	S			S			
100	110	1	116	0	199	0	203	0	0	0	0	0	130	0	151	105	129	0	163	88	145	0	163	130	134	0	152	118	0	0	0	0	0	0
200	103	0	100	0	196	0	202	0	0	0	0	0	141	0	190	93	141	0	191	103	160	0	198	136	147	0	156	116	0	0	0	0	0	0
300	82	1	79	0	173	0	158	0	0	0	0	0	162	1	217	103	169	0	251	92	179	0	207	158	156	0	201	150	0	0	0	0	0	0
400	66	1	60	0	141	0	118	0	0	0	0	0	179	1	240	117	176	0	252	111	193	0	226	153	180	0	206	163	0	0	0	0	0	0
500	61	1	52	0	136	0	120	0	0	0	0	0	204	1	264	134	205	0	265	138	210	0	239	183	195	0	216	173	0	0	0	0	0	0
600	66	0	56	0	127	0	112	0	0	0	0	0	215	1	258	166	211	0	262	143	215	0	243	189	201	0	222	174	0	0	0	0	0	0
700	83	1	32	0	132	0	136	0	0	0	0	0	234	1	277	187	233	0	304	187	233	0	269	203	215	0	243	190	0	0	0	0	0	0
800	93	0	91	0	139	0	146	0	0	0	0	0	242	1	275	196	240	0	288	194	247	0	275	200	230	0	254	207	0	0	0	0	0	0
900	99	0	94	0	145	1	165	0	0	0	0	0	241	1	281	210	240	0	280	199	238	0	263	212	221	0	254	193	0	0	0	0	0	0
1000	124	0	116	0	191	0	193	0	0	0	0	0	237	0	293	202	237	0	336	180	235	0	305	202	216	0	255	193	0	0	0	0	0	0
1100	141	0	131	0	199	0	208	0	0	0	0	0	243	0	272	207	242	0	231	199	246	0	272	214	229	0	262	190	0	0	0	0	0	0
1200	172	0	165	0	225	0	236	0	0	0	0	0	273	1	302	234	268	0	317	218	283	0	310	252	263	0	293	213	0	0	0	0	0	0
1300	129	0	129	0	181	0	176	0	0	0	0	0	272	0	319	237	271	0	322	226	286	0	319	295	266	0	299	229	0	0	0	0	0	0
1400	151	0	152	0	197	0	202	0	0	0	0	0	272	1	297	243	267	0	320	230	281	0	316	247	264	0	306	232	0	0	0	0	0	0
1500	148	0	135	0	163	0	203	0	0	0	0	0	272	0	313	245	276	0	338	234	294	0	334	284	275	0	313	243	0	0	0	0	0	0
1600	171	0	165	0	242	0	252	0	0	0	0	0	292	0	328	270	290	0	339	250	304	0	312	281	292	0	289	266	0	0	0	0	0	0
1700	173	0	171	0	227	0	236	0	0	0	0	0	291	0	312	250	286	0	350	226	303	0	325	271	290	0	298	245	0	0	0	0	0	0
1800	147	0	148	0	220	0	218	0	0	0	0	0	318	0	342	285	306	0	341	230	331	0	11	299	308	0	357	291	0	0	0	0	0	0
1900	151	0	143	0	234	0	233	0	0	0	0	0	316	0	2	278	308	0	356	238	329	0	351	314	306	0	325	289	0	0	0	0	0	0
2000	142	0	146	0	217	0	216	0	0	0	0	0	316	0	351	279	311	0	4	276	327	0	348	306	304	0	350	286	0	0	0	0	0	0
2100	151	0	145	0	220	0	222	0	0	0	0	0	315	0	347	283	308	0	339	291	327	0	351	309	303	0	315	293	0	0	0	0	0	0
2200	135	0	137	0	203	0	208	0	0	0	0	0	316	0	350	277	311	0	343	279	328	0	337	305	305	0	322	294	0	0	0	0	0	0
2300	105	0	100	0	165	0	169	0	0	0	0	0	325	0	163	280	318	0	23	270	337	0	14	307	315	0	347	279	0	0	0	0	0	0
2400	99	0	97	0	149	0	151	0	0	0	0	0	319	1	350	281	313	0	352	296	330	0	347	300	307	0	331	287	0	0	0	0	0	0

	AMB. TEM1	S	AMB. TEM2	S	AMB. TEM3	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEMP5	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
	33 A	S	30 B	S	180A	S	180B	S		S		S	190A	S	180B	S		S		S		S		S		S		S		S		S		S
100	532	0	527	0	532	0	529	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
200	543	0	534	0	540	0	536	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
300	549	0	541	0	545	0	540	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
400	558	0	550	0	552	0	549	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
500	563	0	556	0	561	0	558	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
600	574	0	568	0	570	0	567	0	129	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
700	579	0	574	0	574	0	570	0	329	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
800	581	0	579	0	577	0	579	0	329	0	329	0	-2	0	2	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	1	0
900	583	0	576	0	577	0	572	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1000	586	0	579	0	581	0	577	0	329	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1100	594	0	586	0	597	0	586	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1200	638	1	622	0	621	0	619	0	329	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1300	637	0	631	0	624	0	621	0	329	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1400	651	0	646	0	637	0	631	0	329	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1500	653	0	653	0	642	0	635	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1600	637	0	630	0	633	0	628	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2	0
1700	646	0	639	0	633	0	630	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	6
1800	628	0	622	0	622	0	619	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1900	622	0	617	0	619	0	615	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2000	613	0	608	0	612	0	606	0	329	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2100	612	0	606	0	606	0	603	0	329	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2200	610	0	604	0	604	0	601	0	329	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2300	604	0	597	0	601	0	595	0	329	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2400	603	0	595	0	597	0	594	0	329	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	100	0	99	0	148	0	149	0	0	0	0	0	312	0	359	269	314	0	356	265	330	0	351	318	307	0	346	292	0	0	0	0	0	0	0	0
200	104	0	102	0	156	0	154	0	0	0	0	0	303	0	346	273	304	0	344	244	316	0	331	309	294	0	309	285	0	0	0	0	0	0	0	0
300	107	0	102	0	152	0	155	0	0	0	0	0	307	0	351	274	303	0	346	216	314	0	324	304	292	0	302	284	0	0	0	0	0	0	0	0
400	137	0	133	0	181	0	134	0	0	0	0	0	308	0	329	284	302	0	356	266	317	0	327	310	294	0	302	287	0	0	0	0	0	0	0	0
500	117	0	111	0	160	0	153	0	0	0	0	0	311	0	344	276	308	0	350	267	319	0	338	308	297	0	313	287	0	0	0	0	0	0	0	0
600	118	0	113	0	157	0	162	0	0	0	0	0	309	0	332	279	304	0	337	256	317	0	328	306	294	0	305	284	0	0	0	0	0	0	0	0
700	94	0	91	0	134	0	134	0	0	0	0	0	314	0	339	279	311	0	353	266	325	0	351	310	302	0	338	287	0	0	0	0	0	0	0	0
800	78	0	78	0	108	0	109	0	0	0	0	0	316	0	356	271	309	0	338	276	326	0	338	303	303	0	322	279	0	0	0	0	0	0	0	0
900	53	0	52	0	75	0	77	0	0	0	0	0	316	0	13	279	314	0	48	277	328	0	358	295	305	0	352	259	0	0	0	0	0	0	0	0
1000	47	0	46	0	59	0	61	0	0	0	0	0	304	0	339	258	299	0	335	261	320	0	345	282	297	0	315	275	0	0	0	0	0	0	0	0
1100	42	0	42	0	52	0	54	0	0	0	0	0	297	0	357	222	294	0	355	201	310	0	349	254	288	0	332	239	0	0	0	0	0	0	0	0
1200	47	0	45	0	52	0	56	0	0	0	0	0	259	0	311	181	254	0	299	180	261	0	304	207	241	0	280	198	0	0	0	0	0	0	0	0
1300	52	0	51	0	63	0	67	0	0	0	0	0	287	0	335	211	284	0	338	221	303	0	322	259	282	0	309	243	0	0	0	0	0	0	0	0
1400	40	0	39	0	52	0	55	0	0	0	0	0	290	0	352	217	290	0	350	213	317	0	21	274	297	0	347	258	0	0	0	0	0	0	0	0
1500	37	0	38	0	49	0	48	0	0	0	0	0	334	0	91	279	326	0	99	280	352	0	35	317	330	0	9	287	0	0	0	0	0	0	0	0
1600	35	0	38	0	46	0	52	0	0	0	0	0	51	0	87	22	46	0	98	2	54	0	79	29	35	0	58	8	0	0	0	0	0	0	0	0
1700	21	0	22	0	30	0	36	0	0	0	0	0	64	3	118	14	60	3	126	18	80	3	131	12	64	0	167	1	0	0	0	0	0	0	0	0
1800	26	0	25	0	43	0	46	0	0	0	0	0	90	3	112	70	87	3	130	65	142	0	163	114	130	0	151	105	0	0	0	0	0	0	0	0
1900	67	0	66	0	93	0	92	0	0	0	0	0	332	0	99	271	327	0	29	272	337	0	6	271	307	0	346	185	0	0	0	0	0	0	0	0
2000	91	0	95	0	133	0	138	0	0	0	0	0	123	0	159	80	131	0	164	82	125	0	159	57	111	0	147	39	0	0	0	0	0	0	0	0
2100	123	0	122	0	208	0	202	0	0	0	0	0	121	0	169	73	124	0	166	69	135	0	172	89	120	0	155	75	0	0	0	0	0	0	0	0
2200	103	0	96	0	282	0	225	0	0	0	0	0	192	0	268	144	137	0	257	106	194	0	211	171	180	0	196	163	0	0	0	0	0	0	0	0
2300	87	0	81	0	228	0	192	0	0	0	0	0	176	0	268	94	177	0	264	117	184	0	213	170	175	0	192	157	0	0	0	0	0	0	0	0
2400	102	0	100	0	203	0	205	0	0	0	0	0	151	0	239	112	151	0	204	105	159	0	214	119	147	0	184	109	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	603	0	595	0	597	0	594	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	595	0	590	0	597	0	592	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	597	0	592	0	595	0	592	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	597	0	590	0	595	0	590	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	595	0	589	0	592	0	588	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	592	0	586	0	590	0	586	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	594	0	586	0	588	0	583	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	597	0	592	0	592	0	586	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	624	0	619	0	618	0	614	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	635	0	630	0	621	0	617	0	320	0	320	0	-11	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	657	0	653	0	630	0	626	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	646	0	640	0	637	0	637	0	320	0	320	0	-7	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	660	0	655	0	635	0	633	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	664	0	660	0	640	0	637	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	676	0	673	0	653	0	649	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	675	0	669	0	651	0	646	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	673	0	666	0	658	0	653	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	653	0	646	0	660	0	675	0	320	0	320	0	22	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	642	0	635	0	664	0	658	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	606	1	599	0	622	0	617	0	320	0	320	0	15	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	612	0	604	0	626	0	622	0	320	0	320	0	15	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	603	0	595	0	622	0	617	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	606	0	599	0	631	0	626	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	613	0	606	0	631	0	626	0	320	0	320	0	13	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 50 A S	WIND DIR2 MIN MAX 50 B S	WIND DIR3 MIN MAX 150A S	WIND DIR4 MIN MAX 150B S	WIND DIR5 MIN MAX S	WIND DIR6 MIN MAX S
100	117 0	112 0	250 0	239 0	0 0	0 0	153 0	225 93	155 0	224 93	171 0	199 141	158 0	189 125	0 0	0 0	0 0	0 0
200	119 0	133 0	237 0	219 0	0 0	0 0	165 0	250 115	167 0	268 103	177 0	212 124	164 0	195 126	0 0	0 0	0 0	0 0
300	111 0	101 0	249 0	216 0	0 0	0 0	173 0	251 117	175 0	266 101	190 0	228 155	178 0	215 149	0 0	0 0	0 0	0 0
400	149 0	127 0	244 0	231 0	0 0	0 0	224 0	256 186	222 0	265 135	225 0	256 180	208 0	234 185	0 0	0 0	0 0	0 0
500	133 0	117 0	213 0	214 0	0 0	0 0	227 0	265 197	227 0	310 184	225 0	251 201	210 0	234 187	0 0	0 0	0 0	0 0
600	92 0	75 0	190 0	163 0	0 0	0 0	207 0	256 149	209 0	257 130	210 0	231 192	196 0	217 190	0 0	0 0	0 0	0 0
700	117 0	93 0	224 0	195 0	0 0	0 0	210 0	259 162	210 0	267 135	212 0	250 177	198 0	224 160	0 0	0 0	0 0	0 0
800	135 0	119 0	212 0	210 0	0 0	0 0	233 0	261 197	233 0	271 187	224 0	253 199	212 0	242 187	0 0	0 0	0 0	0 0
900	142 0	131 0	239 0	229 0	0 0	0 0	235 0	257 200	233 0	271 205	237 0	268 193	220 0	249 189	0 0	0 0	0 0	0 0
1000	154 0	147 0	234 0	241 0	0 0	0 0	237 0	264 168	235 0	283 190	236 0	259 197	219 0	239 198	0 0	0 0	0 0	0 0
1100	141 0	128 0	218 0	207 0	0 0	0 0	232 0	263 188	233 0	306 190	228 0	251 201	212 0	263 169	0 0	0 0	0 0	0 0
1200	113 0	106 0	181 0	179 0	0 0	0 0	237 0	284 189	236 0	299 184	230 0	259 190	213 0	243 166	0 0	0 0	0 0	0 0
1300	133 0	124 0	214 0	213 0	0 0	0 0	233 0	299 180	232 0	300 192	231 0	278 194	213 0	243 178	0 0	0 0	0 0	0 0
1400	148 0	140 0	249 0	259 0	0 0	0 0	243 0	279 221	243 0	285 205	242 0	266 214	226 0	247 201	0 0	0 0	0 0	0 0
1500	144 0	138 0	240 0	257 0	0 0	0 0	237 0	269 192	232 0	266 158	238 0	263 210	221 0	243 190	0 0	0 0	0 0	0 0
1600	147 0	145 0	256 0	267 0	0 0	0 0	247 0	270 225	246 0	274 219	259 0	265 245	242 0	252 230	0 0	0 0	0 0	0 0
1700	122 0	115 0	205 0	219 0	0 0	0 0	245 0	270 206	243 0	277 205	256 0	269 225	238 0	257 210	0 0	0 0	0 0	0 0
1800	95 0	93 0	174 0	193 0	0 0	0 0	252 0	278 227	250 0	302 219	270 0	284 247	253 0	267 229	0 0	0 0	0 0	0 0
1900	57 0	56 0	103 0	105 0	0 0	0 0	292 0	340 245	284 0	324 238	302 0	323 275	231 0	305 246	0 0	0 0	0 0	0 0
2000	76 0	73 0	134 0	145 0	0 0	0 0	297 0	334 233	294 0	340 241	312 0	336 289	290 0	310 273	0 0	0 0	0 0	0 0
2100	63 0	60 0	93 0	95 0	0 0	0 0	299 0	331 265	296 0	342 258	311 0	331 282	288 0	313 264	0 0	0 0	0 0	0 0
2200	23 0	22 0	41 0	42 0	0 0	0 0	84 3	238 3	98 3	255 2	13 0	83 278	353 0	94 278	0 0	0 0	0 0	0 0
2300	42 0	38 0	72 0	73 0	0 0	0 0	103 0	190 6	102 0	155 3	115 0	130 99	102 0	120 85	0 0	0 0	0 0	0 0
2400	50 0	53 0	76 0	83 0	0 0	0 0	55 0	81 24	51 0	88 12	52 0	80 29	34 0	61 4	0 0	0 0	0 0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	643 0	640 0	665 0	662 0	320 0	320 0	18 0	20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	673 0	666 0	683 0	675 0	320 0	320 0	7 0	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	694 0	689 0	702 0	696 0	320 0	320 0	7 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	727 0	721 0	735 0	720 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	691 0	635 0	703 0	694 0	320 0	320 0	9 0	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	684 0	676 0	698 0	691 0	320 0	320 0	14 0	14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	703 0	698 0	714 0	709 0	320 0	320 0	11 0	13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	732 0	727 0	732 0	727 0	320 0	320 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	745 0	738 0	745 0	738 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1000	761 0	756 0	755 0	752 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1100	786 0	781 0	777 0	772 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1200	790 0	784 0	777 0	772 0	320 0	320 0	-14 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1300	802 0	797 0	788 0	793 0	320 0	320 0	-14 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1400	793 0	786 0	789 0	781 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1500	799 0	792 0	802 0	797 0	320 0	320 0	5 0	5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1600	757 0	750 0	743 0	779 0	320 0	320 0	27 0	27 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1700	757 0	750 0	766 0	763 0	320 0	320 0	11 0	11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1800	757 0	750 0	775 0	770 0	320 0	320 0	20 0	20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1900	727 0	720 0	745 0	739 0	320 0	320 0	19 0	18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2000	730 0	723 0	748 0	743 0	320 0	320 0	20 0	20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2100	723 0	718 0	721 0	716 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2200	685 0	678 0	693 0	687 0	320 0	320 0	7 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2300	687 0	680 0	693 0	684 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2400	675 0	667 0	682 0	669 0	320 0	320 0	1 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 C	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	62	0	63	0	91	0	95	0	0	0	0	0	79	0	112	36	77	0	114	19	76	0	99	53	58	0	82	38	0	0	0	0	0	0
200	61	0	61	0	98	0	99	0	0	0	0	0	342	0	44	272	343	0	39	271	1	0	43	302	341	0	105	273	0	0	0	0	0	0
300	106	0	101	0	167	0	170	0	0	0	0	0	90	0	123	4	90	0	143	4	92	0	130	6	78	0	114	5	0	0	0	0	0	0
400	56	0	55	0	95	0	98	0	0	0	0	0	85	0	119	63	94	0	124	49	85	0	99	75	69	0	81	57	0	0	0	0	0	0
500	47	0	44	0	88	0	81	0	0	0	0	0	101	0	133	73	102	0	134	69	102	0	146	74	87	0	130	60	0	0	0	0	0	0
600	53	0	59	0	105	0	109	0	0	0	0	0	137	0	191	107	141	0	182	90	159	0	174	137	145	0	158	124	0	0	0	0	0	0
700	32	0	30	0	53	0	49	0	0	0	0	0	183	0	269	152	257	3	358	181	279	0	20	191	259	0	359	180	0	0	0	0	0	0
800	101	0	96	0	163	0	176	0	0	0	0	0	235	0	273	193	235	0	305	202	242	0	266	198	224	0	244	197	0	0	0	0	0	0
900	65	0	56	0	96	1	95	0	0	0	0	0	237	0	317	193	234	0	285	185	233	0	298	191	219	0	290	185	0	0	0	0	0	0
1000	37	0	36	0	57	0	62	0	0	0	0	0	288	0	327	223	276	0	341	220	276	0	307	218	258	0	296	196	0	0	0	0	0	0
1100	60	0	57	0	86	0	92	0	0	0	0	0	293	0	325	266	290	0	334	244	299	0	321	276	279	0	297	259	0	0	0	0	0	0
1200	39	0	39	0	59	0	61	0	0	0	0	0	307	0	358	247	301	0	355	227	325	0	355	280	302	0	331	278	0	0	0	0	0	0
1300	14	3	15	0	15	0	17	0	0	0	0	0	183	3	269	95	218	3	352	92	166	0	259	96	156	3	267	91	0	0	0	0	0	0
1400	59	0	60	0	83	0	87	0	0	0	0	0	131	0	185	99	131	0	176	55	149	0	183	116	139	0	175	108	0	0	0	0	0	0
1500	77	0	71	0	150	0	137	0	0	0	0	0	186	0	264	106	188	0	265	100	192	0	246	161	179	0	220	153	0	0	0	0	0	0
1600	74	0	68	0	119	0	109	0	0	0	0	0	220	0	269	123	223	0	267	152	217	0	264	187	201	0	237	164	0	0	0	0	0	0
1700	81	0	69	0	146	0	127	0	0	0	0	0	213	0	253	129	216	0	265	153	210	0	237	171	196	0	216	176	0	0	0	0	0	0
1800	53	0	45	0	116	0	99	0	0	0	0	0	169	0	224	99	171	0	261	102	186	0	202	165	173	0	187	146	0	0	0	0	0	0
1900	61	0	58	0	143	0	130	0	0	0	0	0	158	0	202	122	158	0	217	113	178	0	188	169	166	0	176	156	0	0	0	0	0	0
2000	63	0	62	0	164	0	140	0	0	0	0	0	165	0	221	90	169	0	264	93	187	0	203	162	173	0	197	149	0	0	0	0	0	0
2100	90	0	32	0	200	0	163	0	0	0	0	0	183	0	247	96	192	0	265	108	196	0	229	176	181	0	212	157	0	0	0	0	0	0
2200	82	0	66	0	189	0	151	0	0	0	0	0	200	0	258	121	197	0	262	96	202	0	245	170	188	0	221	164	0	0	0	0	0	0
2300	83	0	71	0	189	0	161	0	0	0	0	0	203	0	267	134	200	0	249	120	206	0	247	172	190	0	223	143	0	0	0	0	0	0
2400	124	0	134	0	206	0	168	0	0	0	0	0	218	0	267	139	218	0	269	118	215	0	239	191	202	0	224	176	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	647	0	639	0	660	0	644	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	642	0	635	0	640	0	635	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	626	0	621	0	622	0	619	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	615	0	608	0	621	0	617	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	617	0	612	0	630	0	626	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	637	0	631	0	662	0	658	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	648	0	640	0	655	0	649	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	666	0	658	0	667	0	662	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	667	0	660	0	667	0	660	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	682	0	684	0	682	0	675	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	684	0	678	0	671	0	656	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	714	0	711	0	691	0	687	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	733	0	734	0	727	0	721	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	777	0	775	0	741	0	738	0	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	840	0	837	0	815	0	811	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	860	0	856	0	842	0	837	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	845	0	840	0	829	0	826	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	815	0	810	0	817	0	811	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	790	0	783	0	810	0	806	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	777	0	770	0	790	0	784	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	783	0	777	0	784	0	779	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	783	0	777	0	786	0	781	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	772	0	766	0	775	0	770	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	775	0	770	0	775	0	770	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	DIR4	MIN	MAX	DIR5	MIN	MAX	DIR6
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50 B	S		150A	S		150B	S			S			S	
100	150	0	132	0	227	0	213	0	0	0	0	0	224	0	252	188	222	0	262	158	221	0	244	195	205	0	227	153	0	0	0	0	0	0
200	124	0	105	0	195	0	181	0	0	0	0	0	225	0	278	183	222	0	267	178	223	0	250	201	207	0	232	182	0	0	0	0	0	0
300	104	0	89	0	175	0	164	0	0	0	0	0	220	0	265	160	223	0	290	197	221	0	248	196	207	0	229	173	0	0	0	0	0	0
400	124	0	107	0	201	0	182	0	0	0	0	0	224	0	263	167	223	0	269	171	220	0	252	191	205	0	236	175	0	0	0	0	0	0
500	112	0	94	0	193	0	174	0	0	0	0	0	213	0	260	115	217	0	267	147	215	0	245	191	202	0	230	180	0	0	0	0	0	0
600	108	0	97	0	181	0	165	0	0	0	0	0	224	0	267	150	228	0	307	187	217	0	251	176	202	0	228	167	0	0	0	0	0	0
700	95	0	78	0	171	0	152	0	0	0	0	0	215	0	266	97	215	0	264	129	216	0	250	163	203	0	230	162	0	0	0	0	0	0
800	113	0	105	0	194	0	178	0	0	0	0	0	227	0	259	138	231	0	277	189	222	0	255	182	207	0	230	181	0	0	0	0	0	0
900	102	0	99	0	167	0	149	0	0	0	0	0	224	0	259	182	221	0	266	157	219	0	243	194	205	0	230	175	0	0	0	0	0	0
1000	91	0	80	0	133	0	124	0	0	0	0	0	226	0	263	175	226	0	265	94	219	0	244	191	205	0	240	176	0	0	0	0	0	0
1100	103	0	88	0	174	0	165	0	0	0	0	0	223	0	263	178	219	0	265	171	220	0	251	187	204	0	240	176	0	0	0	0	0	0
1200	92	0	79	0	161	0	154	0	0	0	0	0	224	0	265	136	224	0	269	152	223	0	259	202	208	0	247	192	0	0	0	0	0	0
1300	139	0	130	0	205	0	199	0	0	0	0	0	349	0	24	312	343	0	41	281	352	0	37	312	332	0	19	310	0	0	0	0	0	0
1400	150	0	143	0	215	0	207	0	0	0	0	0	344	0	12	324	339	0	16	306	353	0	17	331	331	0	5	313	0	0	0	0	0	0
1500	186	0	172	0	274	0	275	0	0	0	0	0	333	0	14	274	330	0	17	288	344	0	357	329	322	0	344	309	0	0	0	0	0	0
1600	166	0	155	0	257	0	259	0	0	0	0	0	343	0	16	310	338	0	27	285	348	0	2	308	327	0	352	300	0	0	0	0	0	0
1700	155	0	148	0	252	0	253	0	0	0	0	0	338	0	22	273	326	0	32	277	340	0	8	297	318	0	352	225	0	0	0	0	0	0
1800	194	0	192	0	296	0	287	0	0	0	0	0	313	0	347	289	314	0	5	281	328	0	343	301	305	0	332	280	0	0	0	0	0	0
1900	213	0	204	0	293	0	286	0	0	0	0	0	314	0	331	290	311	0	11	271	327	0	347	316	304	0	318	292	0	0	0	0	0	0
2000	210	0	204	0	299	0	289	0	0	0	0	0	317	0	346	269	313	0	351	257	327	0	353	304	305	0	325	297	0	0	0	0	0	0
2100	173	0	165	0	258	0	254	0	0	0	0	0	317	0	349	264	309	0	343	254	331	0	3	290	310	0	336	281	0	0	0	0	0	0
2200	191	0	183	0	280	0	282	0	0	0	0	0	319	0	359	258	314	0	12	271	333	0	4	283	309	0	337	269	0	0	0	0	0	0
2300	191	0	190	0	308	0	299	0	0	0	0	0	322	0	10	275	315	0	357	255	336	0	13	302	313	0	342	287	0	0	0	0	0	0
2400	220	0	209	0	315	0	311	0	0	0	0	0	316	0	345	295	308	0	344	259	331	0	4	307	307	0	337	292	0	0	0	0	0	0

	AMB. TEMP1		AMB. TEMP2		AMB. TEMP3		AMB. TEMP4		AMB. TEMP5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	
	30 A	S	30 B	S	150A	S	150B	S		S		S	150A	S	150B	S		S		S		S		S		S		S		S		S		S
100	772	0	765	0	769	0	763	0	320	0	320	0	2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
200	756	0	750	0	754	0	748	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
300	741	0	734	0	741	0	736	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
400	732	0	727	0	733	0	725	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
500	713	0	712	0	716	0	711	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
600	711	0	705	0	707	0	702	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
700	709	0	703	0	702	0	698	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
800	712	0	707	0	706	0	696	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
900	691	0	685	0	684	0	678	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1000	673	0	666	0	673	0	666	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1100	682	0	676	0	678	0	673	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1200	669	0	692	0	682	0	676	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1300	588	0	581	0	590	0	576	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1400	579	0	572	0	579	0	567	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1500	563	0	556	0	559	0	550	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1600	563	0	556	0	563	0	559	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1700	547	0	541	0	540	0	534	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1800	538	0	532	0	531	0	525	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1900	531	0	523	0	522	0	516	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2000	520	0	513	0	513	0	507	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2100	511	0	505	0	509	0	500	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2200	514	0	509	0	513	0	507	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2300	527	0	523	0	522	0	518	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2400	523	0	522	0	520	0	516	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	150A S	WIND DIR3	MIN	MAX	150B S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	206	0	196	0	285	1	284	0	0	0	0	0	317	1	353	282	310	0	344	250	329	0	356	308	306	0	332	291	0	0	0	0	0	0	
200	187	0	137	0	240	0	290	0	0	0	0	0	313	0	346	267	310	0	358	221	326	0	355	294	304	0	347	236	0	0	0	0	0	0	
300	219	0	209	0	299	0	299	0	0	0	0	0	314	0	335	279	308	0	343	267	324	0	348	311	301	0	329	291	0	0	0	0	0	0	
400	195	0	189	0	274	0	273	0	0	0	0	0	313	0	335	286	306	0	338	272	322	0	340	310	300	0	324	288	0	0	0	0	0	0	
500	173	0	170	0	243	0	245	0	0	0	0	0	312	1	334	280	306	0	350	244	324	0	344	294	300	0	330	279	0	0	0	0	0	0	
600	194	0	179	0	259	0	261	0	0	0	0	0	311	0	334	281	305	0	344	220	322	0	334	305	299	0	315	283	0	0	0	0	0	0	
700	176	0	175	0	240	0	245	0	0	0	0	0	305	0	326	281	301	0	353	243	315	0	331	303	293	0	305	280	0	0	0	0	0	0	
800	174	0	163	0	246	0	253	0	0	0	0	0	294	0	318	268	290	0	346	235	307	0	319	280	285	0	292	275	0	0	0	0	0	0	
900	173	0	161	0	239	0	247	0	0	0	0	0	294	0	320	246	290	0	348	218	307	0	321	295	285	0	298	275	0	0	0	0	0	0	
1000	160	0	172	0	251	0	258	0	0	0	0	0	297	1	324	264	293	0	339	254	308	0	321	285	286	0	301	259	0	0	0	0	0	0	
1100	178	0	170	0	229	1	244	0	0	0	0	0	293	1	324	262	287	0	335	248	302	0	320	265	281	0	307	242	0	0	0	0	0	0	
1200	162	0	159	0	207	0	218	0	0	0	0	0	277	1	323	246	273	0	319	236	292	0	332	247	271	0	305	226	0	0	0	0	0	0	
1300	147	0	136	0	205	0	216	0	0	0	0	0	293	1	346	266	286	0	321	244	300	0	320	267	279	0	309	246	0	0	0	0	0	0	
1400	172	0	163	0	223	0	241	0	0	0	0	0	289	0	317	254	285	0	330	244	300	0	323	253	279	0	304	244	0	0	0	0	0	0	
1500	173	0	169	0	219	0	233	0	0	0	0	0	282	0	324	240	277	0	329	220	295	0	334	263	276	0	303	234	0	0	0	0	0	0	
1600	190	0	189	0	222	0	242	0	0	0	0	0	275	1	310	239	270	0	320	225	289	0	325	244	270	0	303	233	0	0	0	0	0	0	
1700	194	0	185	0	245	0	256	0	0	0	0	0	280	1	310	240	276	0	338	230	292	0	326	255	273	0	302	237	0	0	0	0	0	0	
1800	167	0	160	0	216	0	226	0	0	0	0	0	276	0	334	247	271	0	344	227	291	0	330	254	270	0	317	221	0	0	0	0	0	0	
1900	195	0	180	0	264	0	274	0	0	0	0	0	293	0	330	263	285	0	345	246	302	0	316	246	291	0	302	257	0	0	0	0	0	0	
2000	241	0	230	0	316	0	333	0	0	0	0	0	289	0	317	247	286	0	346	230	300	0	339	266	278	0	303	245	0	0	0	0	0	0	
2100	201	0	198	0	256	0	271	0	0	0	0	0	282	0	312	244	279	0	344	222	291	0	317	250	274	0	301	229	0	0	0	0	0	0	
2200	195	0	180	0	266	0	279	0	0	0	0	0	285	0	345	250	279	0	334	258	297	0	326	261	276	0	307	251	0	0	0	0	0	0	
2300	220	0	210	0	311	0	318	0	0	0	0	0	293	0	322	269	293	0	322	254	309	0	322	297	287	0	298	276	0	0	0	0	0	0	
2400	216	0	209	0	305	0	314	0	0	0	0	0	294	0	321	269	292	0	332	245	308	0	321	296	286	0	300	278	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 140A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	O.T. 1 180A	S	O.T. 2 180B	S	O.T. 3	S	O.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	523	0	518	0	516	0	513	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	518	0	511	0	509	0	504	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	513	0	505	0	502	0	498	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	505	0	496	0	496	0	493	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	502	0	495	0	493	0	489	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	509	0	493	0	489	0	486	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	496	0	489	0	487	0	482	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	495	0	489	0	486	0	482	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	495	0	491	0	484	0	478	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	500	0	495	0	482	0	478	0	320	0	320	0	-19	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	505	0	500	0	496	0	488	0	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	504	0	498	0	497	0	494	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	500	0	495	0	491	0	484	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	504	0	498	0	495	0	491	0	320	0	320	0	-9	1	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	504	0	496	0	496	0	493	0	320	0	320	0	-5	1	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	513	0	509	0	509	0	502	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	509	0	504	0	502	0	498	0	320	0	320	0	-7	1	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	513	0	505	0	504	0	498	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	485	0	480	0	487	0	478	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	503	0	495	0	493	0	489	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	493	0	491	0	491	0	486	0	320	0	320	0	-7	1	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	493	0	486	0	484	0	480	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	487	0	480	0	477	0	473	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	486	0	478	0	476	0	473	0	320	0	320	0	-9	1	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	S	WIND SPD2 SC B S	S	WIND SPD3 150A S	S	WIND SPD4 150B S	S	WIND SPD5 S	S	WIND SPD6 S	S	WIND DIR1 50 A S	MIN	MAX	S	WIND DIR2 150A S	MIN	MAX	S	WIND DIR3 150B S	MIN	MAX	S	WIND DIR4 S	MIN	MAX	S	WIND DIR5 S	MIN	MAX	S	WIND DIR6 S
100	202	1	195	0	300	0	308	0	0	0	0	0	294	1	319	265	299	0	334	219	307	0	317	287	295	0	292	279	0	0	0	0	0	0
200	187	0	174	0	265	1	275	0	0	0	0	0	292	0	316	262	287	0	332	253	305	0	325	273	283	0	302	252	0	0	0	0	0	0
300	197	0	185	0	275	0	284	0	0	0	0	0	292	0	329	255	295	0	344	244	305	0	318	290	283	0	298	264	0	0	0	0	0	0
400	178	0	175	0	253	0	268	0	0	0	0	0	297	0	325	254	290	0	358	235	307	0	325	286	296	0	301	269	0	0	0	0	0	0
500	162	0	154	0	244	1	252	0	0	0	0	0	294	0	313	246	289	0	358	243	305	0	332	287	283	0	305	265	0	0	0	0	0	0
600	153	0	150	0	224	0	228	0	0	0	0	0	293	0	312	265	284	0	346	248	303	0	333	264	281	0	307	242	0	0	0	0	0	0
700	176	1	173	0	243	0	254	0	0	0	0	0	291	0	320	258	284	0	323	239	303	0	326	280	283	0	304	258	0	0	0	0	0	0
800	186	0	180	0	241	0	257	0	0	0	0	0	287	0	319	237	283	0	340	218	298	0	334	257	279	0	308	241	0	0	0	0	0	0
900	196	0	196	0	238	0	259	0	0	0	0	0	283	0	328	247	275	0	333	224	294	0	330	259	272	0	297	235	0	0	0	0	0	0
1000	183	0	179	0	213	0	240	0	0	0	0	0	291	0	318	241	277	0	328	223	293	0	321	248	274	0	299	232	0	0	0	0	0	0
1100	190	0	188	0	225	0	234	0	0	0	0	0	279	0	316	240	271	0	326	229	289	0	321	258	270	0	302	229	0	0	0	0	0	0
1200	190	0	176	0	245	0	253	0	0	0	0	0	286	0	317	239	280	0	340	227	300	0	331	272	278	0	309	233	0	0	0	0	0	0
1300	176	0	173	0	233	0	261	0	0	0	0	0	291	0	323	248	293	0	340	227	304	0	327	262	292	0	302	246	0	0	0	0	0	0
1400	259	0	245	0	349	0	370	0	0	0	0	0	299	0	317	263	292	0	340	236	311	0	319	300	288	0	298	280	0	0	0	0	0	0
1500	156	0	151	0	213	0	227	0	0	0	0	0	289	0	320	253	286	0	345	232	301	0	321	239	279	0	301	242	0	0	0	0	0	0
1600	173	0	177	0	236	0	248	0	0	0	0	0	284	0	328	255	283	0	342	243	299	0	327	246	278	0	316	242	0	0	0	0	0	0
1700	176	0	168	0	242	0	249	0	0	0	0	0	301	0	336	278	301	0	354	256	309	0	331	291	287	0	309	274	0	0	0	0	0	0
1800	191	0	192	0	243	0	257	0	0	0	0	0	291	0	327	246	284	0	348	239	298	0	321	258	278	0	302	232	0	0	0	0	0	0
1900	172	0	162	0	234	0	244	0	0	0	0	0	303	0	321	257	296	0	339	246	309	0	322	288	287	0	303	255	0	0	0	0	0	0
2000	161	0	154	0	223	0	230	0	0	0	0	0	293	0	342	269	294	0	357	258	307	0	327	293	295	0	305	252	0	0	0	0	0	0
2100	172	0	169	0	261	0	257	0	0	0	0	0	296	0	323	270	292	0	333	253	309	0	323	299	297	0	300	278	0	0	0	0	0	0
2200	205	0	194	0	277	0	282	0	0	0	0	0	308	0	355	277	300	0	341	264	317	0	331	304	294	0	309	232	0	0	0	0	0	0
2300	220	0	214	0	287	0	290	0	0	0	0	0	307	0	334	277	302	0	334	262	316	0	325	306	294	0	303	285	0	0	0	0	0	0
2400	177	0	173	0	242	0	243	0	0	0	0	0	313	0	349	284	309	0	354	256	323	0	347	294	302	0	330	287	0	0	0	0	0	0

	AMB. TEM1 30 A S	S	AMB. TEM2 30 B S	S	AMB. TEM3 180A S	S	AMB. TEM4 180B S	S	AMB. TEM5 S	S	AMB. TEMP6 S	S	D.T. 1 180A S	S	D.T. 2 180B S	S	D.T. 3 S	S	D.T. 4 S	S	MISC 1 S	S	MISC 2 S	S	MISC 3 S	S	MISC 4 S	S	MISC 5 S	S	MISC 6 S	S	MISC 7 S	S	RAIN S
100	487	0	480	0	477	0	473	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	484	0	477	0	475	0	469	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	487	0	480	0	475	0	475	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	486	0	478	0	477	0	475	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	486	0	479	0	480	0	475	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	484	0	477	0	473	0	475	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	486	0	480	0	473	0	475	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	482	0	482	0	480	0	475	0	320	0	320	0	-2	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	486	0	478	0	478	0	473	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	495	0	489	0	486	0	478	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	496	0	489	0	484	0	480	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	496	0	489	0	486	0	482	0	320	0	320	0	-2	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	491	0	482	0	493	0	487	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	491	0	484	0	482	0	473	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	516	0	511	0	504	0	498	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	513	0	507	0	504	0	498	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
1700	489	0	484	0	487	0	484	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	6
1800	509	0	498	0	496	0	493	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	498	0	491	0	493	0	487	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	505	0	498	0	493	0	495	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	505	0	498	0	503	0	496	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	505	0	500	0	498	0	493	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	504	0	496	0	495	0	489	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	505	0	498	0	496	0	493	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	177	0	170	0	244	0	245	0	0	0	0	0	315	1	344	299	310	0	13	278	326	0	352	308	303	0	323	291	0	0	0	0	0	0	0	0
200	191	0	176	0	245	0	249	0	0	0	0	0	311	1	335	283	307	0	341	247	320	0	333	304	298	0	309	294	0	0	0	0	0	0	0	0
300	142	0	139	0	205	0	203	0	0	0	0	0	319	0	352	280	314	0	-43	271	332	0	12	303	309	0	348	276	0	0	0	0	0	0	0	0
400	134	0	135	0	192	0	192	0	0	0	-0	0	314	3	342	272	304	0	355	251	323	0	351	305	299	0	335	284	0	0	0	0	0	0	0	0
500	131	0	124	0	182	0	179	0	0	0	0	0	316	0	341	287	310	0	358	266	326	0	351	306	303	0	323	297	0	0	0	0	0	0	0	0
600	147	0	147	0	205	0	207	0	0	0	0	0	309	1	342	277	303	0	346	264	316	0	339	297	293	0	322	274	0	0	0	0	0	0	0	0
700	127	0	118	0	185	0	177	0	0	0	0	0	302	0	346	259	297	0	351	237	312	0	335	298	289	0	310	279	0	0	0	0	0	0	0	0
800	152	0	144	0	203	0	207	0	0	0	0	0	305	0	346	277	303	0	335	265	315	0	331	303	293	0	309	291	0	0	0	0	0	0	0	0
900	147	0	139	0	191	0	206	0	0	0	0	0	307	0	331	285	300	0	334	248	316	0	334	305	293	0	309	291	0	0	0	0	0	0	0	0
1000	136	0	135	0	185	0	186	0	0	0	0	0	313	0	357	283	307	0	350	254	324	0	355	309	300	0	319	297	0	0	0	0	0	0	0	0
1100	122	0	123	0	164	0	174	0	0	0	0	0	314	0	351	281	311	0	10	271	326	0	350	298	302	0	324	271	0	0	0	0	0	0	0	0
1200	122	0	115	0	175	0	161	0	0	0	0	0	302	0	335	274	296	0	344	243	314	0	326	296	291	0	307	280	0	0	0	0	0	0	0	0
1300	105	0	102	0	147	0	152	0	0	0	0	0	297	0	339	253	291	0	355	228	310	0	341	286	287	0	313	265	0	0	0	0	0	0	0	0
1400	95	0	91	0	134	0	140	0	0	0	0	0	292	0	329	256	287	0	351	247	301	0	322	266	291	0	305	249	0	0	0	0	0	0	0	0
1500	89	0	85	0	134	0	140	0	0	0	0	0	294	0	344	231	289	0	347	227	302	0	335	223	291	0	307	234	0	0	0	0	0	0	0	0
1600	85	0	83	0	108	0	114	0	0	0	0	0	282	0	320	244	278	0	335	232	295	0	322	258	275	0	324	229	0	0	0	0	0	0	0	0
1700	75	0	73	0	91	0	96	0	0	0	0	0	290	0	349	235	287	0	335	227	298	0	325	243	279	0	303	232	0	0	0	0	0	0	0	0
1800	43	0	45	0	73	0	76	0	0	0	0	0	270	0	350	231	263	0	327	202	282	0	330	219	263	0	314	209	0	0	0	0	0	0	0	0
1900	21	0	18	0	29	0	30	0	0	0	0	0	215	0	269	176	212	3	266	155	255	0	359	190	242	0	347	181	0	0	0	0	0	0	0	0
2000	45	0	44	0	67	0	54	0	0	0	0	0	185	0	202	158	183	0	231	147	200	0	210	193	185	0	198	174	0	0	0	0	0	0	0	0
2100	53	0	50	0	74	0	62	0	0	0	0	0	182	0	203	157	178	0	199	152	189	0	193	184	175	0	184	170	0	0	0	0	0	0	0	0
2200	47	0	49	0	111	0	89	0	0	0	0	0	178	1	206	133	177	0	220	127	185	0	190	181	170	0	174	168	0	0	0	0	0	0	0	0
2300	53	0	53	0	150	0	119	0	0	0	0	0	169	0	224	123	154	0	227	106	191	0	193	187	175	0	178	171	0	0	0	0	0	0	0	0
2400	56	0	58	0	171	0	144	0	0	0	0	0	167	0	212	126	156	0	215	117	183	0	192	186	172	0	175	170	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	505	0	498	0	496	0	493	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	505	0	500	0	496	0	493	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	502	0	496	0	495	0	489	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	500	0	493	0	493	0	487	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	495	0	487	0	487	0	484	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	487	0	482	0	480	0	475	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	487	0	480	0	489	0	486	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	491	0	486	0	487	0	484	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	500	0	495	0	491	0	487	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	514	0	509	0	500	0	495	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	511	0	505	0	495	0	493	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	522	0	516	0	495	0	491	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	525	0	520	0	495	0	491	0	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	529	0	523	0	495	0	491	0	320	0	320	0	-32	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	534	0	527	0	498	0	495	0	320	0	320	0	-36	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	522	0	516	0	503	0	496	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	525	0	520	0	509	0	504	0	320	0	320	0	-13	1	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	507	0	503	0	503	0	496	0	320	0	320	0	-5	1	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	477	0	469	0	484	0	478	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	471	0	464	0	495	0	493	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	462	0	455	0	495	0	489	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	433	0	426	0	487	1	434	0	320	0	320	0	54	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	417	0	410	0	489	0	436	0	320	0	320	0	72	1	76	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	412	0	403	0	486	0	492	0	320	0	320	0	76	0	77	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1	S	WIND SPD2	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
	61	1	56	0	175	0	145	0	0	0	0	0	166	202	133		163	0	209	117	187	0	192	181	172	0	175	168	0	0	0	0	0	0
200	55	1	55	0	191	0	119	0	0	0	0	0	163	201	124		163	0	214	113	200	0	204	191	184	0	191	174	0	0	0	0	0	0
300	62	1	59	0	158	1	111	0	0	0	0	0	145	165	123		147	0	185	117	186	0	193	179	171	0	179	167	0	0	0	0	0	0
400	64	0	62	0	164	0	121	0	0	0	0	0	154	178	132		153	0	196	116	196	0	202	187	190	0	197	174	0	0	0	0	0	0
500	63	1	60	0	179	1	132	0	0	0	0	0	154	188	130		158	0	222	112	196	0	201	190	179	0	186	175	0	0	0	0	0	0
600	61	0	58	0	173	0	142	0	0	0	0	0	153	187	111		150	0	210	93	193	0	201	177	176	0	186	165	0	0	0	0	0	0
700	61	1	55	0	167	0	139	0	0	0	0	0	150	191	98		150	0	245	103	190	0	198	172	175	0	186	162	0	0	0	0	0	0
800	45	0	43	0	135	0	118	0	0	0	0	0	151	255	92		152	0	260	90	184	0	200	157	169	0	196	142	0	0	0	0	0	0
900	45	1	39	0	105	0	91	0	0	0	0	0	171	268	91		172	0	269	90	186	0	215	192	171	0	213	123	0	0	0	0	0	0
1000	64	0	56	0	126	0	137	0	0	0	0	0	192	269	116		192	0	267	121	197	0	227	153	190	0	209	125	0	0	0	0	0	0
1100	92	1	78	0	151	0	120	0	0	0	0	0	219	252	166		217	0	258	155	218	0	253	160	202	0	236	155	0	0	0	0	0	0
1200	63	0	63	0	116	0	106	0	0	0	0	0	193	267	97		193	0	269	92	194	0	238	146	179	0	215	130	0	0	0	0	0	0
1300	71	0	68	0	134	0	124	0	0	0	0	0	172	263	98		174	0	269	96	181	0	229	120	166	0	213	129	0	0	0	0	0	0
1400	67	0	56	0	133	0	114	0	0	0	0	0	188	264	94		185	0	269	104	195	0	242	139	178	0	219	109	0	0	0	0	0	0
1500	67	1	60	0	117	0	98	0	0	0	0	0	193	267	101		195	0	254	121	199	0	244	131	182	0	229	107	0	0	0	0	0	0
1600	69	0	62	0	145	0	127	0	0	0	0	0	190	267	102		185	0	262	99	196	0	235	160	181	0	220	135	0	0	0	0	0	0
1700	62	1	63	0	121	0	116	0	0	0	0	0	173	247	106		175	0	269	105	173	0	224	146	164	0	209	142	0	0	0	0	0	0
1800	47	0	44	0	103	0	96	0	0	0	0	0	183	260	103		181	0	250	107	188	0	225	153	174	0	198	150	0	0	0	0	0	0
1900	51	0	50	0	122	0	111	0	0	0	0	0	166	190	134		165	0	212	98	181	0	190	176	167	0	179	159	0	0	0	0	0	0
2000	63	0	61	0	146	0	137	0	0	0	0	0	151	195	108		153	0	210	104	176	0	180	170	163	0	168	158	0	0	0	0	0	0
2100	67	0	66	0	165	0	151	0	0	0	0	0	159	187	115		154	0	225	103	179	0	187	179	165	0	173	160	0	0	0	0	0	0
2200	62	0	60	0	166	0	144	0	0	0	0	0	169	229	103		169	0	232	107	185	0	199	167	171	0	186	159	0	0	0	0	0	0
2300	66	0	63	0	169	0	130	0	0	0	0	0	160	209	107		163	0	253	111	184	0	200	170	169	0	182	158	0	0	0	0	0	0
2400	67	0	61	0	165	0	149	0	0	0	0	0	147	192	105		149	0	199	107	178	0	193	165	164	0	179	151	0	0	0	0	0	0

	AMB. TEM1	S	AMB. TEM2	S	AMB. TEM3	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEM6	S	O.T. 1	S	O.T. 2	S	O.T. 3	S	O.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	412	0	403	0	482	0	477	0	320	0	320	0	79	0	74	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
200	401	0	394	0	482	0	475	0	320	0	320	0	77	1	81	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
300	385	0	378	0	453	0	448	0	320	0	320	0	69	0	70	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
400	381	0	374	0	468	0	464	0	320	0	320	0	85	1	88	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
500	381	0	374	0	466	0	460	0	320	0	320	0	83	0	96	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
600	375	0	367	0	441	0	435	0	320	0	320	0	65	1	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
700	373	0	370	0	430	0	424	0	320	0	320	0	52	0	56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
800	439	0	433	0	437	0	432	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
900	504	0	498	0	475	0	471	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1000	545	0	538	0	514	0	513	0	320	0	320	0	-27	1	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1100	567	0	559	0	541	0	538	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1200	590	0	585	0	563	0	559	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1300	612	0	608	0	576	0	570	0	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1400	639	1	629	1	592	0	586	0	320	0	320	0	-33	1	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1500	642	0	637	0	608	0	604	0	320	0	320	0	-34	1	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1600	643	0	642	0	615	0	612	0	320	0	320	0	-31	1	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1700	635	0	630	0	615	0	612	0	320	0	320	0	-29	1	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1800	613	0	606	0	603	0	603	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1900	570	0	563	0	592	0	586	0	320	0	320	0	22	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2000	545	0	536	0	577	0	572	0	320	0	320	0	35	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2100	531	0	523	0	569	0	563	0	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2200	522	0	522	0	558	0	554	0	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2300	523	0	511	0	545	0	540	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2400	507	0	500	0	532	0	527	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND DIR2 MIN MAX 50 A S	WIND DIR3 MIN MAX 150A S	WIND DIR4 MIN MAX 150B S	WIND DIR5 MIN MAX S	WIND DIR6 MIN MAX S
100	74 0	73 0	173 0	152 0	0 0	0 0	155 0	193 105	159 0 232 92	181 0 193 153	168 0 184 151	0 0 0 0 0 0
200	65 0	61 0	152 0	134 0	0 0	0 0	171 0	258 99	171 0 265 103	189 0 215 162	174 0 199 144	0 0 0 0 0 0
300	64 0	54 0	143 0	124 0	0 0	0 0	178 0	261 99	178 0 253 104	190 0 227 123	174 0 214 119	0 0 0 0 0 0
400	60 0	56 0	142 0	123 0	0 0	0 0	181 0	266 92	176 0 252 98	187 0 229 147	174 0 220 130	0 0 0 0 0 0
500	80 0	71 0	184 0	154 0	0 0	0 0	179 0	240 118	174 0 263 106	193 0 214 170	179 0 200 157	0 0 0 0 0 0
600	73 0	70 0	165 0	143 0	0 0	0 0	175 0	258 122	177 0 264 105	188 0 215 150	175 0 209 146	0 0 0 0 0 0
700	65 0	58 0	159 0	129 0	0 0	0 0	183 0	242 97	170 0 247 112	192 0 223 167	177 0 202 147	0 0 0 0 0 0
800	65 0	58 0	154 0	128 0	0 0	0 0	185 0	249 116	184 0 253 90	196 0 224 175	181 0 198 153	0 0 0 0 0 0
900	59 0	47 0	141 0	114 0	0 0	0 0	191 0	253 103	183 0 262 98	195 0 210 158	181 0 209 153	0 0 0 0 0 0
1000	46 0	43 0	112 0	96 0	0 0	0 0	183 0	249 105	180 0 269 96	192 0 217 151	176 0 196 154	0 0 0 0 0 0
1100	39 0	33 0	96 0	81 0	0 0	0 0	196 0	255 104	192 0 266 133	198 0 211 184	184 0 199 168	0 0 0 0 0 0
1200	55 0	45 0	109 0	93 0	0 0	0 0	207 0	267 120	207 0 268 132	206 0 226 179	190 0 216 165	0 0 0 0 0 0
1300	57 0	48 0	115 0	99 0	0 0	0 0	207 0	261 138	205 0 257 120	207 0 233 184	192 0 215 168	0 0 0 0 0 0
1400	73 0	65 0	111 0	111 0	0 0	0 0	230 0	270 197	227 0 264 175	230 0 260 210	214 0 257 188	0 0 0 0 0 0
1500	71 0	62 0	120 0	114 0	0 0	0 0	220 0	259 173	220 0 263 171	221 0 246 187	208 0 233 187	0 0 0 0 0 0
1600	43 0	36 0	103 0	90 0	0 0	0 0	195 0	258 125	195 0 261 141	199 0 217 179	183 0 202 157	0 0 0 0 0 0
1700	53 0	48 0	125 0	110 0	0 0	0 0	177 0	266 101	177 0 263 105	190 0 222 167	176 0 213 157	0 0 0 0 0 0
1800	62 0	50 0	139 0	115 0	0 0	0 0	201 0	259 92	201 0 267 104	201 0 229 163	188 0 220 154	0 0 0 0 0 0
1900	65 0	55 0	126 0	109 0	0 0	0 0	210 0	265 143	211 0 269 116	210 0 235 172	196 0 225 177	0 0 0 0 0 0
2000	70 0	59 0	119 0	106 0	0 0	0 0	219 0	262 173	220 0 269 179	218 0 248 187	203 0 231 178	0 0 0 0 0 0
2100	52 0	44 0	102 0	92 0	0 0	0 0	215 0	266 97	214 0 266 149	215 0 255 190	200 0 226 171	0 0 0 0 0 0
2200	62 0	58 0	105 0	104 0	0 0	0 0	224 0	262 178	229 0 286 182	229 0 251 209	214 0 231 191	0 0 0 0 0 0
2300	96 0	92 0	142 0	150 0	0 0	0 0	244 0	286 211	243 0 292 201	245 0 267 214	230 0 247 193	0 0 0 0 0 0
2400	73 0	66 0	115 0	120 0	0 0	0 0	230 0	279 190	228 0 266 184	235 0 275 214	219 0 243 186	0 0 0 0 0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	513 0	511 0	532 0	527 0	320 0	320 0	15 0	18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	529 0	523 0	534 0	529 0	320 0	320 0	5 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	540 0	532 0	545 0	541 0	320 0	320 0	7 0	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	531 0	523 0	534 0	531 0	320 0	320 0	5 0	5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	531 0	523 0	543 0	536 0	320 0	320 0	11 0	11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	525 0	520 0	527 0	522 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	523 0	518 0	525 0	522 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	531 0	523 0	529 0	525 0	320 0	320 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	520 0	511 0	527 0	522 0	320 0	320 0	9 0	11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1000	536 0	531 0	532 0	527 0	320 0	320 0	-9 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1100	536 0	531 0	533 0	534 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1200	579 0	568 0	566 0	552 0	320 0	320 0	-16 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1300	574 0	568 0	568 0	565 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1400	577 0	570 0	570 0	567 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1500	543 0	536 0	541 0	538 0	320 0	320 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1600	522 0	514 0	523 0	520 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1700	522 0	514 0	529 0	516 0	320 0	320 0	0 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1800	540 0	530 0	535 0	532 0	320 0	320 0	-2 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1900	541 0	534 0	536 0	531 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2000	536 0	529 0	527 0	523 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2100	541 0	534 0	536 0	531 0	321 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2200	554 0	549 0	547 0	543 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2300	572 0	567 0	565 0	563 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2400	572 0	567 0	567 0	563 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 4 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1	WIND DIR2 MIN 50 B S	WIND DIR2 MAX 50 B S	WIND DIR3 MIN 150A S	WIND DIR3 MAX 150A S	WIND DIR4 MIN 150B S	WIND DIR4 MAX 150B S	WIND DIR5 MIN S	WIND DIR5 MAX S	WIND DIR6 MIN S	WIND DIR6 MAX S
100	51 0	43 0	101 0	91 0	1 0	0 0	212 0	249	151	217 0	255 141	215 0	232 198	200 0	222 177	0 0	0 0
200	61 0	57 0	104 0	105 0	1 0	0 0	255 1	274	199	231 0	267 179	232 0	259 205	216 0	240 191	0 0	0 0
300	113 0	138 0	151 0	160 0	0 0	0 0	251 1	276	230	249 0	294 213	252 0	264 238	237 0	251 215	0 0	0 0
400	65 0	61 0	103 0	106 0	0 0	0 0	235 1	279	183	233 0	293 193	237 0	269 190	221 0	252 186	0 0	0 0
500	78 0	75 0	111 0	117 0	0 0	0 0	249 0	276	190	247 0	293 198	251 0	276 212	235 0	260 139	0 0	0 0
600	55 0	52 0	99 0	108 0	0 0	0 0	229 0	265	175	227 0	266 168	231 0	270 211	214 0	229 149	0 0	0 0
700	75 0	74 0	112 0	119 0	0 0	0 0	247 1	276	222	245 0	274 216	250 0	271 223	235 0	260 212	0 0	0 0
800	31 0	29 0	75 0	52 0	0 0	0 0	192 0	245	124	139 3	264 104	201 0	221 184	185 0	213 167	0 0	0 0
900	33 0	31 0	75 0	54 0	0 0	0 0	205 3	267	115	203 0	266 97	206 0	221 187	190 0	213 175	0 0	0 0
1000	47 0	42 0	76 0	70 0	0 0	0 0	225 1	268	151	229 0	297 184	221 0	247 190	207 0	229 164	0 0	0 0
1100	49 1	37 0	68 1	57 0	0 0	0 0	213 0	260	163	213 0	265 147	213 0	232 190	198 0	215 173	0 0	0 0
1200	57 0	55 0	76 0	80 0	0 0	0 0	244 1	265	213	240 0	286 191	244 0	288 220	227 0	270 203	0 0	0 0
1300	37 0	32 0	53 0	47 0	0 0	0 0	213 0	269	102	216 0	263 100	219 0	275 190	203 0	266 177	0 0	0 0
1400	33 0	32 0	35 0	39 0	0 0	0 0	267 0	312	225	263 0	333 206	255 0	312 204	239 0	293 195	0 0	0 0
1500	55 0	52 0	52 0	56 0	0 0	0 0	260 1	343	193	257 0	317 190	253 0	293 225	241 0	285 139	0 0	0 0
1600	32 0	30 0	54 0	46 0	0 0	0 0	257 0	359	186	254 3	356 182	228 0	345 181	201 0	269 98	0 0	0 0
1700	23 1	24 0	16 0	19 0	0 0	0 0	302 0	351	202	306 3	351 239	263 3	355 185	264 3	353 187	0 0	0 0
1800	13 0	20 0	12 0	16 0	0 0	0 0	356 3	24	302	351 3	25 309	77 3	125 46	58 3	111 21	0 0	0 0
1900	42 0	53 0	104 0	104 0	0 0	0 0	47 0	74	26	43 0	88 12	43 0	57 29	24 0	39 9	0 0	0 0
2000	61 0	60 0	90 0	91 0	0 0	0 0	92 0	100	87	92 0	101 80	109 0	114 101	93 0	99 89	0 0	0 0
2100	63 0	61 0	115 0	124 0	0 0	0 0	117 0	124	113	120 0	132 104	136 0	138 135	121 0	123 121	0 0	0 0
2200	65 0	61 0	116 0	120 0	0 0	0 0	123 0	127	112	123 0	136 111	149 0	155 141	134 0	140 129	0 0	0 0
2300	57 0	56 0	141 0	135 0	0 0	0 0	136 1	155	113	140 0	171 104	175 0	180 166	159 0	166 150	0 0	0 0
2400	53 0	47 0	136 0	142 0	0 0	0 0	198 0	228	128	199 0	239 155	227 0	236 216	213 0	221 204	0 0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 100A S	AMB. TEM4 100B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 100A S	D.T. 2 100B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	564 0	563 0	563 0	558 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	563 0	563 0	561 0	558 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	581 0	574 0	572 0	566 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	583 0	576 0	573 0	568 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	594 0	588 0	586 0	583 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	576 0	570 0	564 0	565 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	593 0	583 0	586 0	579 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	577 0	570 0	568 0	563 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	574 0	568 0	563 0	558 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1000	581 0	576 0	573 0	567 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1100	590 0	585 0	579 0	572 0	320 0	320 0	-13 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1200	592 0	594 0	585 0	581 0	320 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1300	610 0	604 0	594 0	589 0	320 0	320 0	-16 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1400	623 0	622 0	613 0	610 0	320 0	320 0	-13 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1500	649 0	642 0	626 0	626 0	320 0	320 0	-20 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1600	685 0	680 0	649 0	646 0	320 0	320 0	-36 0	-34 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1700	678 0	673 0	675 0	671 0	320 0	320 0	-4 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1800	637 0	628 0	661 0	646 0	320 0	320 0	14 0	16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1900	593 0	583 0	605 0	577 0	320 0	320 0	13 0	14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2000	583 0	581 0	630 0	624 0	320 0	320 0	41 0	45 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2100	581 0	574 0	633 0	628 0	320 0	320 0	52 0	54 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2200	574 0	567 0	619 0	615 0	320 0	320 0	45 0	47 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2300	554 0	550 0	621 0	617 0	320 0	320 0	65 0	67 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2400	575 0	570 0	633 0	630 0	320 0	320 0	53 0	52 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 60 A	S	WIND SPD2 60 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 60 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	73	0	68	0	126	0	134	0	0	0	0	0	320	0	240	193	219	0	251	179	234	0	244	226	218	0	229	211	0	0	0	0	0	0	0	0
200	63	0	53	0	120	0	127	0	0	0	0	0	217	0	236	197	215	0	256	177	234	0	241	227	218	0	225	212	0	0	0	0	0	0	0	0
300	65	0	51	0	119	0	125	0	0	0	0	0	213	0	233	188	209	0	247	175	236	0	244	230	219	0	223	213	0	0	0	0	0	0	0	0
400	63	0	52	0	125	0	133	0	0	0	0	0	224	0	256	191	227	0	267	184	238	0	264	220	220	0	243	204	0	0	0	0	0	0	0	0
500	64	0	52	0	116	0	123	0	0	0	0	0	211	0	223	174	211	0	240	159	237	0	247	230	220	0	229	214	0	0	0	0	0	0	0	0
600	53	0	43	0	102	0	107	0	0	0	0	0	200	0	230	166	199	0	239	124	237	0	243	231	221	0	225	216	0	0	0	0	0	0	0	0
700	53	0	49	0	115	0	119	0	0	0	0	0	197	0	235	170	190	0	252	135	225	0	236	216	212	0	221	204	0	0	0	0	0	0	0	0
800	44	0	41	0	117	0	104	0	0	0	0	0	164	0	225	113	169	0	230	92	211	0	219	197	196	0	204	176	0	0	0	0	0	0	0	0
900	47	0	41	0	87	0	36	0	0	0	0	0	203	0	258	100	202	0	259	125	224	0	263	203	209	0	246	190	0	0	0	0	0	0	0	0
1000	58	0	57	0	79	0	81	0	0	0	0	0	242	0	286	199	241	0	298	194	232	0	283	199	217	0	253	159	0	0	0	0	0	0	0	0
1100	68	0	65	0	89	0	89	0	0	0	0	0	235	0	269	204	230	0	264	146	247	0	277	221	231	0	265	211	0	0	0	0	0	0	0	0
1200	68	0	70	0	77	0	85	0	0	0	0	0	263	0	295	242	261	0	295	232	272	0	290	250	254	0	277	236	0	0	0	0	0	0	0	0
1300	65	0	63	0	67	0	61	0	0	0	0	0	296	0	323	265	291	0	334	261	298	0	316	267	277	0	298	259	0	0	0	0	0	0	0	0
1400	41	0	41	0	53	0	56	0	0	0	0	0	302	0	347	243	291	0	340	226	310	0	332	284	297	0	310	269	0	0	0	0	0	0	0	0
1500	36	0	36	0	47	0	50	0	0	0	0	0	310	0	359	200	305	0	358	193	330	0	7	279	308	0	347	276	0	0	0	0	0	0	0	0
1600	31	0	32	0	33	0	34	0	0	0	0	0	347	0	58	305	348	0	85	292	349	0	24	303	327	0	14	292	0	0	0	0	0	0	0	0
1700	29	0	25	0	34	0	34	0	0	0	0	0	16	3	73	295	12	3	75	302	7	0	42	325	349	0	25	315	0	0	0	0	0	0	0	0
1800	33	0	39	0	56	0	64	0	0	0	0	0	61	0	78	36	57	0	77	29	67	0	76	57	49	0	58	40	0	0	0	0	0	0	0	0
1900	62	0	61	0	111	0	109	0	0	0	0	0	90	0	104	73	88	0	117	72	87	0	92	81	70	0	75	63	0	0	0	0	0	0	0	0
2000	71	0	71	0	137	0	136	0	0	0	0	0	99	0	117	87	99	0	118	79	97	0	100	93	79	0	94	77	0	0	0	0	0	0	0	0
2100	63	0	70	0	146	0	145	0	0	0	0	0	99	0	112	87	100	0	135	80	99	0	106	92	83	0	90	77	0	0	0	0	0	0	0	0
2200	75	0	70	0	119	0	124	0	0	0	0	0	113	0	120	105	116	0	142	91	129	0	138	120	115	0	124	106	0	0	0	0	0	0	0	0
2300	63	0	76	0	152	0	157	0	0	0	0	0	128	0	139	120	130	0	139	118	154	0	157	152	139	0	141	137	0	0	0	0	0	0	0	0
2400	62	0	55	0	172	0	178	0	0	0	0	0	131	0	151	107	136	0	172	101	159	0	160	157	144	0	145	143	0	0	0	0	0	0	0	0

	AMB. TEM1 60 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	595	0	590	0	619	0	615	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	581	0	576	0	610	0	606	0	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	563	0	558	0	599	0	595	0	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	563	0	577	0	599	0	594	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	559	0	554	0	597	0	594	0	320	0	320	0	40	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	550	0	545	0	595	0	590	0	320	0	320	0	45	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	536	0	531	0	592	0	588	0	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	554	0	549	0	592	0	585	0	320	0	320	0	35	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	610	0	604	0	609	0	599	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	666	0	660	0	651	0	646	0	321	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	684	0	678	0	664	0	662	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	685	0	680	0	689	0	687	0	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	714	0	709	0	689	0	685	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	721	0	718	0	702	0	700	0	320	0	320	0	-13	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	739	0	734	0	709	0	705	0	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	743	0	738	0	738	1	725	0	321	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	725	0	718	0	714	0	709	0	321	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	687	0	680	0	696	0	691	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	662	0	653	0	691	0	684	0	320	0	320	0	29	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	655	0	646	0	682	0	675	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	623	0	621	0	671	0	667	0	320	0	320	0	43	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	617	0	608	0	675	0	669	0	320	0	320	0	58	0	51	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	615	0	638	0	687	0	682	0	320	0	320	0	77	0	74	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	597	0	592	0	676	0	671	0	320	0	320	0	77	0	79	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	65	0	62	0	171	0	178	0	0	0	0	0	135	1	158	115	141	0	192	106	160	0	163	159	146	0	148	144	0	0	0	0	0	2		
200	61	0	61	0	161	0	167	0	0	0	0	0	132	0	146	118	135	0	167	103	166	0	170	161	151	0	154	148	0	0	0	0	0	0		
300	63	0	67	0	169	0	159	0	0	0	0	0	130	0	150	114	133	0	154	113	163	0	169	160	149	0	151	145	0	0	0	0	0	0		
400	62	0	63	0	153	0	154	0	0	0	0	0	132	0	156	107	131	0	179	96	169	0	172	166	154	0	157	151	0	0	0	0	0	0		
500	61	0	51	0	165	0	146	0	0	0	0	0	134	0	154	109	138	0	174	107	176	0	182	170	161	0	167	155	0	0	0	0	0	0		
600	63	0	60	0	164	0	144	0	0	0	0	0	135	0	160	118	141	0	192	98	181	0	185	176	166	0	169	162	0	0	0	0	0	0		
700	62	0	66	0	154	0	123	0	0	0	0	0	162	0	189	127	160	0	196	112	197	0	216	185	182	0	197	169	0	0	0	0	0	0		
800	41	0	42	0	113	0	99	0	0	0	0	0	133	0	181	95	135	0	198	94	180	0	199	152	166	0	191	147	0	0	0	0	0	0		
900	41	0	40	0	95	0	59	0	0	0	0	0	150	0	219	93	150	0	236	90	176	0	204	154	163	0	195	137	0	0	0	0	0	0		
1000	31	0	33	0	69	0	67	0	0	0	0	0	119	0	173	4	117	0	174	38	169	0	210	118	150	0	225	119	0	0	0	0	0	0		
1100	41	0	42	0	67	0	66	0	0	0	0	0	143	0	266	98	152	0	234	100	169	0	246	109	156	0	225	93	0	0	0	0	0	0		
1200	35	0	35	0	66	0	64	0	0	0	0	0	158	0	267	93	159	0	256	91	164	0	260	97	154	0	259	101	0	0	0	0	0	0		
1300	54	0	55	0	90	0	37	0	0	0	0	0	175	0	266	96	172	0	255	97	173	0	226	112	160	0	236	94	0	0	0	0	0	0		
1400	41	0	38	0	76	0	68	0	0	0	0	0	184	0	259	94	179	0	249	96	192	0	243	120	178	0	215	117	0	0	0	0	0	0		
1500	30	0	31	0	34	0	40	0	0	0	0	0	293	3	355	185	296	0	356	146	243	0	355	91	226	0	323	128	0	0	0	0	0	0		
1600	17	0	21	0	25	0	25	0	0	0	0	0	283	3	359	186	347	3	174	270	297	3	358	183	295	0	343	180	0	0	0	0	0	0		
1700	25	0	28	0	27	0	32	0	0	0	0	0	21	3	50	327	14	3	53	313	33	3	87	4	14	0	54	332	0	0	0	0	0	0		
1800	30	0	33	0	26	0	36	0	0	0	0	0	49	3	80	30	45	0	82	25	70	3	112	51	53	0	112	21	0	0	0	0	0	0		
1900	41	0	47	0	52	0	54	0	0	0	0	0	71	0	81	57	68	0	92	49	92	0	102	82	76	0	86	65	0	0	0	0	0	0		
2000	57	0	54	0	104	0	103	0	0	0	0	0	114	0	124	101	115	0	135	94	140	0	143	136	126	0	130	121	0	0	0	0	0	0		
2100	54	0	56	0	157	0	143	0	0	0	0	0	133	0	159	112	134	0	159	102	155	0	159	154	141	0	143	140	0	0	0	0	0	0		
2200	59	0	63	0	153	0	159	0	0	0	0	0	133	0	160	120	137	0	164	108	152	0	155	149	138	0	140	134	0	0	0	0	0	0		
2300	63	0	66	0	132	0	137	0	0	0	0	0	119	0	126	115	123	0	140	105	143	0	147	135	129	0	133	121	0	0	0	0	0	0		
2400	74	0	70	0	164	0	169	0	0	0	0	0	123	0	128	116	128	0	140	120	143	0	146	141	129	0	130	127	0	0	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	606	0	599	0	660	0	657	0	320	0	320	0	54	0	56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	595	0	588	0	654	0	653	0	320	0	320	0	61	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	585	0	576	0	642	0	637	0	320	0	320	0	59	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	564	0	551	0	631	0	626	0	320	0	320	0	63	0	65	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	556	0	549	0	622	0	617	0	320	0	320	0	67	0	70	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	551	0	543	0	615	0	612	0	320	0	320	0	65	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	557	0	554	0	619	0	615	0	320	0	320	0	61	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	583	0	533	0	593	0	592	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	642	0	637	0	619	0	615	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	719	0	711	0	693	0	676	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	745	0	739	0	705	0	702	0	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	765	0	761	0	732	0	729	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	777	0	774	0	747	0	741	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	795	0	792	0	754	0	750	0	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	793	0	786	0	761	0	757	0	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	781	0	775	0	765	0	763	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	766	0	759	0	756	0	750	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	711	0	733	0	732	0	732	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	666	0	660	0	725	0	720	0	320	0	320	0	59	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	675	0	666	0	723	0	716	0	320	0	320	0	42	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	655	0	648	0	727	0	721	0	320	0	320	0	74	0	76	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	642	0	640	0	714	0	709	0	320	0	320	0	67	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	635	0	626	0	694	0	689	0	320	0	320	0	61	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	613	0	608	0	693	0	687	0	320	0	320	0	77	0	81	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 30 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	83	0	86	0	163	0	150	0	0	0	0	0	126	0	133	119	129	0	147	108	141	0	147	136	127	0	133	121	0	0	0	0	0	0
200	75	0	34	0	163	0	158	0	0	0	0	0	129	0	147	114	133	0	154	111	149	0	152	146	135	0	139	135	0	0	0	0	0	0
300	79	0	77	0	143	0	148	0	0	0	0	0	122	0	129	113	125	0	141	109	150	0	154	147	135	0	140	133	0	0	0	0	0	0
400	70	0	79	0	159	0	159	0	0	0	0	0	124	0	138	115	129	0	148	109	152	0	155	148	138	0	144	133	0	0	0	0	0	0
500	65	0	73	0	145	0	150	0	0	0	0	0	125	0	142	111	129	0	162	105	152	0	159	142	137	0	140	134	0	0	0	0	0	0
600	62	0	64	0	155	0	154	0	0	0	0	0	130	0	149	109	134	0	204	91	155	0	160	155	144	0	144	141	0	0	0	0	0	0
700	62	0	66	0	150	0	156	0	0	0	0	0	127	0	173	96	131	0	167	107	159	0	161	156	144	0	146	141	0	0	0	0	0	0
800	60	0	64	0	124	0	130	0	0	0	0	0	124	0	153	95	127	0	165	80	158	0	177	138	143	0	156	120	0	0	0	0	0	0
900	65	0	69	0	104	0	108	0	0	0	0	0	121	0	157	85	122	0	150	80	149	0	164	127	137	0	153	122	0	0	0	0	0	0
1000	51	0	53	0	89	0	97	0	0	0	0	0	126	0	170	82	126	0	179	64	152	0	170	126	139	0	166	120	0	0	0	0	0	0
1100	23	0	31	0	19	0	22	0	0	0	0	0	283	0	320	252	277	0	329	239	193	0	267	103	181	0	254	122	0	0	0	0	0	0
1200	34	0	35	0	33	0	35	0	0	0	0	0	285	0	315	245	291	0	331	239	234	0	289	199	217	0	272	187	0	0	0	0	0	0
1300	38	0	40	0	66	0	70	0	0	0	0	0	326	0	51	273	311	0	356	238	343	0	11	280	324	0	349	275	0	0	0	0	0	0
1400	59	0	58	0	85	0	87	0	0	0	0	0	341	0	13	297	338	0	17	280	348	0	16	321	326	0	350	301	0	0	0	0	0	0
1500	46	0	46	0	65	0	67	0	0	0	0	0	350	0	78	278	345	0	115	270	5	0	87	325	342	0	55	297	0	0	0	0	0	0
1600	47	0	47	0	75	0	75	0	0	0	0	0	17	0	85	309	16	0	120	274	14	0	53	334	354	0	54	293	0	0	0	0	0	0
1700	53	0	49	0	86	0	84	0	0	0	0	0	37	0	78	1	35	0	94	0	38	0	60	24	18	0	46	1	0	0	0	0	0	0
1800	57	0	64	0	93	0	102	0	0	0	0	0	53	0	73	31	50	0	73	30	56	0	69	44	39	0	50	22	0	0	0	0	0	0
1900	62	0	75	0	126	0	132	0	0	0	0	0	69	0	74	54	61	0	75	39	59	0	69	54	43	0	49	38	0	0	0	0	0	0
2000	82	0	0	2	121	0	0	2	0	2	0	2	75	0	84	81	0	2	0	0	73	0	82	84	0	2	0	0	0	2	0	0	0	2
2100	82	0	0	2	155	0	0	2	0	2	0	2	87	0	81	95	0	2	0	0	80	0	75	87	0	2	0	0	0	2	0	0	0	2
2200	96	0	0	2	180	0	0	2	0	2	0	2	93	0	84	101	0	2	0	0	83	0	78	89	0	2	0	0	0	2	0	0	0	2
2300	96	0	0	2	165	0	0	2	0	2	0	2	101	0	96	108	0	2	0	0	93	0	90	99	0	2	0	0	0	2	0	0	0	2
2400	94	0	0	2	165	0	0	2	0	2	0	2	109	0	101	114	0	2	0	0	135	0	123	144	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	603	0	601	0	639	0	635	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	597	0	590	0	631	0	626	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	577	0	572	0	612	0	606	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	567	0	559	0	605	0	601	0	320	0	320	0	40	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	561	0	554	0	592	0	586	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	556	0	549	0	585	0	581	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	554	0	547	0	586	0	581	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	581	0	576	0	579	0	576	0	320	0	320	0	2	0	6	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	622	0	619	0	606	0	603	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	691	0	687	0	662	0	653	0	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	715	0	714	0	736	0	730	0	320	0	320	0	20	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	689	0	685	0	735	0	732	0	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	725	0	721	0	689	0	694	0	320	0	320	0	-35	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	736	0	730	0	716	0	712	0	320	0	320	0	-23	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	750	0	745	0	727	0	721	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	736	0	732	0	715	0	711	0	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	716	0	712	0	711	0	703	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	695	0	685	0	702	0	696	0	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	647	0	644	0	691	0	684	0	320	0	320	0	41	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	632	0	0	2	0	2	0	2	0	2	0	2	44	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	632	0	0	2	0	2	0	2	0	2	0	2	59	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	632	0	0	2	0	2	0	2	0	2	0	2	65	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	624	0	0	2	0	2	0	2	0	2	0	2	74	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	611	0	0	2	0	2	0	2	0	2	0	2	82	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1	S	WIND SPD2	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	94	0	0	2	159	0	0	2	0	2	0	2	129	0	123	140	0	2	0	0	149	0	145	153	0	2	0	0	0	2	0	0	0	2
200	83	0	0	2	173	0	0	2	0	2	0	2	132	0	114	147	0	2	0	0	153	0	149	161	0	2	0	0	0	2	0	0	0	2
300	85	0	0	2	161	0	0	2	0	2	0	2	131	0	117	141	0	2	0	0	154	0	149	159	0	2	0	0	0	2	0	0	0	2
400	83	0	0	2	159	0	0	2	0	2	0	2	134	0	118	145	0	2	0	0	155	0	151	161	0	2	0	0	0	2	0	0	0	2
500	92	0	0	2	180	0	0	2	0	2	0	2	129	0	113	143	0	2	0	0	158	0	154	162	0	2	0	0	0	2	0	0	0	2
600	96	0	0	2	183	0	0	2	0	2	0	2	132	0	120	142	0	2	0	0	153	0	150	159	0	2	0	0	0	2	0	0	0	2
700	96	0	0	2	184	0	0	2	0	2	0	2	131	0	123	137	0	2	0	0	156	0	154	162	0	2	0	0	0	2	0	0	0	2
800	81	0	0	2	177	0	0	2	0	2	0	2	127	0	113	137	0	2	0	0	155	0	146	161	0	2	0	0	0	2	0	0	0	2
900	95	0	0	2	145	0	0	2	0	2	0	2	122	0	109	137	0	2	0	0	160	0	146	171	0	2	0	0	0	2	0	0	0	2
1000	77	0	0	2	111	0	0	2	0	2	0	2	117	0	97	136	0	2	0	0	150	0	134	164	0	2	0	0	0	2	0	0	0	2
1100	46	0	0	2	59	0	0	2	0	2	0	2	262	0	213	297	0	2	0	0	151	0	124	177	0	2	0	0	0	2	0	0	0	2
1200	80	0	0	2	105	0	0	2	0	2	0	2	314	0	291	339	0	2	0	0	359	0	322	35	0	2	0	0	0	2	0	0	0	2
1300	67	0	0	2	75	0	0	2	0	2	0	2	333	0	292	1	0	2	0	0	358	0	321	38	0	2	0	0	0	2	0	0	1	2
1400	67	0	0	2	80	0	0	2	0	2	0	2	327	0	299	350	0	2	0	0	356	0	311	43	0	2	0	0	0	2	0	0	0	2
1500	73	0	0	2	95	0	0	2	0	2	0	2	1	0	339	35	0	2	0	0	7	0	336	36	0	2	0	0	0	2	0	0	0	2
1600	93	0	0	2	119	0	0	2	0	2	0	2	20	0	359	44	0	2	0	0	24	0	7	36	0	2	0	0	0	2	0	0	0	2
1700	98	0	0	2	125	0	0	2	0	2	0	2	19	0	3	36	0	2	0	0	24	0	7	42	0	2	0	0	0	2	0	0	0	2
1800	75	0	0	2	127	0	0	2	0	2	0	2	37	0	21	52	0	2	0	0	45	0	36	56	0	2	0	0	0	2	0	0	0	2
1900	86	0	0	2	145	0	0	2	0	2	0	2	52	0	37	66	0	2	0	0	46	0	35	56	0	2	0	0	0	2	0	0	0	2
2000	96	0	0	2	150	0	0	2	0	2	0	2	48	0	33	61	0	2	0	0	48	0	38	59	0	2	0	0	0	2	0	0	0	2
2100	89	0	0	2	155	0	0	2	0	2	0	2	73	0	68	79	0	2	0	0	72	0	64	80	0	2	0	0	0	2	0	0	0	2
2200	92	0	0	2	182	0	0	2	0	2	0	2	101	0	89	107	0	2	0	0	96	0	88	100	0	2	0	0	0	2	0	0	0	2
2300	93	0	0	2	177	0	0	2	0	2	0	2	105	0	99	110	0	2	0	0	109	0	102	116	0	2	0	0	0	2	0	0	0	2
2400	93	0	0	2	167	0	0	2	0	2	0	2	113	0	105	118	0	2	0	0	119	0	115	126	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1	S	AMB. TEM2	S	AMB. TEM3	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	605	0	0	2	0	2	0	2	0	2	0	2	37	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	583	0	0	2	0	2	0	2	0	2	0	2	33	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	571	0	0	2	0	2	0	2	0	2	0	2	30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	571	0	0	2	0	2	0	2	0	2	0	2	43	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	550	0	0	2	0	2	0	2	0	2	0	2	50	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	523	0	0	2	0	2	0	2	0	2	0	2	71	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	523	0	0	2	0	2	0	2	0	2	0	2	59	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	560	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	611	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	673	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	701	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	683	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	703	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	717	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	707	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	676	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	666	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	565	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	649	0	0	2	0	2	0	2	0	2	0	2	25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	632	0	0	2	0	2	0	2	0	2	0	2	25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	591	0	0	2	0	2	0	2	0	2	0	2	23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	601	0	0	2	0	2	0	2	0	2	0	2	73	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	601	0	0	2	0	2	0	2	0	2	0	2	79	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	591	0	0	2	0	2	0	2	0	2	0	2	51	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD5 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	93	0	0	2	159	0	0	2	0	2	0	2	122	0	116	128	0	2	0	0	137	0	132	143	0	2	0	0	0	2	0	0	0	2		
200	88	0	0	2	186	0	0	2	0	2	0	2	124	0	120	135	0	2	0	0	149	0	144	155	0	2	0	0	0	2	0	0	0	2		
300	80	0	0	2	167	0	0	2	0	2	0	2	125	0	115	134	0	2	0	0	153	0	152	163	0	2	0	0	0	2	0	0	0	2		
400	57	0	0	2	134	0	0	2	0	2	0	2	146	0	129	167	0	2	0	0	180	0	176	188	0	2	0	0	0	2	0	0	0	2		
500	59	0	0	2	96	0	0	2	0	2	0	2	182	0	173	200	0	2	0	0	217	0	210	228	0	2	0	0	0	2	0	0	0	2		
600	59	0	0	2	115	0	0	2	0	2	0	2	178	0	163	197	0	2	0	0	192	0	189	199	0	2	0	0	0	2	0	0	0	2		
700	57	0	0	2	72	0	0	2	0	2	0	2	237	0	227	245	0	2	0	0	245	0	235	252	0	2	0	0	0	2	0	0	0	2		
800	65	0	0	2	57	0	0	2	0	2	0	2	127	0	115	138	0	2	0	0	242	0	221	259	0	2	0	0	0	2	0	0	0	2		
900	40	0	0	2	50	0	0	2	0	2	0	2	178	0	152	207	0	2	0	0	234	0	219	249	0	2	0	0	0	2	0	0	0	2		
1000	65	0	0	2	71	0	0	2	0	2	0	2	253	0	232	274	0	2	0	0	271	0	254	283	0	2	0	0	0	2	0	0	0	2		
1100	57	0	0	2	71	0	0	2	0	2	0	2	272	0	254	287	0	2	0	0	275	0	253	294	0	2	0	0	0	2	0	0	0	2		
1200	65	0	0	2	80	0	0	2	0	2	0	2	307	0	293	324	0	2	0	0	293	0	272	317	0	2	0	0	0	2	0	0	0	2		
1300	65	0	0	2	63	0	0	2	0	2	0	2	305	0	284	325	0	2	0	0	299	0	284	317	0	2	0	0	0	2	0	0	0	2		
1400	55	0	0	2	59	0	0	2	0	2	0	2	284	0	246	318	0	2	0	0	298	0	275	315	0	2	0	0	0	2	0	0	0	2		
1500	55	0	0	2	63	0	0	2	0	2	0	2	289	0	249	343	0	2	0	0	296	0	268	325	0	2	0	0	0	2	0	0	0	2		
1600	55	0	0	2	63	0	0	2	0	2	0	2	294	0	269	313	0	2	0	0	317	0	302	331	0	2	0	0	0	2	0	0	0	2		
1700	45	0	0	2	61	0	0	2	0	2	0	2	309	0	273	343	0	2	0	0	357	0	322	36	0	2	0	0	0	2	0	0	0	2		
1800	46	0	0	2	65	0	0	2	0	2	0	2	59	0	44	71	0	2	0	0	69	0	59	73	0	2	0	0	0	2	0	0	0	2		
1900	71	0	0	2	90	0	0	2	0	2	0	2	116	0	110	120	0	2	0	0	126	0	119	131	0	2	0	0	0	2	0	0	0	2		
2000	75	0	0	2	102	0	0	2	0	2	0	2	122	0	115	131	0	2	0	0	136	0	133	143	0	2	0	0	0	2	0	0	0	2		
2100	75	0	0	2	130	0	0	2	0	2	0	2	131	0	119	142	0	2	0	0	158	0	152	164	0	2	0	0	0	2	0	0	0	2		
2200	82	0	0	2	165	0	0	2	0	2	0	2	132	0	125	140	0	2	0	0	149	0	145	153	0	2	0	0	0	2	0	0	0	2		
2300	84	0	0	2	182	0	0	2	0	2	0	2	134	0	119	150	0	2	0	0	158	0	152	163	0	2	0	0	0	2	0	0	0	2		
2400	94	0	0	2	198	0	0	2	0	2	0	2	142	0	117	163	0	2	0	0	178	0	165	188	0	2	0	0	0	2	0	0	0	2		

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	O.T. 1 150A	S	O.T. 2 150B	S	O.T. 3	S	O.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	591	0	0	2	0	2	0	2	0	2	0	2	42	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	563	0	0	2	0	2	0	2	0	2	0	2	66	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	554	0	0	2	0	2	0	2	0	2	0	2	79	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	537	0	0	2	0	2	0	2	0	2	0	2	77	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	547	0	0	2	0	2	0	2	0	2	0	2	57	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	530	0	0	2	0	2	0	2	0	2	0	2	80	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	533	0	0	2	0	2	0	2	0	2	0	2	53	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	533	0	0	2	0	2	0	2	0	2	0	2	62	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	594	0	0	2	0	2	0	2	0	2	0	2	25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	637	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	662	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	669	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	700	0	0	2	0	2	0	2	0	2	0	2	-33	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	703	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	730	0	0	2	0	2	0	2	0	2	0	2	-31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	720	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	724	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	645	0	0	2	0	2	0	2	0	2	0	2	25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	645	0	0	2	0	2	0	2	0	2	0	2	26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	632	0	0	2	0	2	0	2	0	2	0	2	46	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	622	0	0	2	0	2	0	2	0	2	0	2	71	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	583	0	0	2	0	2	0	2	0	2	0	2	80	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	581	0	0	2	0	2	0	2	0	2	0	2	64	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	577	0	0	2	0	2	0	2	0	2	0	2	25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	96	0	0	2	194	0	0	2	0	2	0	2	156	1	131	190	0	2	0	0	183	0	171	201	0	2	0	0	0	2	0	0	2
200	85	0	0	2	173	0	0	2	0	2	0	2	159	1	126	188	0	2	0	0	186	0	173	206	0	2	0	0	0	2	0	0	2
300	82	0	0	2	162	1	0	2	0	2	0	2	175	1	143	206	0	2	0	0	198	0	182	213	0	2	0	0	0	2	0	0	2
400	65	0	0	2	154	0	0	2	0	2	0	2	161	0	147	189	0	2	0	0	198	0	186	219	0	2	0	0	0	2	0	0	2
500	75	1	0	2	165	0	0	2	0	2	0	2	176	1	152	200	0	2	0	0	200	0	187	210	0	2	0	0	0	2	0	0	2
600	75	0	0	2	184	0	0	2	0	2	0	2	187	1	163	212	0	2	0	0	207	0	194	217	0	2	0	0	0	2	0	0	2
700	75	0	0	2	162	1	0	2	0	2	0	2	183	1	151	215	0	2	0	0	213	0	206	233	0	2	0	0	0	2	0	0	2
800	67	0	0	2	135	0	0	2	0	2	0	2	192	0	162	218	0	2	0	0	207	0	189	231	0	2	0	0	0	2	0	0	2
900	67	1	0	2	115	1	0	2	0	2	0	2	199	1	154	212	0	2	0	0	200	0	183	217	0	2	0	0	0	2	0	0	2
1000	63	0	0	2	134	0	0	2	0	2	0	2	201	0	169	232	0	2	0	0	221	0	204	240	0	2	0	0	0	2	0	0	2
1100	80	0	0	2	96	0	0	2	0	2	0	2	232	1	209	253	0	2	0	0	219	0	183	246	0	2	0	0	0	2	0	0	2
1200	94	0	0	2	125	0	0	2	0	2	0	2	237	0	207	269	0	2	0	0	237	0	209	273	0	2	0	0	0	2	0	0	2
1300	90	0	0	2	143	0	0	2	0	2	0	2	241	0	212	263	0	2	0	0	245	0	214	272	0	2	0	0	0	2	0	0	2
1400	102	0	0	2	119	0	0	2	0	2	0	2	237	0	215	264	0	2	0	0	245	0	219	271	0	2	0	0	0	2	0	0	2
1500	95	0	0	2	132	0	0	2	0	2	0	2	243	0	221	261	0	2	0	0	242	0	219	269	0	2	0	0	0	2	0	0	2
1600	83	0	0	2	139	0	0	2	0	2	0	2	242	0	221	262	0	2	0	0	241	0	216	266	0	2	0	0	0	2	0	0	2
1700	84	0	0	2	123	0	0	2	0	2	0	2	239	1	209	258	0	2	0	0	246	0	230	266	0	2	0	0	0	2	0	0	2
1800	75	0	0	2	140	0	0	2	0	2	0	2	209	0	191	232	0	2	0	0	233	0	222	243	0	2	0	0	0	2	0	0	2
1900	75	0	0	2	157	0	0	2	0	2	0	2	209	1	181	227	0	2	0	0	223	0	209	233	0	2	0	0	0	2	0	0	2
2000	71	0	0	2	165	0	0	2	0	2	0	2	190	0	161	218	0	2	0	0	207	0	200	221	0	2	0	0	0	2	0	0	2
2100	69	0	0	2	163	0	0	2	0	2	0	2	194	1	164	224	0	2	0	0	203	0	187	212	0	2	0	0	0	2	0	0	2
2200	69	0	0	2	182	0	0	2	0	2	0	2	195	1	173	221	0	2	0	0	203	0	189	218	0	2	0	0	0	2	0	0	2
2300	80	0	0	2	192	0	0	2	0	2	0	2	200	1	167	231	0	2	0	0	210	0	197	226	0	2	0	0	0	2	0	0	2
2400	103	0	0	2	184	0	0	2	0	2	0	2	215	0	186	243	0	2	0	0	216	0	195	237	0	2	0	0	0	2	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	574	0	0	2	0	2	0	2	0	2	0	2	26	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	567	0	0	2	0	2	0	2	0	2	0	2	31	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	571	0	0	2	0	2	0	2	0	2	0	2	37	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	560	0	0	2	0	2	0	2	0	2	0	2	38	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	550	0	0	2	0	2	0	2	0	2	0	2	31	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	543	0	0	2	0	2	0	2	0	2	0	2	35	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	543	0	0	2	0	2	0	2	0	2	0	2	44	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	560	1	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	601	0	0	2	0	2	0	2	0	2	0	2	-2	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	676	0	0	2	0	2	0	2	0	2	0	2	-25	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	720	0	0	2	0	2	0	2	0	2	0	2	-20	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	747	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	778	0	0	2	0	2	0	2	0	2	0	2	-34	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	773	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	785	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	792	0	0	2	0	2	0	2	0	2	0	2	-11	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	805	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	783	0	0	2	0	2	0	2	0	2	0	2	14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	724	0	0	2	0	2	0	2	0	2	0	2	37	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	711	1	0	2	1	2	0	2	0	2	0	2	29	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	695	0	0	2	0	2	0	2	0	2	0	2	18	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	693	0	0	2	0	2	0	2	0	2	0	2	14	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	683	0	0	2	0	2	0	2	0	2	0	2	14	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	693	0	0	2	0	2	0	2	0	2	0	2	7	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1	WIND DIR1 MIN 50 A S	WIND DIR1 MAX 50 A S	WIND DIR2	WIND DIR2 MIN 150A S	WIND DIR2 MAX 150A S	WIND DIR3	WIND DIR3 MIN 150B S	WIND DIR3 MAX 150B S	WIND DIR4	WIND DIR4 MIN S	WIND DIR4 MAX S	WIND DIR5	WIND DIR5 MIN S	WIND DIR5 MAX S	WIND DIR6
100	123 0	0 2	194 0	0 2	0 2	0 2	230 0	195	254	0 2	0	0	223 0	204	243	0 2	0	0	0 2	0	0	0 2
200	135 0	0 2	194 0	0 2	0 2	0 2	225 0	203	260	0 2	0	0	224 0	197	246	0 2	0	0	0 2	0	0	0 2
300	131 0	0 2	212 0	0 2	0 2	0 2	232 0	210	257	0 2	0	0	231 0	210	251	0 2	0	0	0 2	0	0	0 2
400	133 0	0 2	194 0	0 2	0 2	0 2	233 0	200	266	0 2	0	0	231 0	201	260	0 2	0	0	0 2	0	0	0 2
500	132 0	0 2	194 0	0 2	0 2	0 2	221 0	193	251	0 2	0	0	230 0	206	252	0 2	0	0	0 2	0	0	0 2
600	121 0	0 2	189 0	0 2	0 2	0 2	224 0	199	252	0 2	0	0	227 0	209	253	0 2	0	0	0 2	0	0	0 2
700	95 0	0 2	171 0	0 2	0 2	0 2	207 0	177	241	0 2	0	0	215 0	190	235	0 2	0	0	0 2	0	0	0 2
800	88 0	0 2	167 0	0 2	0 2	0 2	207 0	164	243	0 2	0	0	212 0	190	235	0 2	0	0	0 2	0	0	0 2
900	102 0	0 2	171 0	0 2	0 2	0 2	222 0	190	264	0 2	0	0	215 0	191	237	0 2	0	0	0 2	0	0	0 2
1000	127 0	0 2	200 0	0 2	0 2	0 2	230 0	209	246	0 2	0	0	231 0	203	257	0 2	0	0	0 2	0	0	0 2
1100	95 0	0 2	149 0	0 2	0 2	0 2	219 0	198	244	0 2	0	0	219 0	192	248	0 2	0	0	0 2	0	0	0 2
1200	105 0	0 2	146 0	0 2	0 2	0 2	227 0	204	254	0 2	0	0	223 0	195	248	0 2	0	0	0 2	0	0	0 2
1300	127 0	0 2	173 0	0 2	0 2	0 2	237 0	212	261	0 2	0	0	237 0	213	262	0 2	0	0	0 2	0	0	0 2
1400	115 0	0 2	173 0	0 2	0 2	0 2	235 0	214	257	0 2	0	0	237 0	210	264	0 2	0	0	0 2	0	0	0 2
1500	102 0	0 2	142 0	0 2	0 2	0 2	228 0	209	252	0 2	0	0	235 0	212	253	0 2	0	0	0 2	0	0	0 2
1600	102 0	0 2	152 0	0 2	0 2	0 2	240 0	218	263	0 2	0	0	251 0	228	268	0 2	0	0	0 2	0	0	0 2
1700	92 0	0 2	127 0	0 2	0 2	0 2	253 0	233	268	0 2	0	0	266 0	245	282	0 2	0	0	0 2	0	0	0 2
1800	111 0	0 2	150 0	0 2	0 2	0 2	263 0	245	281	0 2	0	0	288 0	273	302	0 2	0	0	0 2	0	0	0 2
1900	111 0	0 2	182 0	0 2	0 2	0 2	264 0	244	280	0 2	0	0	290 0	269	307	0 2	0	0	0 2	0	0	0 2
2000	130 0	0 2	180 0	0 2	0 2	0 2	245 0	226	262	0 2	0	0	270 0	257	280	0 2	0	0	0 2	0	0	0 2
2100	130 0	0 2	213 0	0 2	0 2	0 2	245 0	233	261	0 2	0	0	265 0	254	278	0 2	0	0	0 2	0	0	0 2
2200	89 0	0 2	146 0	0 2	0 2	0 2	219 0	199	240	0 2	0	0	248 0	225	264	0 2	0	0	0 2	0	0	0 2
2300	71 0	0 2	157 0	0 2	0 2	0 2	213 0	197	232	0 2	0	0	239 0	226	248	0 2	0	0	0 2	0	0	0 2
2400	67 0	0 2	115 0	0 2	0 2	0 2	215 0	189	242	0 2	0	0	227 0	207	255	0 2	0	0	0 2	0	0	0 2

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	713 0	0 2	0 2	0 2	0 2	0 2	1 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
200	703 0	0 2	0 2	0 2	0 2	0 2	1 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
300	696 0	0 2	0 2	0 2	0 2	0 2	-3 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
400	693 0	0 2	0 2	0 2	0 2	0 2	-3 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
500	693 0	0 2	0 2	0 2	0 2	0 2	-3 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
600	662 0	0 2	0 2	0 2	0 2	0 2	-3 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
700	655 0	0 2	0 2	0 2	0 2	0 2	-9 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
800	656 0	0 2	0 2	0 2	0 2	0 2	-6 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
900	669 0	0 2	0 2	0 2	0 2	0 2	-12 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1000	693 0	0 2	0 2	0 2	0 2	0 2	-15 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1100	734 0	0 2	0 2	0 2	0 2	0 2	-21 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1200	754 0	0 2	0 2	0 2	0 2	0 2	-23 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1300	751 0	0 2	0 2	0 2	0 2	0 2	-19 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1400	751 0	0 2	0 2	0 2	0 2	0 2	-10 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1500	781 0	0 2	0 2	0 2	0 2	0 2	-23 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1600	737 0	0 2	0 2	0 2	0 2	0 2	-10 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1700	695 0	0 2	0 2	0 2	0 2	0 2	-2 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1800	707 0	0 2	0 2	0 2	0 2	0 2	-2 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1900	703 0	0 2	0 2	0 2	0 2	0 2	6 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2000	703 0	0 2	0 2	0 2	0 2	0 2	14 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2100	710 0	0 2	0 2	0 2	0 2	0 2	17 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0	0 2	0 2
2200	713 0	0 2	0 2	0 2	0 2	0 2	6 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2300	679 0	0 2	0 2	0 2	0 2	0 2	23 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2400	679 0	0 2	0 2	0 2	0 2	0 2	23 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1	WIND DIR1 MIN 50 A S	WIND DIR1 MAX 50 A S	WIND DIR2	WIND DIR3	WIND DIR3 MIN 150A S	WIND DIR3 MAX 150A S	WIND DIR4	WIND DIR5	WIND DIR5 MIN S	WIND DIR5 MAX S	WIND DIR6
100	82 0	0 2	117 0	0 2	0 2	0 2	246 1	231	266	0 2	0 0	353 0	237 269	0 2	0 0	0 2	0 0	0 2
200	55 0	0 2	84 0	0 2	0 2	0 2	339 1	307	9	0 2	0 0	326 0	311 341	0 2	0 0	0 2	0 0	0 2
300	67 0	0 2	125 0	0 2	0 2	0 2	25 1	0	53	0 2	0 0	33 0	3 53	0 2	0 0	0 2	0 0	0 2
400	73 0	0 2	108 0	0 2	0 2	0 2	93 1	70	109	0 2	0 0	82 0	62 96	0 2	0 0	0 2	0 0	0 2
500	53 0	0 2	84 1	0 2	0 2	0 2	132 1	120	144	0 2	0 0	136 0	125 150	0 2	0 0	0 2	0 0	0 2
600	69 0	0 2	146 0	0 2	0 2	0 2	329 1	298	356	0 2	0 0	348 0	335 2	0 2	0 0	0 2	0 0	0 2
700	112 0	0 2	146 0	0 2	0 2	0 2	340 1	322	358	0 2	0 0	350 0	334 6	0 2	0 0	0 2	0 0	0 2
800	90 0	0 2	105 0	0 2	0 2	0 2	1 1	323	34	0 2	0 0	8 0	344 33	0 2	0 0	0 2	0 0	0 2
900	115 0	0 2	143 0	0 2	0 2	0 2	349 1	321	12	0 2	0 0	345 0	326 7	0 2	0 0	0 2	0 0	0 2
1000	100 0	0 2	117 0	0 2	0 2	0 2	335 1	313	2	0 2	0 0	351 0	333 5	0 2	0 0	0 2	0 0	0 2
1100	98 0	0 2	117 0	0 2	0 2	0 2	322 1	294	353	0 2	0 0	338 0	313 356	0 2	0 0	0 2	0 0	0 2
1200	102 0	0 2	134 0	0 2	0 2	0 2	323 0	293	353	0 2	0 0	327 0	312 344	0 2	0 0	0 2	0 0	0 2
1300	121 0	0 2	162 0	0 2	0 2	0 2	316 1	297	339	0 2	0 0	331 0	313 349	0 2	0 0	0 2	0 0	0 2
1400	75 0	0 2	109 0	0 2	0 2	0 2	303 1	288	334	0 2	0 0	327 0	314 339	0 2	0 0	0 2	0 0	0 2
1500	83 0	0 2	102 0	0 2	1 2	0 2	303 1	281	332	0 2	0 0	304 0	290 318	0 2	0 0	0 2	0 0	0 2
1600	77 0	0 2	107 0	0 2	0 2	0 2	303 1	281	333	0 2	0 0	313 0	294 349	0 2	0 0	0 2	0 0	0 2
1700	67 0	0 2	89 0	0 2	0 2	0 2	322 1	291	352	0 2	0 0	333 0	319 353	0 2	0 0	0 2	0 0	0 2
1800	71 0	0 2	92 0	0 2	0 2	0 2	331 1	305	3	0 2	0 0	11 0	352 32	0 2	0 0	0 2	0 0	0 2
1900	51 0	0 2	75 0	0 2	0 2	0 2	41 1	26	60	0 2	0 0	43 0	29 59	0 2	0 0	0 2	0 0	0 2
2000	44 0	0 2	62 0	0 2	0 2	0 2	89 1	57	113	0 2	0 0	89 0	69 109	0 2	0 0	0 2	0 0	0 2
2100	42 0	0 2	62 0	0 2	0 2	0 2	123 1	97	162	0 2	0 0	69 0	50 83	0 2	0 0	0 2	0 0	0 2
2200	57 0	0 2	77 0	0 2	0 2	0 2	81 0	53	113	0 2	0 0	45 0	33 56	0 2	0 0	0 2	0 0	0 2
2300	65 0	0 2	59 0	0 2	0 2	0 2	117 0	90	140	0 2	0 0	66 0	51 87	0 2	0 0	0 2	0 0	0 2
2400	63 0	0 2	61 0	0 2	0 2	0 2	135 1	107	155	0 2	0 0	101 0	81 115	0 2	0 0	0 2	0 0	0 2

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEM6 S	D.T. 1 1304 S	D.T. 2 1808 S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	693 0	0 2	0 2	0 2	0 2	0 2	-3 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
200	639 0	0 2	0 2	0 2	0 2	0 2	7 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
300	622 0	0 2	0 2	0 2	0 2	0 2	-8 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
400	603 0	0 2	0 2	0 2	0 2	0 2	-8 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
500	603 0	0 2	0 2	0 2	0 2	0 2	-4 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
600	603 1	0 2	0 2	0 2	0 2	0 2	-3 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
700	603 0	0 2	0 2	0 2	0 2	0 2	-14 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
800	603 0	0 2	0 2	0 2	0 2	0 2	-12 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
900	603 0	0 2	0 2	0 2	0 2	0 2	-13 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1000	591 0	0 2	0 2	0 2	0 2	0 2	-13 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1100	591 0	0 2	0 2	0 2	0 2	0 2	-13 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1200	591 0	0 2	0 2	0 2	0 2	0 2	-13 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1300	588 0	0 2	0 2	0 2	0 2	0 2	-14 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1400	605 0	0 2	0 2	0 2	0 2	0 2	-26 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1500	574 0	0 2	0 2	0 2	0 2	0 2	-17 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1600	577 0	0 2	0 2	0 2	0 2	0 2	-15 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1700	577 0	0 2	0 2	0 2	0 2	0 2	-13 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1800	577 0	0 2	0 2	0 2	0 2	0 2	-13 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1900	567 0	0 2	0 2	0 2	0 2	0 2	-8 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2000	543 0	0 2	0 2	0 2	0 2	0 2	-1 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2100	554 0	0 2	0 2	0 2	0 2	0 2	2 1	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2200	550 0	0 2	0 2	0 2	0 2	0 2	5 1	0 2	0 2	0 2	0 2	0 2	0	0 2	0 2	0 2	0 2	0 2
2300	550 0	0 2	0 2	0 2	0 2	0 2	11 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2400	593 0	0 2	0 2	0 2	0 2	0 2	22 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND DIR1 MIN MAX 50 A S	WIND DIR2	WIND DIR2 MIN MAX 150A S	WIND DIR3	WIND DIR3 MIN MAX 150B S	WIND DIR4	WIND DIR4 MIN MAX S	WIND DIR5	WIND DIR5 MIN MAX S	WIND DIR6
100	57 0	0 2	57 0	0 2	0 2	0 2	123 0	115 131	0 2	0 0	117 0	108 125	0 2	0 0	0 2	0 0	0 2
200	63 0	0 2	77 0	0 2	0 2	0 2	90 0	69 119	0 2	0 0	74 0	51 97	0 2	0 0	0 2	0 0	0 2
300	73 0	0 2	92 0	0 2	0 2	0 2	20 0	9 35	0 2	0 0	18 0	359 37	0 2	0 0	0 2	0 0	0 2
400	65 0	0 2	107 0	0 2	0 2	0 2	3 0	334 30	0 2	0 0	9 0	349 30	0 2	0 0	0 2	0 0	0 2
500	113 0	0 2	140 0	0 2	0 2	0 2	343 0	329 5	0 2	0 0	3 0	338 21	0 2	0 0	0 2	0 0	0 2
600	136 0	0 2	207 0	0 2	0 2	0 2	332 0	296 12	0 2	0 0	347 0	327 6	0 2	0 0	0 2	0 0	0 2
700	133 0	0 2	207 0	0 2	0 2	0 2	323 0	297 351	0 2	0 0	341 0	320 0	0 2	0 0	0 2	0 0	0 2
800	132 0	0 2	190 0	0 2	0 2	0 2	326 0	294 1	0 2	0 0	341 0	313 6	0 2	0 0	0 2	0 0	0 2
900	132 0	0 2	169 0	0 2	0 2	0 2	322 0	289 356	0 2	0 0	342 0	322 2	0 2	0 0	0 2	0 0	0 2
1000	117 0	0 2	171 0	0 2	0 2	0 2	323 0	291 351	0 2	0 0	335 0	313 359	0 2	0 0	0 2	0 0	0 2
1100	117 0	0 2	173 0	0 2	0 2	0 2	331 0	299 0	0 2	0 0	334 0	308 0	0 2	0 0	0 2	0 0	0 2
1200	157 0	0 2	211 0	0 2	0 2	0 2	305 0	284 324	0 2	0 0	325 0	312 339	0 2	0 0	0 2	0 0	0 2
1300	144 0	0 2	192 0	0 2	0 2	0 2	302 0	276 327	0 2	0 0	318 0	309 333	0 2	0 0	0 2	0 0	0 2
1400	96 0	0 2	145 0	0 2	0 2	0 2	297 0	275 316	0 2	0 0	314 0	303 326	0 2	0 0	0 2	0 0	0 2
1500	96 0	0 2	117 0	0 2	0 2	0 2	295 0	261 323	0 2	0 0	288 0	254 316	0 2	0 0	0 2	0 0	0 2
1600	96 0	0 2	117 0	0 2	0 2	0 2	261 0	249 276	0 2	0 0	267 0	245 291	0 2	0 0	0 2	0 0	0 2
1700	96 0	0 2	113 0	0 2	0 2	0 2	253 0	232 270	0 2	0 0	255 0	231 281	0 2	0 0	0 2	0 0	0 2
1800	65 0	0 2	109 0	0 2	0 2	0 2	231 0	206 254	0 2	0 0	244 0	225 267	0 2	0 0	0 2	0 0	0 2
1900	83 0	0 2	136 0	0 2	0 2	0 2	223 0	206 241	0 2	0 0	244 0	230 264	0 2	0 0	0 2	0 0	0 2
2000	96 0	0 2	152 0	0 2	0 2	0 2	225 0	217 242	0 2	0 0	240 0	223 259	0 2	0 0	0 2	0 0	0 2
2100	127 0	0 2	169 0	0 2	0 2	0 2	245 0	226 259	0 2	0 0	248 0	232 266	0 2	0 0	0 2	0 0	0 2
2200	138 0	0 2	211 0	0 2	0 2	0 2	242 0	222 257	0 2	0 0	251 0	231 268	0 2	0 0	0 2	0 0	0 2
2300	157 0	0 2	246 0	0 2	0 2	0 2	251 0	237 263	0 2	0 0	268 0	243 288	0 2	0 0	0 2	0 0	0 2
2400	205 0	0 2	288 0	0 2	0 2	0 2	263 0	251 282	0 2	0 0	286 0	262 313	0 2	0 0	0 2	0 0	0 2

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	540 0	0 2	0 2	0 2	0 2	0 2	12 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
200	533 0	0 2	0 2	0 2	0 2	0 2	20 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
300	557 0	0 2	0 2	0 2	0 2	0 2	5 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
400	567 0	0 2	0 2	0 2	0 2	0 2	2 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
500	581 0	0 2	0 2	0 2	0 2	0 2	-7 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
600	564 0	0 2	0 2	0 2	0 2	0 2	-8 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
700	557 0	0 2	0 2	0 2	0 2	0 2	-9 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
800	557 0	0 2	0 2	0 2	0 2	0 2	-9 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
900	571 0	0 2	0 2	0 2	0 2	0 2	-10 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1000	584 0	0 2	0 2	0 2	0 2	0 2	-18 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1100	594 0	0 2	0 2	0 2	0 2	0 2	-27 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1200	601 0	0 2	0 2	0 2	0 2	0 2	-37 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1300	594 0	0 2	0 2	0 2	0 2	0 2	-36 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1400	618 0	0 2	0 2	0 2	0 2	0 2	-45 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1500	615 0	0 2	0 2	0 2	0 2	0 2	-25 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1600	601 0	0 2	0 2	0 2	0 2	0 2	-23 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1700	601 0	0 2	0 2	0 2	0 2	0 2	-15 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1800	594 0	0 2	0 2	0 2	0 2	0 2	-2 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1900	584 0	0 2	0 2	0 2	0 2	0 2	11 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2000	584 0	0 2	0 2	0 2	0 2	0 2	7 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2100	601 0	0 2	0 2	0 2	0 2	0 2	-2 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2200	601 0	0 2	0 2	0 2	0 2	0 2	-4 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2300	615 0	0 2	0 2	0 2	0 2	0 2	-4 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2400	625 0	0 2	0 2	0 2	0 2	0 2	-3 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1	S	WIND SPD2	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	273	0	0	2	371	1	0	2	1	2	0	2	309	0	299	325	0	2	0	0	329	0	313	333	0	2	0	0	0	2	0	0	0	2
200	242	0	0	2	353	0	0	2	0	2	0	2	311	0	295	327	0	2	0	0	330	0	315	341	0	2	0	0	0	2	0	0	0	2
300	221	1	0	2	317	0	0	2	0	2	0	2	316	0	297	335	0	2	0	0	335	0	321	349	0	2	0	0	0	2	0	0	0	2
400	203	0	0	2	317	0	0	2	0	2	0	2	321	0	309	344	0	2	0	0	339	0	321	353	0	2	0	0	0	2	0	0	0	2
500	207	0	0	2	292	0	0	2	0	2	0	2	314	0	293	335	0	2	0	0	333	0	316	354	0	2	0	0	0	2	0	0	0	2
600	183	0	0	2	265	0	0	2	0	2	0	2	309	0	289	333	0	2	0	0	336	0	317	353	0	2	0	0	0	2	0	0	0	2
700	152	0	0	2	243	0	0	2	1	2	0	2	323	1	296	354	0	2	0	0	341	0	318	5	0	2	0	0	0	2	0	0	0	2
800	152	0	0	2	236	0	0	2	0	2	0	2	321	0	295	350	0	2	0	0	342	0	320	9	0	2	0	0	0	2	0	0	0	2
900	151	0	0	2	232	0	0	2	0	2	0	2	313	0	295	342	0	2	0	0	336	0	305	357	0	2	0	0	0	2	0	0	0	2
1000	153	0	0	2	198	0	0	2	0	2	0	2	318	0	294	344	0	2	0	0	331	0	309	357	0	2	0	0	0	2	0	0	0	2
1100	141	0	0	2	202	0	0	2	1	2	0	2	292	0	285	318	0	2	0	0	327	0	312	342	0	2	0	0	0	2	0	0	0	2
1200	133	0	0	2	202	0	0	2	0	2	0	2	294	0	279	316	0	2	0	0	311	0	297	327	0	2	0	0	0	2	0	0	0	2
1300	115	0	0	2	167	0	0	2	1	2	0	2	296	0	276	316	0	2	0	0	316	0	302	329	0	2	0	0	0	2	0	0	0	2
1400	103	0	0	2	157	0	0	2	0	2	0	2	291	0	273	318	0	2	0	0	306	0	294	323	0	2	0	0	0	2	0	0	0	2
1500	96	0	0	2	142	0	0	2	0	2	0	2	295	0	272	325	0	2	0	0	309	0	295	325	0	2	0	0	0	2	0	0	0	2
1600	82	0	0	2	123	0	0	2	1	2	0	2	297	0	270	325	0	2	0	0	324	0	303	340	0	2	0	0	0	2	0	0	0	2
1700	82	0	0	2	100	0	0	2	0	2	0	2	302	0	275	327	0	2	0	0	320	0	305	335	0	2	0	0	0	2	0	0	0	2
1800	71	0	0	2	108	0	0	2	1	2	0	2	269	0	242	295	0	2	0	0	287	0	260	313	0	2	0	0	0	2	0	0	0	2
1900	46	1	0	2	77	0	0	2	0	2	0	2	257	1	213	313	0	2	0	0	311	0	286	330	0	2	0	0	0	2	0	0	0	2
2000	75	0	0	2	67	0	0	2	0	2	0	2	164	0	149	174	0	2	0	0	201	0	176	224	0	2	0	0	0	2	0	0	0	2
2100	61	1	0	2	77	0	0	2	0	2	0	2	170	1	152	183	0	2	0	0	180	1	167	195	0	2	0	0	0	2	0	0	1	2
2200	93	0	0	2	113	0	0	2	1	2	0	2	173	1	159	183	0	2	0	0	183	0	179	192	0	2	0	0	0	2	0	0	0	2
2300	82	0	0	2	107	0	0	2	0	2	0	2	167	0	151	183	0	2	0	0	194	0	183	203	0	2	0	0	0	2	0	0	0	2
2400	75	0	0	2	130	0	0	2	0	2	0	2	183	0	161	212	0	2	0	0	187	0	174	197	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1	S	AMB. TEM2	S	AMB. TEM3	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	615	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	577	0	0	2	0	2	0	2	1	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	571	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	557	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	554	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	540	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	530	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	531	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	530	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	543	1	0	2	0	2	0	2	0	2	0	2	-14	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	550	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	550	1	0	2	0	2	0	2	0	2	0	2	-23	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	557	0	0	2	0	2	0	2	0	2	0	2	-39	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	567	0	0	2	0	2	0	2	0	2	0	2	-41	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	591	0	0	2	0	2	0	2	0	2	0	2	-42	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	594	1	0	2	0	2	0	2	0	2	0	2	-44	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	591	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	567	0	0	2	0	2	0	2	0	2	0	2	-5	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	533	0	0	2	0	2	0	2	0	2	0	2	16	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	533	1	0	2	0	2	0	2	0	2	0	2	26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	520	0	0	2	0	2	0	2	0	2	0	2	50	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	492	0	0	2	0	2	0	2	0	2	0	2	62	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	496	0	0	2	0	2	0	2	0	2	0	2	82	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	503	0	0	2	0	2	0	2	0	2	0	2	74	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	77	0	0	2	169	0	0	2	0	2	0	2	183	0	160	216	0	2	0	0	212	0	203	216	0	2	0	0	0	2	0	0	0	2
200	67	0	0	2	177	0	0	2	0	2	0	2	171	0	145	198	0	2	0	0	204	0	190	214	0	2	0	0	0	2	0	0	0	2
300	73	0	0	2	161	0	0	2	0	2	0	2	169	0	137	194	0	2	0	0	200	0	179	215	0	2	0	0	0	2	0	0	0	2
400	73	0	0	2	127	0	0	2	0	2	0	2	145	0	126	164	0	2	0	0	188	0	170	201	0	2	0	0	0	2	0	0	0	2
500	73	0	0	2	167	0	0	2	0	2	0	2	146	0	127	163	0	2	0	0	189	0	172	198	0	2	0	0	0	2	0	0	0	2
600	77	0	0	2	186	0	0	2	0	2	0	2	152	0	124	179	0	2	0	0	190	0	173	208	0	2	0	0	0	2	0	0	0	2
700	90	0	0	2	188	0	0	2	0	2	0	2	154	0	128	185	0	2	0	0	190	0	172	206	0	2	0	0	0	2	0	0	0	2
800	60	0	0	2	159	0	0	2	0	2	0	2	153	0	123	180	0	2	0	0	188	0	163	206	0	2	0	0	0	2	0	0	0	2
900	71	0	0	2	119	0	0	2	0	2	0	2	147	0	115	177	0	2	0	0	189	0	159	216	0	2	0	0	0	2	0	0	0	2
1000	71	0	0	2	150	0	0	2	0	2	0	2	167	0	126	223	0	2	0	0	191	0	164	225	0	2	0	0	0	2	0	0	0	2
1100	100	0	0	2	177	0	0	2	0	2	0	2	194	0	159	231	0	2	0	0	197	0	173	226	0	2	0	0	0	2	0	0	0	2
1200	109	0	38	0	194	0	164	0	0	0	0	0	205	0	169	232	207	0	267	108	213	0	181	246	190	0	238	156	0	0	0	0	0	0
1300	101	0	39	0	167	0	153	0	0	0	0	0	213	0	257	142	212	0	264	107	204	0	227	95	189	0	230	108	0	0	0	0	0	0
1400	101	0	89	0	154	0	152	0	0	0	0	0	219	0	267	106	220	0	269	136	222	0	257	161	208	0	249	164	0	0	0	0	0	0
1500	111	0	97	0	187	0	168	0	0	0	0	0	223	0	265	121	219	0	267	113	217	0	250	182	203	0	236	155	0	0	0	0	0	0
1600	112	0	97	0	172	0	154	0	0	0	0	0	229	0	292	200	224	0	267	151	219	0	250	192	203	0	236	170	0	0	0	0	0	0
1700	109	0	92	0	157	0	143	0	0	0	0	0	224	0	262	162	226	0	272	182	219	0	249	186	204	0	232	157	0	0	0	0	0	0
1800	78	0	66	0	153	0	147	0	0	0	0	0	213	0	265	101	209	0	267	149	213	0	242	186	199	0	224	169	0	0	0	0	0	0
1900	112	2	97	2	172	2	154	2	0	0	0	0	229	2	292	200	224	2	267	151	219	2	250	192	203	2	236	170	0	0	0	0	0	0
2000	102	0	88	0	195	0	168	0	0	0	0	0	212	0	263	142	214	0	269	104	213	0	256	188	199	0	224	169	0	0	0	0	0	0
2100	110	0	96	0	184	0	169	0	0	0	0	0	222	0	266	164	221	0	269	155	218	0	254	194	202	0	230	161	0	0	0	0	0	0
2200	127	0	111	0	205	0	174	0	0	0	0	0	227	0	269	194	227	0	275	180	223	0	259	199	207	0	245	173	0	0	0	0	0	0
2300	140	0	118	0	212	0	203	0	0	0	0	0	234	0	302	184	228	0	267	156	223	0	255	192	209	0	236	185	0	0	0	0	0	0
2400	133	0	118	0	222	0	210	0	0	0	0	0	228	0	264	176	227	0	261	162	228	0	261	195	212	0	240	170	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1	150A	S	D.T. 2	150B	S	D.T. 3.	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	499	0	0	2	0	2	0	2	0	2	0	2	74	1		0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	485	0	0	2	0	2	0	2	0	2	0	2	38	0		0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	475	0	0	2	0	2	0	2	0	2	0	2	40	0		0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	462	0	0	2	0	2	0	2	0	2	0	2	27	0		0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	455	0	0	2	0	2	0	2	0	2	0	2	23	0		0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	462	0	0	2	0	2	0	2	0	2	0	2	19	0		0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	465	0	0	2	0	2	0	2	0	2	0	2	15	0		0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	489	0	0	2	0	2	0	2	0	2	0	2	-9	0		0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	543	0	0	2	0	2	0	2	0	2	0	2	-17	0		0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	594	0	0	2	0	2	0	2	0	2	0	2	-23	0		0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	652	0	0	2	0	2	0	2	0	2	0	2	-28	0		0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	669	0	684	0	667	0	660	0	320	0	320	0	-26	0		-23	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	715	0	711	0	693	0	684	0	320	0	320	0	-27	0		-27	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	733	0	732	0	714	0	707	0	320	0	320	0	-27	0		-25	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	735	0	729	0	715	0	712	0	320	0	320	0	-18	0		-16	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	736	0	730	0	720	0	714	0	320	0	320	0	-16	0		-14	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	727	0	721	0	720	0	714	0	320	0	320	0	-7	0		-7	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	709	0	703	0	711	0	705	0	320	0	320	0	2	0		4	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	687	2	693	2	693	2	689	2	320	0	320	0	7	2		7	2		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	685	0	678	0	685	0	680	0	320	0	320	0	0	0		2	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	682	0	678	0	678	0	675	0	320	0	320	0	-4	0		-4	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	684	0	678	0	678	0	673	0	320	0	320	0	-4	0		-4	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	687	0	680	0	682	0	676	0	320	0	320	0	-4	0		-4	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	673	0	673	0	675	0	671	0	320	0	320	0	2	0		2	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN	MAX	WIND DIR4		MIN	MAX	WIND DIR5		MIN	MAX	WIND DIR6	
	30 A	S	30 B	S	1501	S	1508	S		S	30 A	S			30 A	S			150A	S			1500	S			S				S			
100	134	0	119	0	217	1	218	0	0	1	0	0	231	0	213	182	230	0	266	196	230	0	257	182	214	0	238	184	0	0	0	0	0	0
200	157	0	152	0	251	0	252	0	0	0	0	0	257	0	291	195	248	0	231	224	256	0	281	239	240	0	259	230	0	0	0	0	0	0
300	117	0	110	0	195	0	197	0	0	0	0	0	252	0	292	195	251	0	274	228	260	0	281	241	244	0	269	227	0	0	0	0	0	0
400	93	0	94	0	142	0	142	0	0	0	0	0	320	1	12	273	311	0	1	276	323	0	11	290	307	0	358	274	0	0	0	0	0	0
500	87	0	81	0	134	0	132	0	0	0	0	0	17	1	60	308	14	0	65	335	11	0	40	323	349	0	28	311	0	0	0	0	0	0
600	115	0	106	0	160	0	156	0	0	0	0	0	23	0	84	350	22	0	51	355	21	0	42	356	1	0	41	329	0	0	0	0	0	0
700	77	0	74	0	111	0	109	0	0	0	0	0	36	0	65	338	31	0	55	351	31	0	74	345	12	0	55	324	0	0	0	0	0	0
800	124	0	123	0	167	0	164	0	0	0	0	0	31	1	72	330	27	0	57	342	29	0	50	7	9	0	50	343	0	0	0	0	0	0
900	141	0	131	0	201	0	203	0	0	0	0	0	28	0	67	354	23	0	50	353	19	0	46	345	0	0	38	323	0	0	0	0	0	0
1000	116	0	112	0	153	0	150	0	0	0	0	0	36	0	85	5	31	0	70	8	38	0	71	13	19	0	60	356	0	0	0	0	0	0
1100	107	0	109	0	137	0	133	0	0	0	0	0	51	0	94	20	48	0	96	20	55	0	92	25	38	0	68	9	0	0	0	0	0	0
1200	106	0	104	0	155	0	156	0	0	0	0	0	42	0	94	6	6	0	65	6	39	0	74	5	21	0	50	346	0	0	0	0	0	0
1300	117	0	111	0	152	0	154	0	0	0	0	0	43	1	116	4	37	0	101	8	37	0	69	358	19	0	62	337	0	0	0	0	0	0
1400	119	0	112	0	154	0	147	0	0	0	0	0	32	0	65	352	27	0	61	355	32	0	59	0	13	0	32	346	0	0	0	0	0	0
1500	110	0	105	0	152	0	155	0	0	0	0	0	35	0	84	348	32	0	80	348	32	0	57	349	14	0	42	342	0	0	0	0	0	0
1600	115	0	111	0	169	0	161	0	0	0	0	0	40	0	91	1	35	0	68	359	40	0	63	3	21	0	47	352	0	0	0	0	0	0
1700	94	0	90	0	132	0	131	0	0	0	0	0	43	1	123	3	34	0	83	358	43	0	78	5	25	0	54	354	0	0	0	0	0	0
1800	72	0	71	0	102	0	103	0	0	0	0	0	47	0	88	17	42	0	73	14	46	0	63	23	27	0	51	3	0	0	0	0	0	0
1900	68	0	71	0	105	0	118	0	0	0	0	0	61	0	96	25	57	0	90	30	59	0	83	32	43	0	69	24	0	0	0	0	0	0
2000	72	0	75	0	115	0	132	0	0	0	0	0	57	0	97	25	52	0	96	25	58	0	74	35	41	0	63	21	0	0	0	0	0	0
2100	56	0	64	0	117	0	129	0	0	0	0	0	66	0	92	43	61	0	78	48	63	0	75	56	48	0	60	36	0	0	0	0	0	0
2200	76	0	75	0	121	0	133	0	0	0	0	0	80	0	120	48	78	0	95	45	76	0	93	65	59	0	77	41	0	0	0	0	0	0
2300	102	0	95	0	155	0	161	0	0	0	0	0	87	0	117	58	88	0	109	67	84	0	104	71	68	0	82	54	0	0	0	0	0	0
2400	94	0	93	0	150	0	152	0	0	0	0	0	90	0	112	55	89	0	122	63	83	0	101	58	67	0	82	54	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEM6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	
	30 A	S	30 B	S	1503	S	1508	S		S		S	1501	S	1508	S		S		S		S		S		S		S		S		S		S
100	673	0	667	0	669	0	666	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
200	655	0	649	0	655	0	651	0	320	0	320	0	2	1	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
300	639	0	633	0	635	0	631	0	320	0	320	0	-2	1	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
400	626	0	619	0	617	0	612	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
500	601	0	595	0	592	0	586	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
600	577	0	572	0	570	0	563	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
700	565	0	559	0	558	0	554	0	320	0	320	0	-5	1	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
800	547	0	540	0	534	0	534	0	320	0	320	0	-7	1	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
900	556	0	549	0	550	0	547	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1000	565	0	558	0	554	0	550	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1100	563	0	563	0	554	0	547	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1200	558	0	552	0	545	0	540	0	320	0	320	0	-9	1	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1300	556	0	550	0	543	0	538	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1400	552	0	547	0	541	0	536	0	320	0	320	0	-11	1	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1500	553	0	550	0	543	0	540	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1600	557	0	554	0	545	0	541	0	320	0	320	0	-13	1	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1700	556	0	550	0	547	0	543	0	320	0	320	0	-7	1	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1800	543	0	541	0	541	0	538	0	320	0	320	0	-5	1	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1900	523	0	516	0	525	0	522	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2000	514	0	507	0	525	0	520	0	320	0	320	0	11	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2100	480	0	473	0	514	0	511	0	320	0	320	0	36	1	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2200	486	0	478	0	487	0	484	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2300	465	0	459	0	465	0	462	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2400	449	0	435	0	445	0	442	0	320	0	320	0	3	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 EVALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5 150B	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	99	0	93	0	154	0	150	0	0	0	0	0	95	0	120	75	95	0	106	76	91	0	104	81	74	0	86	63	0	0	0	0	0	0	0	0
200	84	0	85	0	147	0	144	0	0	0	0	0	99	0	125	83	96	0	113	81	94	0	99	88	78	0	84	71	0	0	0	0	0	0	0	0
300	90	0	86	0	145	0	154	0	0	0	0	0	85	0	105	67	82	0	100	69	79	0	90	71	62	0	74	54	0	0	0	0	0	0	0	0
400	80	0	78	0	132	0	150	0	0	0	0	0	83	0	122	51	79	0	101	54	74	0	85	59	56	0	68	47	0	0	0	0	0	0	0	0
500	105	0	107	0	146	0	165	0	0	0	0	0	79	0	106	50	77	0	96	53	74	0	90	52	57	0	73	35	0	0	0	0	0	0	0	0
600	94	0	89	0	141	0	142	0	0	0	0	0	89	0	122	57	87	0	116	61	84	0	100	64	68	0	84	51	0	0	0	0	0	0	0	0
700	89	0	85	0	125	0	132	0	0	0	0	0	99	0	121	61	88	0	111	65	82	0	96	69	64	0	81	45	0	0	0	0	0	0	0	0
800	90	0	83	0	130	0	131	0	0	0	0	0	100	0	136	37	99	0	129	61	100	0	126	71	94	0	106	84	0	0	0	0	0	0	0	0
900	87	0	86	0	123	0	122	0	0	0	0	0	90	0	122	49	87	0	113	66	91	0	115	72	74	0	93	52	0	0	0	0	0	0	0	0
1000	70	0	67	0	97	0	99	0	0	0	0	0	89	0	132	34	87	0	133	48	89	0	121	59	74	0	107	34	0	0	0	0	0	0	0	0
1100	84	0	80	0	113	0	115	0	0	0	0	0	94	0	130	30	90	0	125	35	96	0	133	64	81	0	112	39	0	0	0	0	0	0	0	0
1200	90	0	87	0	127	0	131	0	0	0	0	0	89	0	133	42	85	0	117	38	93	0	139	52	77	0	118	34	0	0	0	0	0	0	0	0
1300	93	0	84	0	129	0	127	0	0	0	0	0	96	0	133	59	93	0	126	42	99	0	144	69	82	0	137	50	0	0	0	0	0	0	0	0
1400	86	0	86	0	117	0	121	0	0	0	0	0	82	0	129	39	80	0	119	41	88	0	132	62	72	0	129	40	0	0	0	0	0	0	0	0
1500	67	0	62	0	96	0	101	0	0	0	0	0	92	0	148	47	99	0	145	45	95	0	154	49	76	0	158	32	0	0	0	0	0	0	0	0
1600	102	0	109	0	139	0	136	0	0	0	0	0	64	0	111	31	62	0	94	23	69	0	94	43	52	0	84	25	0	0	0	0	0	0	0	0
1700	109	0	104	0	154	0	153	0	0	0	0	0	85	0	122	49	83	0	114	49	81	0	103	38	64	0	89	35	0	0	0	0	0	0	0	0
1800	93	0	94	0	130	0	147	0	0	0	0	0	80	0	133	48	77	0	108	49	76	0	95	58	60	0	73	39	0	0	0	0	0	0	0	0
1900	75	0	74	0	114	0	130	0	0	0	0	0	73	0	121	42	75	0	104	54	74	0	87	58	57	0	72	35	0	0	0	0	0	0	0	0
2000	71	0	72	0	121	0	135	0	0	0	0	0	79	0	118	42	76	0	91	55	76	0	88	57	59	0	72	43	0	0	0	0	0	0	0	0
2100	94	0	90	0	146	0	150	0	0	0	0	0	87	0	115	57	84	0	109	62	81	0	92	72	65	0	75	56	0	0	0	0	0	0	0	0
2200	100	0	97	0	169	0	164	0	0	0	0	0	99	0	121	77	97	0	111	81	94	0	100	88	78	0	84	73	0	0	0	0	0	0	0	0
2300	106	0	97	0	186	0	188	0	0	0	0	0	107	0	121	91	107	0	134	80	106	0	110	102	91	0	97	86	0	0	0	0	0	0	0	0
2400	112	0	103	0	175	0	179	0	0	0	0	0	114	0	125	103	115	0	139	89	113	0	118	108	98	0	107	93	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	425	0	417	0	432	0	426	0	320	0	320	0	5	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	414	0	406	0	425	0	421	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	405	0	396	0	423	0	419	0	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	395	0	387	0	419	0	405	0	320	0	320	0	14	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	412	0	405	0	417	0	414	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	415	0	408	0	412	0	408	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	423	0	415	0	417	0	414	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	423	0	421	0	417	0	414	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	459	0	453	0	442	0	437	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	487	0	486	0	468	0	464	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	531	0	529	0	503	0	496	0	320	0	320	0	-31	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	525	0	520	0	505	0	502	0	320	0	320	0	-29	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	553	0	556	0	523	0	520	0	320	0	320	0	-32	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	559	0	554	0	529	0	523	0	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	583	0	579	0	547	0	541	0	320	0	320	0	-34	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	561	0	556	0	531	0	525	0	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	541	0	536	0	525	0	522	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	507	0	500	0	504	0	498	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	469	0	460	0	460	0	477	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	446	0	437	0	464	0	460	0	320	0	320	0	19	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	441	0	432	0	443	0	442	0	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	423	0	419	0	437	0	433	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	417	0	410	0	433	0	428	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	403	0	401	0	421	0	417	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 30 A S	WIND DIR1 MIN	MAX	WIND DIR2 MIN	MAX	WIND DIR3 150A S MIN	MAX	WIND DIR4 150B S MIN	MAX	WIND DIR5 S MIN	MAX	WIND DIR6 S MIN	MAX
100	116 0	111 0	175 0	172 0	0 0	0 0	113 0	124 105	114 0	139 93	117 0	123 102	102 0	107 97	0 0	0 0	0 0	0 0
200	103 0	100 0	162 0	156 0	0 0	0 0	116 0	127 101	118 0	140 95	121 0	136 114	106 0	121 97	0 0	0 0	0 0	0 0
300	101 0	111 0	162 0	167 0	0 0	0 0	117 0	129 101	118 0	145 99	122 0	133 113	107 0	120 99	0 0	0 0	0 0	0 0
400	107 0	101 0	155 0	156 0	0 0	0 0	123 0	128 103	122 0	144 97	123 0	134 120	114 0	128 106	0 0	0 0	0 0	0 0
500	95 0	98 0	147 0	152 0	0 0	0 0	120 0	133 110	123 0	139 102	127 0	134 118	113 0	121 103	0 0	0 0	0 0	0 0
600	79 0	76 0	157 0	139 0	0 0	0 0	114 0	127 102	117 0	134 87	117 0	127 112	102 0	109 94	0 0	0 0	0 0	0 0
700	73 0	76 0	141 0	142 0	0 0	0 0	107 0	113 97	107 0	131 81	110 0	115 106	96 0	99 91	0 0	0 0	0 0	0 0
800	72 0	70 0	131 0	137 0	0 0	0 0	106 0	123 87	105 0	132 82	107 0	115 99	91 0	100 84	0 0	0 0	0 0	0 0
900	63 0	61 0	87 0	87 0	0 0	0 0	109 0	143 73	110 0	149 68	110 0	143 82	95 0	124 87	0 0	0 0	0 0	0 0
1000	87 0	38 0	104 0	111 0	0 0	0 0	117 0	139 83	121 0	173 69	123 0	142 92	110 0	129 78	0 0	0 0	0 0	0 0
1100	73 0	76 0	108 0	109 0	0 0	0 0	113 0	162 49	119 0	172 59	129 0	166 77	115 0	145 66	0 0	0 0	0 0	0 0
1200	97 0	97 0	119 0	123 0	0 0	0 0	119 0	142 94	124 0	170 85	131 0	147 115	118 0	138 104	0 0	0 0	0 0	0 0
1300	63 0	67 0	94 0	96 0	0 0	0 0	131 0	224 94	133 0	179 60	143 0	167 116	131 0	155 102	0 0	0 0	0 0	0 0
1400	55 0	59 0	81 0	84 0	0 0	0 0	139 0	209 95	126 0	175 57	143 0	210 97	133 0	199 98	0 0	0 0	0 0	0 0
1500	54 0	53 0	81 0	82 0	0 0	0 0	128 0	179 63	120 0	179 63	142 0	227 100	133 0	258 96	0 0	0 0	0 0	0 0
1600	75 0	77 0	108 0	103 0	0 0	0 0	123 0	147 103	126 0	163 91	133 0	164 113	122 0	155 97	0 0	0 0	0 0	0 0
1700	57 0	59 0	83 0	82 0	0 0	0 0	122 0	168 88	129 0	173 87	133 0	165 107	122 0	146 102	0 0	0 0	0 0	0 0
1800	62 0	60 0	88 0	95 0	0 0	0 0	120 0	133 104	121 0	143 96	129 0	142 115	117 0	130 102	0 0	0 0	0 0	0 0
1900	58 0	62 0	121 0	124 0	0 0	0 0	126 0	136 117	130 0	146 116	152 0	150 137	130 0	137 125	0 0	0 0	0 0	0 0
2000	62 0	67 0	130 0	135 0	0 0	0 0	124 0	135 112	129 0	143 108	145 0	153 137	133 0	141 125	0 0	0 0	0 0	0 0
2100	71 0	72 0	145 0	146 0	0 0	0 0	122 0	139 117	126 0	143 107	141 0	146 135	130 0	136 129	0 0	0 0	0 0	0 0
2200	79 0	89 0	173 0	176 0	0 0	0 0	127 0	149 109	130 0	143 107	144 0	149 137	133 0	138 124	0 0	0 0	0 0	0 0
2300	86 0	95 0	184 0	185 0	0 0	0 0	123 0	156 101	135 0	178 112	145 0	151 137	134 0	140 129	0 0	0 0	0 0	0 0
2400	82 0	79 0	124 0	133 0	0 0	0 0	118 0	133 102	122 0	143 99	136 0	148 125	125 0	140 110	0 0	0 0	0 0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 130A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	403 0	397 0	415 0	412 0	320 0	320 0	13 0	14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	401 0	394 0	410 0	406 0	320 0	320 0	9 0	13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	397 0	390 0	406 0	401 0	320 0	320 0	9 0	11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	392 0	385 0	403 0	397 0	320 0	320 0	11 0	13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	385 0	379 0	401 0	396 0	320 0	320 0	14 0	16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	372 0	374 0	401 0	397 0	320 0	320 0	22 0	23 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	376 0	367 0	403 0	399 0	320 0	320 0	29 0	32 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	387 0	381 0	397 0	392 0	320 0	320 0	9 0	13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	441 0	433 0	424 0	421 0	320 0	320 0	-16 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1000	493 0	423 0	440 0	437 0	320 0	320 0	-18 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1100	532 0	529 0	500 0	496 0	320 0	320 0	-32 0	-32 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1200	533 0	532 0	516 0	511 0	320 0	320 0	-23 0	-22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1300	572 0	568 0	540 0	534 0	320 0	320 0	-32 0	-32 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1400	593 0	586 0	559 0	558 0	320 0	320 0	-31 0	-31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1500	597 0	594 0	570 0	568 0	320 0	320 0	-27 0	-27 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1600	583 0	583 0	576 0	570 0	320 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1700	586 0	579 0	577 0	572 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1800	572 0	565 0	570 0	565 0	320 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1900	545 0	539 0	561 0	556 0	320 0	320 0	16 0	20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2000	522 0	522 0	547 0	543 0	320 0	320 0	13 0	20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2100	514 0	507 0	541 0	536 0	320 0	320 0	27 0	29 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2200	511 0	504 0	534 0	529 0	320 0	320 0	23 0	25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2300	509 0	502 0	527 0	523 0	320 0	320 0	20 0	22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2400	505 0	498 0	505 0	502 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = CALM DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN	MAX	WIND DIR4		MIN	MAX	WIND DIR5		MIN	MAX	WIND DIR6		MIN	MAX
	60 A	S	60 B	S	150A	S	150B	S		S	6C A	S			60	S			150A	S			150B	S			S				S					
100	93	0	98	0	154	0	160	0	0	0	0	0	124	0	135	116	128	0	153	115	145	0	150	137	133	0	140	128	0	0	0	0	0	0		
200	81	0	95	0	161	0	166	0	0	0	0	0	125	0	143	118	130	0	159	109	149	0	153	145	138	0	142	133	0	0	0	0	0	0		
300	82	0	91	0	173	0	173	0	0	0	0	0	124	0	165	112	131	0	162	99	151	0	159	141	139	0	146	129	0	0	0	0	0	0		
400	83	0	85	0	175	0	181	0	0	0	0	0	133	0	170	108	136	0	189	94	156	0	169	145	145	0	157	130	0	0	0	0	0	0		
500	74	0	76	0	172	0	174	0	0	0	0	0	133	0	181	102	132	0	180	95	160	0	173	145	149	0	159	135	0	0	0	0	0	0		
600	71	0	73	0	167	0	172	0	0	0	0	0	126	0	158	102	130	0	182	104	159	0	168	145	148	0	157	135	0	0	0	0	0	0		
700	79	0	82	0	181	0	186	0	0	0	0	0	133	0	173	94	133	0	171	95	165	0	176	142	152	0	162	135	0	0	0	0	0	0		
800	77	0	78	0	165	0	169	0	0	0	0	0	129	0	159	108	129	0	170	91	159	0	169	142	148	0	159	130	0	0	0	0	0	0		
900	87	0	85	0	177	0	177	0	0	0	0	0	150	0	210	111	149	0	220	91	169	0	191	141	157	0	183	134	0	0	0	0	0	0		
1000	86	0	85	0	157	0	162	0	0	0	0	0	152	0	228	99	152	0	227	97	172	0	195	149	160	0	138	132	0	0	0	0	0	0		
1100	73	0	72	0	142	0	141	0	0	0	0	0	149	0	240	96	149	0	233	96	166	0	210	130	155	0	191	120	0	0	0	0	0	0		
1200	84	0	85	0	167	0	153	0	0	0	0	0	163	0	268	105	165	0	250	97	177	0	205	133	165	0	190	135	0	0	0	0	0	0		
1300	105	0	93	0	208	0	176	0	0	0	0	0	185	0	256	118	135	0	265	104	191	0	233	160	178	0	212	144	0	0	0	0	0	0		
1400	93	0	92	0	165	0	167	0	0	0	0	0	195	0	263	125	140	0	254	103	189	0	233	151	175	0	221	142	0	0	0	0	0	0		
1500	91	0	93	0	177	0	182	0	0	0	0	0	179	0	251	107	176	0	253	105	182	0	213	135	168	0	211	126	0	0	0	0	0	0		
1600	100	0	96	0	192	0	176	0	0	0	0	0	155	0	200	104	156	0	228	92	173	0	205	145	161	0	202	128	0	0	0	0	0	0		
1700	85	0	86	0	175	0	184	0	0	0	0	0	167	0	244	104	165	0	258	95	179	0	205	134	154	0	187	126	0	0	0	0	0	0		
1800	97	0	87	0	191	0	176	0	0	0	0	0	161	0	202	126	161	0	219	97	174	0	206	143	160	0	184	125	0	0	0	0	0	0		
1900	91	0	98	0	175	0	176	0	0	0	0	0	159	0	212	104	158	0	224	99	170	0	203	143	157	0	198	135	0	0	0	0	0	0		
2000	98	0	96	0	191	0	195	0	0	0	0	0	140	0	189	97	141	0	194	93	160	0	186	136	149	0	175	125	0	0	0	0	0	0		
2100	107	0	105	0	197	0	202	0	0	0	0	0	146	0	190	94	145	0	212	98	162	0	192	145	150	0	176	132	0	0	0	0	0	0		
2200	102	0	106	0	198	0	200	0	0	0	0	0	151	0	211	104	153	0	244	91	164	0	188	119	152	0	170	121	0	0	0	0	0	0		
2300	105	0	105	0	192	0	199	0	0	0	0	0	141	0	191	100	145	0	230	97	156	0	178	126	145	0	165	119	0	0	0	0	0	0		
2400	94	0	103	0	191	0	190	0	0	0	0	0	157	0	197	98	152	0	261	92	163	0	202	142	151	0	185	128	0	0	0	0	0	0		

	AMB. TEMP1		AMB. TEMP2		AMB. TEMP3		AMB. TEMP4		AMB. TEMP5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S		S	
100	502	0	495	0	513	0	509	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
200	493	0	491	0	514	0	511	0	320	0	320	0	15	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
300	493	0	487	0	507	0	504	0	320	0	320	0	15	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
400	491	0	484	0	504	0	500	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
500	495	0	487	0	513	0	509	0	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
600	495	0	487	0	513	0	509	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
700	505	0	498	0	523	0	520	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
800	523	0	513	0	527	0	522	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
900	563	0	577	0	566	0	563	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1000	624	0	621	0	608	0	599	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1100	680	0	675	0	653	0	646	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1200	715	0	711	0	691	0	685	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1300	741	0	736	0	714	0	709	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1400	737	0	734	0	720	0	714	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1500	745	0	738	0	725	0	720	0	320	0	320	0	-21	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1600	675	0	669	0	669	0	666	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1700	739	0	734	0	720	0	716	0	320	0	320	0	-13	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1800	712	0	707	0	702	0	703	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1900	703	0	694	0	694	0	693	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2000	653	0	648	0	651	0	646	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2100	651	0	646	0	647	0	644	0	321	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2200	649	0	642	0	646	0	642	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2300	647	0	642	0	643	0	642	0	321	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
2400	643	0	640	0	640	0	635	0	321	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 EVALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 C S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A S	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	120 0	115 0	241 0	245 0	0 0	0 0	142 0	234	97	150 0	241	96	162 0	186	140	150 0	176	130	0 0	0	0	0 0
200	131 0	137 0	261 0	269 0	0 0	0 0	145 0	192	101	148 0	205	94	162 0	181	129	151 0	171	125	0 0	0	0	0 0
300	103 0	105 0	211 0	217 0	0 0	0 0	147 0	204	99	149 0	227	92	163 0	193	135	150 0	172	129	0 0	0	0	0 0
400	93 0	87 0	177 0	180 0	0 0	0 0	145 0	252	99	146 0	215	101	162 0	193	142	150 0	169	127	0 0	0	0	0 0
500	92 0	93 0	182 0	185 0	0 0	0 0	137 0	177	100	141 0	215	91	154 0	175	137	142 0	158	119	0 0	0	0	0 0
600	101 0	107 0	195 0	198 0	0 0	0 0	137 0	176	106	138 0	221	96	155 0	175	134	141 0	160	117	0 0	0	0	0 0
700	87 0	87 0	164 0	161 0	0 0	0 0	153 0	210	99	153 0	246	111	167 0	191	140	155 0	170	135	0 0	0	0	0 0
800	95 0	94 0	180 0	179 0	0 0	0 0	145 0	230	111	147 0	221	97	165 0	186	145	154 0	175	136	0 0	0	0	0 0
900	85 0	86 0	157 0	151 0	0 0	0 0	153 0	219	97	160 0	244	93	172 0	193	142	159 0	182	132	0 0	0	0	0 0
1000	85 0	86 0	175 0	161 0	0 0	0 0	159 0	252	112	161 0	221	104	174 0	204	145	161 0	187	141	0 0	0	0	0 0
1100	152 0	155 0	231 0	228 0	0 0	0 0	265 1	326	180	266 0	330	135	269 0	332	180	264 0	326	180	0 0	0	0	0 0
1200	219 0	217 0	273 0	279 0	0 0	0 0	303 0	324	287	303 0	343	260	319 0	329	312	296 0	304	287	0 0	0	0	0 0
1300	134 0	129 0	196 0	199 0	0 0	0 0	315 1	348	259	312 0	359	256	333 0	15	301	310 0	343	271	0 0	0	0	0 0
1400	129 0	126 0	191 0	187 0	0 0	0 0	321 1	16	273	313 0	358	255	334 0	2	312	312 0	345	283	0 0	0	0	0 0
1500	112 0	107 0	163 0	157 0	0 0	0 0	321 1	23	287	317 0	359	265	333 0	1	304	311 0	342	283	0 0	0	0	0 0
1600	177 0	179 0	241 0	246 0	0 0	0 0	307 0	329	285	303 0	350	258	315 0	328	305	292 0	310	282	0 0	0	0	0 0
1700	157 0	158 0	201 0	203 0	0 0	0 0	310 0	344	288	306 0	390	270	319 0	337	310	295 0	309	280	0 0	0	0	0 0
1800	120 0	115 0	169 0	171 0	0 0	0 0	309 0	341	270	306 0	356	261	319 0	342	305	296 0	321	284	0 0	0	0	0 0
1900	130 0	129 0	175 0	174 0	0 0	0 0	319 0	355	289	310 0	359	270	323 0	343	302	331 0	326	279	0 0	0	0	0 0
2000	134 0	133 0	185 0	187 0	0 0	0 0	316 0	349	289	309 0	337	261	326 0	343	310	302 0	323	283	0 0	0	0	0 0
2100	102 0	97 0	161 0	158 0	0 0	0 0	329 0	13	286	327 0	24	270	339 0	2	292	316 0	5	273	0 0	0	0	0 0
2200	70 0	69 0	113 0	116 0	0 0	0 0	353 0	50	285	350 0	65	282	355 0	31	321	336 0	119	304	0 0	0	0	0 0
2300	51 0	51 0	93 0	91 0	0 0	0 0	8 0	83	291	3 0	98	303	7 0	52	303	348 0	94	306	0 0	0	0	0 0
2400	53 0	53 0	81 0	82 0	0 0	0 0	19 0	53	301	16 0	121	303	8 0	47	326	350 0	39	291	0 0	0	0	0 0

	AMB. TEM1 50 A S	AMB. TEM2 50 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 1904 S	D.T. 2 1808 S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	643 0	633 0	635 0	630 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	624 0	612 0	619 0	613 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	603 0	603 0	603 0	599 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	594 0	586 0	594 0	588 0	320 0	320 0	0 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	588 0	583 0	590 0	585 0	320 0	320 0	0 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	586 0	581 0	585 0	582 0	320 0	320 0	-2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	592 0	585 0	594 0	583 0	320 0	320 0	-2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	592 0	585 0	583 0	583 0	320 0	320 0	-3 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	604 0	599 0	601 0	594 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1000	617 0	610 0	605 0	604 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1100	585 0	579 0	572 0	567 0	320 0	320 0	-13 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1200	513 0	505 0	504 0	498 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1300	504 0	496 0	495 0	489 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1400	503 0	496 0	493 0	493 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1500	496 0	489 0	491 0	486 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1600	493 0	487 0	486 0	482 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1700	484 0	475 0	485 0	477 0	320 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1800	484 0	477 0	480 0	475 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1900	484 0	477 0	483 0	475 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2000	484 0	477 0	484 0	475 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2100	484 0	477 0	477 0	473 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2200	482 0	476 0	476 0	473 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2300	482 0	477 0	477 0	475 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2400	484 0	477 0	476 0	475 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	WIND DIR2 MIN 50 A	MAX	S	WIND DIR3 MIN 150A	MAX	S	WIND DIR4 MIN 150B	MAX	S	WIND DIR5 MIN	MAX	S	WIND DIR6 MIN	MAX	S
100	66	0	67	0	101	0	100	0	0	0	0	0	342	0	39	283	336	0	24	294	349	0	31	327	327	0	8	302	0	0	0	0	0	0
200	66	0	64	0	113	0	108	0	0	0	0	0	351	0	40	304	344	0	37	278	354	0	37	313	332	0	18	292	0	0	0	0	0	0
300	67	0	64	0	113	0	110	0	0	0	0	0	7	0	59	319	3	0	72	290	7	0	31	329	346	0	43	305	0	0	0	0	0	0
400	61	0	62	0	93	0	90	0	0	0	0	0	20	0	79	318	16	0	150	312	8	0	46	330	347	0	32	302	0	0	0	0	0	0
500	60	0	58	0	94	0	93	0	0	0	0	0	7	0	74	297	2	0	50	302	2	0	57	310	341	0	131	305	0	0	0	0	0	0
600	45	0	48	0	69	0	65	0	0	0	0	0	91	0	123	60	98	0	130	45	93	0	120	75	75	0	108	56	0	0	0	0	0	0
700	45	0	47	0	67	0	66	0	0	0	0	0	101	0	116	82	100	0	131	69	100	0	120	86	94	0	108	68	0	0	0	0	0	0
800	44	0	43	0	73	0	73	0	0	0	0	0	82	0	127	57	89	0	132	49	84	0	103	57	67	0	88	52	0	0	0	0	0	0
900	47	0	46	0	65	0	67	0	0	0	0	0	111	0	136	88	114	0	142	85	109	0	129	91	94	0	120	77	0	0	0	0	0	0
1000	25	0	29	0	47	0	39	0	0	0	0	0	182	0	244	113	183	3	250	101	160	0	201	152	165	0	197	139	0	0	0	0	0	0
1100	180	0	174	0	238	0	241	0	0	0	0	0	310	0	342	291	304	0	347	251	321	0	342	308	298	0	315	295	0	0	0	0	0	0
1200	187	0	181	0	261	0	264	0	0	0	0	0	300	0	323	280	296	0	338	259	311	0	326	304	239	0	308	230	0	0	0	0	0	0
1300	154	0	146	0	215	0	222	0	0	0	0	0	295	0	332	271	290	0	338	247	306	0	317	283	294	0	294	258	0	0	0	0	0	0
1400	149	0	144	0	213	0	216	0	0	0	0	0	295	0	322	254	291	0	342	240	305	0	319	269	284	0	297	256	0	0	0	0	0	0
1500	124	0	130	0	166	0	171	0	0	0	0	0	276	0	322	241	273	0	337	230	291	0	323	243	269	0	297	229	0	0	0	0	0	0
1600	73	0	77	0	117	0	120	0	0	0	0	0	297	0	340	251	291	0	339	242	304	0	323	262	283	0	298	242	0	0	0	0	0	0
1700	114	0	117	0	162	0	177	0	0	0	0	0	258	0	286	218	253	0	289	213	263	0	291	212	246	0	266	190	0	0	0	0	0	0
1800	189	0	182	0	255	0	266	0	0	0	0	0	273	0	327	234	272	0	338	230	285	0	335	248	264	0	298	232	0	0	0	0	0	0
1900	167	0	158	0	237	0	251	0	0	0	0	0	256	0	286	213	254	0	294	182	258	0	280	232	241	0	266	210	0	0	0	0	0	0
2000	102	0	99	0	178	0	181	0	0	0	0	0	217	0	257	169	216	0	263	133	215	0	249	181	199	0	223	154	0	0	0	0	0	0
2100	107	0	97	0	179	0	182	0	0	0	0	0	221	0	256	180	221	0	262	166	220	0	249	191	205	0	234	176	0	0	0	0	0	0
2200	195	0	195	0	270	0	287	0	0	0	0	0	262	0	285	237	261	0	321	221	270	0	292	249	254	0	273	229	0	0	0	0	0	0
2300	268	0	266	0	331	0	343	0	0	0	0	0	270	0	307	244	266	0	331	217	280	0	317	255	262	0	290	218	0	0	0	0	0	0
2400	284	0	291	0	351	0	358	0	0	0	0	0	263	0	284	243	265	0	291	234	273	0	289	249	255	0	270	232	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	487	0	484	0	484	0	480	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	489	0	482	0	484	0	480	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	489	0	484	0	484	0	480	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	487	0	480	0	484	0	478	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	487	0	482	0	484	0	478	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	450	0	442	0	446	0	441	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	450	0	442	0	446	0	439	0	321	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	437	0	428	0	444	0	433	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	437	0	430	0	433	0	426	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	435	0	426	0	429	0	426	0	320	0	320	0	-7	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	469	0	462	0	465	0	462	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	463	0	460	0	460	0	455	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	473	0	469	0	457	0	451	0	320	0	320	0	-15	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	473	0	473	0	463	0	457	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	496	0	489	0	477	0	475	0	320	0	320	0	-13	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	491	0	486	0	480	0	475	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	494	0	493	0	493	0	487	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	478	0	473	0	469	0	466	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	444	0	437	0	437	0	432	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	410	0	403	0	401	0	397	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	406	0	399	0	401	0	396	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	421	0	415	0	424	0	417	0	321	0	320	0	-2	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	417	0	410	0	401	0	403	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	424	0	419	0	421	0	415	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	WIND DIR2				WIND DIR3				WIND DIR4				WIND DIR5				WIND DIR6		
	50 A	S	50 B	S	1500 A	S	1500 B	S		S	50 A	S		MIN	MAX		S	MIN	MAX		S	MIN	MAX		S	MIN	MAX		S	MIN	MAX		S
100	257	0	250	0	348	0	357	0	0	0	0	0	263	0	287	239	264	0	297	219	272	0	293	249	264	0	279	229	0	0	0	0	0	0
200	281	0	285	0	335	0	347	0	0	0	0	0	273	0	287	255	267	0	296	235	273	0	312	264	259	0	295	238	0	0	0	0	0	0
300	212	0	214	0	285	0	312	0	0	0	0	0	265	0	294	232	261	0	323	228	269	0	292	251	251	0	264	211	0	0	0	0	0	0
400	174	0	172	0	259	0	265	0	0	0	0	0	250	0	305	197	247	0	295	194	250	0	288	216	232	0	260	192	0	0	0	0	0	0
500	216	0	220	0	311	0	330	0	0	0	0	0	262	0	289	235	259	0	295	222	265	0	283	245	247	0	262	217	0	0	0	0	0	0
600	106	0	100	0	163	0	157	0	0	0	0	0	234	0	276	193	236	0	292	185	232	0	284	199	212	0	245	186	0	0	0	0	0	0
700	121	0	122	0	193	0	195	0	0	0	0	0	233	0	277	202	240	0	297	193	237	0	263	206	220	0	249	190	0	0	0	0	0	0
800	147	0	149	0	213	0	227	0	0	0	0	0	243	0	290	205	238	0	275	193	241	0	264	215	223	0	257	200	0	0	0	0	0	0
900	203	0	195	0	284	0	305	0	0	0	0	0	255	0	299	225	252	0	306	188	256	0	284	220	237	0	264	192	0	0	0	0	0	0
1000	263	0	264	0	362	0	398	0	0	0	0	0	261	0	285	240	261	0	298	225	263	0	284	236	246	0	266	215	0	0	0	0	0	0
1100	332	0	334	0	405	0	419	0	0	0	0	0	272	0	286	259	265	0	291	235	275	0	294	256	257	0	297	243	0	0	0	0	0	0
1200	307	0	316	0	363	0	386	0	0	0	0	0	273	0	290	255	266	0	293	217	276	0	296	265	258	0	278	244	0	0	0	0	0	0
1300	282	0	293	0	335	0	350	0	0	0	0	0	269	0	291	248	265	0	315	221	273	0	283	260	256	0	268	243	0	0	0	0	0	0
1400	217	0	222	0	293	0	309	0	0	0	0	0	267	0	286	243	263	0	298	218	263	0	280	239	251	0	266	221	0	0	0	0	0	0
1500	234	0	238	0	299	0	322	0	0	0	0	0	269	0	287	246	266	0	298	238	271	0	282	252	254	0	271	239	0	0	0	0	0	0
1600	187	0	190	0	264	0	271	0	0	0	0	0	266	0	287	239	264	0	337	226	268	0	287	250	251	0	263	229	0	0	0	0	0	0
1700	152	0	155	0	227	0	238	0	0	0	0	0	264	0	289	237	260	0	295	230	267	0	281	241	249	0	260	208	0	0	0	0	0	0
1800	144	0	146	0	213	0	222	0	0	0	0	0	261	0	290	234	261	0	297	217	268	0	293	224	251	0	261	231	0	0	0	0	0	0
1900	133	0	138	0	205	0	215	0	0	0	0	0	263	0	286	231	258	0	296	229	267	0	285	242	250	0	267	222	0	0	0	0	0	0
2000	72	0	71	0	119	0	123	0	0	0	0	0	237	0	259	187	236	0	265	198	236	0	254	205	219	0	236	196	0	0	0	0	0	0
2100	74	0	66	0	129	0	130	0	0	0	0	0	224	0	245	185	220	0	252	179	233	0	263	213	220	0	252	195	0	0	0	0	0	0
2200	75	0	63	0	124	0	131	0	0	0	0	0	222	0	250	192	221	0	265	187	235	0	249	218	218	0	232	199	0	0	0	0	0	0
2300	55	0	46	0	104	0	108	0	0	0	0	0	219	0	246	137	219	0	267	171	246	0	282	187	228	0	263	177	0	0	0	0	0	0
2400	44	0	39	0	53	0	55	0	0	0	0	0	202	0	239	167	198	0	238	159	249	0	291	190	231	0	264	172	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEMS		AMB. TEMP6		D.T. 1	D.T. 2				D.T. 3				D.T. 4				MISC 1				MISC 2				MISC 3				MISC 4				MISC 5				MISC 6				MISC 7				RAIN	
	30 A	S	30 B	S	1400 A	S	1630	S		S		S	1300 A	S	1800	S		S			S			S		S			S			S			S			S			S			S			S			S		
100	423	0	423	0	419	0	414	0	320	0	320	0	-9	0	-9	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	424	0	417	0	414	0	410	0	320	0	320	0	-11	0	-9	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	426	0	419	0	417	0	414	0	320	0	320	0	-7	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	412	0	406	0	401	0	396	0	320	0	320	0	-13	0	-11	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	415	0	410	0	406	0	403	0	320	0	320	0	-9	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	376	0	373	0	365	0	360	0	320	0	320	0	-11	0	-9	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	374	0	369	0	370	0	363	0	320	0	320	0	-5	0	-5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	393	0	383	0	381	0	378	0	320	0	320	0	-9	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	433	0	424	0	424	0	417	0	320	0	320	0	-9	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	444	0	441	0	437	0	432	0	320	0	320	0	-9	0	-9	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	457	0	451	0	446	0	441	0	320	0	320	0	-13	0	-11	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	473	0	469	0	466	0	459	0	320	0	320	0	-11	0	-9	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	493	0	487	0	477	0	473	0	329	0	320	0	-14	0	-13	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	513	0	507	0	496	0	493	0	320	0	320	0	-16	0	-14	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	534	0	527	0	520	0	514	0	320	0	320	0	-16	0	-14	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	545	0	539	0	531	0	525	0	320	0	320	0	-14	0	-13	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	545	0	540	0	534	0	531	0	320	0	320	0	-11	0	-9	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	541	0	536	0	538	0	532	0	320	0	320	0	-4	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	543	0	536	0	541	0	536	0	320	0	320	0	-2	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	505	0	500	0	513	0	507	0	320	0	320	0	5	0	7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	490	0	489	0	513	0	507	0	320	0	320	0	15	0	18	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	493	0	491	0	514	0	511	0	320	0	320	0	13	0	18	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	473	0	473	0	523	0	516	0	321	0	320	0	41	0	43	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	466	0	457	0	502	0	495	0	320	0	320	0	36	0	40	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	62	0	61	0	73	0	74	0	0	0	0	0	201	0	224	163	198	0	236	139	228	0	244	201	212	0	225	190	0	0	0	0	0	0	0	0
200	65	0	65	0	54	0	48	0	0	0	0	0	175	0	192	156	174	0	188	141	205	0	215	197	190	0	202	181	0	0	0	0	0	0	0	0
300	73	0	76	0	64	0	57	0	0	0	0	0	156	0	169	142	155	0	175	136	172	0	186	157	158	0	170	146	0	0	0	0	0	0	0	0
400	72	0	70	0	77	0	80	0	0	0	0	0	150	0	160	136	150	0	175	126	149	0	155	142	136	0	144	130	0	0	0	0	0	0	0	0
500	63	0	72	0	139	0	141	0	0	0	0	0	133	0	153	119	137	0	162	112	146	0	153	139	133	0	140	126	0	0	0	0	0	0	0	0
600	73	0	75	0	195	0	199	0	0	0	0	0	130	0	155	116	134	0	171	107	150	0	154	147	137	0	142	135	0	0	0	0	0	0	0	0
700	77	0	82	0	201	0	209	0	0	0	0	0	129	0	156	114	132	0	159	105	150	0	153	144	137	0	142	133	0	0	0	0	0	0	0	0
800	81	0	79	0	192	0	198	0	0	0	0	0	134	0	163	100	134	0	208	98	154	0	179	149	146	0	154	135	0	0	0	0	0	0	0	0
900	71	0	73	0	141	0	144	0	0	0	0	0	129	0	176	100	132	0	191	96	155	0	169	137	142	0	153	124	0	0	0	0	0	0	0	0
1000	62	0	64	0	120	0	115	0	0	0	0	0	150	0	253	91	150	0	243	90	170	0	209	145	158	0	192	129	0	0	0	0	0	0	0	0
1100	52	0	50	0	147	0	94	0	0	0	0	0	175	0	245	117	173	0	253	92	182	0	224	132	168	0	198	134	0	0	0	0	0	0	0	0
1200	54	0	51	0	95	0	97	0	0	0	0	0	174	0	253	94	177	0	265	99	187	0	251	122	171	0	212	95	0	0	0	0	0	0	0	0
1300	52	0	50	0	99	0	94	0	0	0	0	0	160	0	256	95	158	0	248	92	170	0	212	127	156	0	214	117	0	0	0	0	0	0	0	0
1400	64	0	68	0	124	0	128	0	0	0	0	0	134	0	173	75	136	0	213	92	155	0	190	128	142	0	155	123	0	0	0	0	0	0	0	0
1500	57	0	61	0	114	0	113	0	0	0	0	0	143	0	203	90	142	0	230	96	155	0	185	119	143	0	170	112	0	0	0	0	0	0	0	0
1600	54	0	52	0	109	0	105	0	0	0	0	0	155	0	261	94	158	0	252	190	174	0	210	135	160	0	198	157	0	0	0	0	0	0	0	0
1700	51	0	54	0	115	0	118	0	0	0	0	0	133	0	175	86	140	0	216	101	161	0	187	137	146	0	172	125	0	0	0	0	0	0	0	0
1800	47	0	54	0	104	0	103	0	0	0	0	0	127	0	152	114	130	0	169	95	155	0	168	146	144	0	154	132	0	0	0	0	0	0	0	0
1900	53	0	51	0	135	0	141	0	0	0	0	0	137	0	181	98	138	0	191	90	161	0	180	151	148	0	162	141	0	0	0	0	0	0	0	0
2000	67	0	68	0	155	0	162	0	0	0	0	0	135	0	180	98	137	0	187	93	161	0	181	147	147	0	162	127	0	0	0	0	0	0	0	0
2100	70	0	70	0	144	0	150	0	0	0	0	0	133	0	175	105	139	0	198	96	160	0	179	147	147	0	166	129	0	0	0	0	0	0	0	0
2200	71	0	72	0	158	0	162	0	0	0	0	0	133	0	181	95	139	0	178	69	154	0	172	136	142	0	157	129	0	0	0	0	0	0	0	0
2300	72	0	71	0	143	0	142	0	0	0	0	0	154	0	218	100	151	0	249	92	169	0	198	139	154	0	180	129	0	0	0	0	0	0	0	0
2400	67	0	62	0	147	0	135	0	0	0	0	0	163	0	220	99	158	0	256	91	179	0	197	156	164	0	185	149	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	455	0	448	0	513	0	507	0	320	0	320	0	58	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	430	0	423	0	514	0	513	0	320	0	320	0	83	0	90	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	414	0	436	0	515	0	511	0	320	0	320	0	103	0	104	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	406	0	399	0	514	0	513	0	320	0	320	0	112	0	113	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	405	0	397	0	516	0	511	0	320	0	320	0	112	0	113	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	405	0	397	0	515	0	507	0	320	0	320	0	108	0	110	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	415	0	408	0	469	0	484	0	320	0	320	0	74	0	76	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	453	0	446	0	477	0	473	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	491	0	484	0	456	0	480	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	547	0	540	0	523	0	520	0	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	590	0	585	0	567	0	563	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	649	0	644	0	619	0	615	0	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	653	0	648	0	628	0	622	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	663	0	655	0	642	0	639	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	678	0	673	0	664	0	660	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	687	0	682	0	676	0	675	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	675	0	667	0	676	0	671	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	649	0	642	0	664	0	658	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	622	0	615	0	639	0	633	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	615	0	608	0	626	0	622	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	603	0	601	0	615	0	608	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	594	0	586	0	594	0	592	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	583	0	577	0	586	0	583	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	572	0	565	0	577	0	572	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND MIN 50 A S	WIND MAX 50 A S	WIND DIR2	WIND MIN 150A S	WIND MAX 150A S	WIND DIR3	WIND MIN 150B S	WIND MAX 150B S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6
100	67 3	65 0	152 1	147 0	0 0	0 0	153 3	229	93	150 0	220	94	172 0	132	195	158 0	196	128	0 0	0	0	0 0
200	61 3	56 0	143 0	142 0	0 0	0 0	147 3	197	108	145 0	196	90	171 3	191	144	157 0	179	130	0 0	0	0	0 0
300	72 3	73 0	148 1	154 0	0 0	0 0	152 3	191	99	150 0	238	97	174 0	215	157	160 0	176	140	0 0	0	0	0 0
400	82 0	84 0	166 0	146 0	0 0	0 0	163 3	244	96	164 0	258	103	179 0	205	143	165 0	196	145	0 0	0	0	0 0
500	63 3	59 0	143 0	123 0	0 0	0 0	168 3	262	97	166 0	260	92	173 3	213	152	163 0	202	119	0 0	0	0	0 0
600	72 3	56 0	145 0	125 0	0 0	0 0	173 3	226	99	168 0	230	109	185 0	219	163	171 0	211	150	0 0	0	0	0 0
700	70 3	66 0	141 0	132 0	0 0	0 0	183 3	203	98	160 0	229	96	179 0	204	156	165 0	194	139	0 0	0	0	0 0
800	77 3	75 0	174 3	161 0	0 0	0 0	166 3	216	101	164 0	255	90	180 0	205	154	165 0	183	142	0 0	0	0	0 0
900	63 3	63 0	149 0	132 0	0 0	0 0	179 3	246	110	169 0	263	103	182 0	208	153	168 0	192	148	0 0	0	0	0 0
1000	72 3	63 0	151 3	126 0	0 0	0 0	188 3	253	107	184 0	259	99	194 0	238	147	179 0	213	136	0 0	0	0	0 0
1100	52 3	45 0	101 3	86 0	0 0	0 0	210 3	262	146	206 0	256	137	207 0	255	176	191 0	234	164	0 0	0	0	0 0
1200	51 3	47 3	53 3	75 3	0 0	0 0	210 3	262	95	209 0	269	119	204 0	262	130	190 0	260	130	0 0	0	0	0 0
1300	62 3	55 0	98 3	80 0	0 0	0 0	233 3	294	134	229 0	292	138	225 0	271	196	209 0	253	174	0 0	0	0	0 0
1400	48 0	41 0	84 0	75 0	0 0	0 0	195 3	259	117	191 0	269	106	193 0	238	153	182 0	220	126	0 0	0	0	0 0
1500	46 0	42 0	63 0	59 0	0 0	0 0	239 3	293	181	238 0	315	142	215 0	243	156	199 0	235	157	0 0	0	0	0 0
1600	40 0	34 0	79 0	70 0	0 0	0 0	202 3	261	94	201 0	269	109	204 0	235	172	186 0	213	106	0 0	0	0	0 0
1700	41 0	35 0	86 0	76 0	0 0	0 0	205 3	251	141	200 0	267	112	205 0	225	180	189 0	209	157	0 0	0	0	0 0
1800	52 3	48 0	122 3	108 0	0 0	0 0	206 3	259	116	206 0	259	98	210 0	227	186	194 0	214	171	0 0	0	0	0 0
1900	67 0	58 0	134 0	125 0	0 0	0 0	211 3	250	174	209 0	269	155	220 0	246	199	204 0	228	187	0 0	0	0	0 0
2000	105 0	97 0	166 0	171 0	0 0	0 0	235 3	273	207	233 0	302	180	231 0	259	199	213 0	243	190	0 0	0	0	0 0
2100	113 3	119 0	185 0	196 0	0 0	0 0	244 3	265	213	242 0	291	199	245 0	260	217	227 0	244	203	0 0	0	0	0 0
2200	169 0	161 0	231 0	235 0	0 0	0 0	307 3	330	283	300 0	337	251	317 0	323	299	294 0	304	275	0 0	0	0	0 0
2300	143 3	134 0	220 0	223 0	0 0	0 0	320 3	353	240	316 0	47	271	333 0	8	290	310 0	347	276	0 0	0	0	0 0
2400	153 3	146 0	215 0	216 0	0 0	0 0	313 3	336	285	306 0	335	269	326 0	343	314	303 0	316	294	0 0	0	0	0 0

	AMB. TEMP1 30 A S	AMB. TEMP2 30 B S	AMB. TEMP3 150A S	AMB. TEMP4 150B S	AMB. TEMP5 S	AMB. TEMP6 S	D.T. 1 1804 S	D.T. 2 1808 S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	561 0	554 0	567 0	563 0	320 0	320 0	5 3	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	557 0	552 0	561 0	556 0	323 0	320 0	4 3	4 0	0 0	0 0	323 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	557 0	552 0	559 0	556 0	320 0	320 0	0 3	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	554 0	549 0	552 0	549 0	323 0	320 0	0 3	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	536 0	529 0	531 0	532 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	543 3	532 0	540 0	534 0	320 0	320 0	3 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	536 0	531 0	534 0	529 0	320 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	532 0	525 0	531 0	525 0	323 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	541 0	534 0	535 0	531 0	320 0	320 0	-5 3	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1000	565 0	559 0	562 0	557 0	323 0	320 0	-11 3	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 3	1 0
1100	592 0	585 0	588 0	583 0	320 0	320 0	-25 3	-22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1200	632 0	633 0	605 3	603 0	320 0	320 0	-31 3	-31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1300	630 0	624 0	613 0	616 0	320 0	320 0	-16 3	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1400	637 0	631 0	617 3	612 0	320 0	320 0	-20 3	-20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1500	644 0	639 0	621 3	617 0	320 0	320 0	-22 3	-22 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1600	633 0	629 0	606 3	601 0	320 0	320 0	-23 3	-23 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1700	605 0	601 0	594 0	590 0	320 0	320 0	-11 3	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1800	583 0	577 0	592 0	586 0	323 0	320 0	7 3	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1900	585 0	577 0	599 0	589 0	320 0	320 0	9 3	11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2000	597 3	592 0	597 0	592 0	320 0	320 0	0 3	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2100	585 0	577 0	595 0	579 0	320 0	320 0	0 3	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2200	581 0	576 0	581 0	576 0	323 0	320 0	2 3	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2300	547 3	543 0	541 0	536 0	323 0	320 0	-5 3	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2400	522 0	523 0	522 0	518 0	320 0	320 0	-7 3	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	153	0	148	0	203	0	204	0	3	0	0	0	310	0	333	287	305	0	339	267	329	0	336	310	297	0	327	287	0	0	0	0	0	0	0
200	131	0	134	0	183	0	190	0	0	0	0	0	312	0	352	280	306	0	348	253	325	0	341	305	302	0	324	275	0	0	0	0	0	0	0
300	123	0	120	0	186	0	184	0	0	0	0	0	320	0	349	288	316	0	62	271	333	0	3	285	311	0	342	295	0	0	0	0	0	0	0
400	107	0	134	0	163	0	165	0	0	0	0	0	323	0	2	285	315	0	355	255	334	0	358	312	310	0	338	278	0	0	0	0	0	0	0
500	84	0	81	0	129	0	128	0	0	0	0	0	336	0	29	282	336	0	37	272	348	0	16	327	326	0	4	302	0	0	0	0	0	0	0
600	83	0	84	0	130	0	129	0	0	0	0	0	341	0	48	298	335	0	47	275	345	0	12	303	322	0	0	287	0	0	0	0	0	0	0
700	75	0	70	0	115	0	114	0	0	0	0	0	348	0	37	282	343	0	36	271	353	0	20	316	331	0	1	274	0	0	0	0	0	0	0
800	73	0	69	0	114	0	112	0	0	0	0	0	353	0	33	301	347	0	39	288	1	0	29	335	338	0	13	309	0	0	0	0	0	0	0
900	46	0	43	0	68	0	67	0	0	0	0	0	9	0	82	305	6	0	100	280	4	0	62	291	345	0	58	278	0	0	0	0	0	0	0
1000	30	0	32	0	42	0	42	0	0	0	0	0	13	0	130	288	5	0	155	276	1	0	59	300	342	0	54	291	0	0	0	0	0	0	0
1100	45	0	45	0	61	0	63	0	0	0	0	0	316	0	42	271	308	0	354	226	328	0	1	299	304	0	329	256	0	0	0	0	0	0	0
1200	64	0	61	0	75	0	77	0	0	0	0	0	301	0	335	266	294	0	337	249	304	0	326	281	281	0	301	260	0	0	0	0	0	0	0
1300	58	2	56	2	71	2	72	2	0	0	0	0	303	2	332	271	295	2	357	258	307	2	321	291	285	2	301	272	0	0	0	0	0	0	0
1400	53	0	58	0	79	0	75	0	0	0	0	0	274	0	334	221	270	0	356	217	289	0	328	238	268	0	302	238	0	0	0	0	0	0	0
1500	64	0	63	0	84	0	91	0	0	0	0	0	307	0	343	259	302	0	348	232	316	0	341	302	293	0	312	280	0	0	0	0	0	0	0
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2
2000	46	0	44	0	71	0	71	0	0	0	0	0	27	0	50	352	21	0	56	354	8	0	29	345	348	0	14	325	0	0	0	0	0	0	0
2100	46	0	44	0	74	0	74	0	0	0	0	0	22	0	60	351	17	0	65	339	8	0	39	341	347	0	15	324	0	0	0	0	0	0	0
2200	50	0	50	0	53	0	61	0	0	0	0	0	96	0	112	74	94	0	116	72	67	0	85	53	49	0	66	32	0	0	0	0	0	0	0
2300	45	0	46	0	62	0	63	0	0	0	0	0	119	0	135	106	120	0	136	107	87	0	92	79	70	0	77	62	0	0	0	0	0	0	0
2400	48	2	47	2	55	2	57	2	0	0	0	0	119	2	132	104	121	2	136	105	88	2	95	79	71	2	79	62	0	0	0	0	0	0	0

	AMB. TEMP1 50 A	S	AMB. TEMP2 50 B	S	AMB. TEMP3 150A	S	AMB. TEMP4 150B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	514	0	509	0	507	0	502	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	503	0	500	0	498	0	493	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	504	0	498	0	496	0	491	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	502	0	495	0	496	0	489	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	487	0	484	0	484	0	480	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	487	0	480	0	484	0	478	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	487	0	480	0	482	0	477	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	495	0	459	0	459	0	434	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	513	0	507	0	505	0	502	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	535	0	531	0	523	0	518	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	552	0	545	0	527	0	523	0	320	0	320	0	-25	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	552	0	545	0	523	0	522	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	572	2	567	2	531	2	527	2	320	0	320	0	-43	2	-38	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	554	0	550	0	531	0	529	0	320	0	320	0	-23	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	574	0	570	0	527	0	523	0	320	0	320	0	-47	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	480	0	475	0	471	0	467	0	320	0	320	0	11	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	477	0	469	0	467	0	462	0	320	0	320	0	11	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	443	0	439	0	473	0	473	0	320	0	320	0	31	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	446	0	439	0	480	0	477	0	320	0	320	0	34	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	442	2	435	2	482	2	478	2	320	0	320	0	40	2	43	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	59	0	58	0	92	0	92	0	1	0	0	0	93	0	107	90	97	0	111	91	97	0	69	85	69	0	73	56	0	0	0	0	0	0
200	75	0	71	0	112	0	114	0	0	0	0	0	123	0	135	113	124	0	137	114	111	0	119	102	96	0	104	86	0	0	0	0	0	0
300	65	0	64	0	114	0	125	0	0	0	0	0	111	0	121	83	114	0	128	81	105	0	116	99	89	0	100	54	0	0	0	0	0	0
400	71	0	64	0	133	0	142	0	0	0	0	0	115	0	123	106	116	0	133	96	116	0	122	111	101	0	107	95	0	0	0	0	0	0
500	71	0	68	0	151	0	155	0	0	0	0	0	102	0	122	94	111	0	131	74	111	0	117	106	95	0	100	88	0	0	0	0	0	0
600	81	0	80	0	141	0	141	0	0	0	0	0	95	0	104	80	93	0	112	60	93	0	101	97	82	0	84	79	0	0	0	0	0	0
700	75	0	76	0	155	0	159	0	0	0	0	0	100	1	115	86	101	0	131	81	102	0	107	101	87	0	88	80	0	0	0	0	0	0
800	66	0	63	0	147	0	150	0	0	0	0	0	103	0	115	67	104	0	128	76	108	0	111	104	92	0	95	88	0	0	0	0	0	0
900	63	1	53	0	105	0	106	0	0	0	0	0	107	0	130	82	108	0	137	77	107	0	134	82	92	0	116	67	0	0	0	0	0	0
1000	67	0	63	0	89	0	94	0	0	0	0	0	106	0	133	69	104	0	155	64	106	0	140	85	90	0	130	69	0	0	0	0	0	0
1100	93	1	92	0	124	1	129	0	1	0	0	0	93	0	135	57	97	0	164	51	99	0	130	58	81	0	113	42	0	0	0	0	0	0
1200	71	0	69	0	101	0	101	0	0	0	0	0	93	0	134	65	93	0	175	35	101	0	156	78	83	0	130	51	0	0	0	0	0	0
1300	73	1	79	0	104	0	113	0	0	0	0	0	86	0	129	26	95	0	147	13	83	0	120	28	70	0	105	32	0	0	0	0	0	0
1400	63	0	70	0	92	0	102	0	0	0	0	0	83	0	138	42	82	0	162	12	86	0	154	42	70	0	142	26	0	0	0	0	0	0
1500	62	1	52	0	87	0	92	0	0	0	0	0	94	1	129	28	96	0	147	35	85	0	143	53	70	0	125	32	0	0	0	0	0	0
1600	73	0	72	0	108	0	110	0	0	0	0	0	37	0	95	0	29	0	92	338	31	0	70	2	10	0	54	338	0	0	0	0	0	0
1700	75	0	73	0	93	0	98	0	0	0	0	0	28	0	63	13	23	0	90	1	32	0	53	14	12	0	31	356	0	0	0	0	0	0
1800	91	0	88	0	126	0	123	0	0	0	0	0	35	0	72	17	28	0	51	0	37	0	50	25	17	0	32	1	0	0	0	0	0	0
1900	65	0	70	0	108	0	120	0	0	0	0	0	50	1	69	33	46	0	83	8	50	0	63	33	32	0	49	17	0	0	0	0	0	0
2000	56	0	65	0	105	0	122	0	0	0	0	0	60	0	87	42	55	0	84	26	55	0	68	47	36	0	47	23	0	0	0	0	0	0
2100	76	0	77	0	124	0	136	0	1	0	0	0	83	1	102	65	82	0	106	54	75	0	89	66	57	0	64	44	0	0	0	0	0	0
2200	92	0	90	0	153	0	162	0	0	0	0	0	93	1	109	83	91	0	112	74	84	0	88	81	66	0	70	61	0	0	0	0	0	0
2300	85	0	82	0	176	0	175	0	0	0	0	0	109	0	115	87	103	0	130	82	106	0	109	102	96	0	94	86	0	0	0	0	0	0
2400	77	0	73	0	150	0	155	0	0	0	0	0	112	0	125	100	112	0	133	79	119	0	125	115	104	0	107	100	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	450	0	442	0	478	0	475	0	320	0	320	0	31	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	430	0	426	0	468	0	464	0	320	0	320	0	36	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	426	0	419	0	462	0	459	0	320	0	320	0	36	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	415	0	408	0	451	0	446	0	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	412	0	406	0	457	0	448	0	320	0	320	0	40	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	419	0	412	0	457	0	453	0	320	0	320	0	38	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	419	0	409	0	451	0	446	0	321	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	410	0	405	0	444	0	439	0	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	410	0	403	0	444	0	439	0	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	464	0	459	0	454	1	444	0	321	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	523	0	520	0	502	0	496	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	550	0	547	0	532	0	523	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	594	0	594	0	563	0	565	0	320	0	320	0	-26	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	610	0	608	0	577	0	574	0	320	0	320	0	-31	1	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	613	0	612	0	566	0	583	0	320	0	320	0	-27	1	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	583	1	579	0	565	1	559	0	320	0	320	0	-20	1	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	559	0	556	0	554	1	550	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	536	0	532	0	532	0	527	0	320	0	320	0	-5	1	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	511	0	509	0	522	0	516	0	320	0	320	0	11	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	487	0	492	0	513	0	509	0	320	0	320	0	25	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	484	0	477	0	502	0	496	0	321	0	320	0	13	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	462	0	454	0	482	1	476	0	320	0	320	0	20	1	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	450	0	442	0	496	0	491	0	320	0	320	0	45	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	449	0	439	0	484	1	480	0	320	0	320	0	40	1	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	79	0	74	0	162	0	162	0	0	0	0	0	111	0	123	99	112	0	137	84	125	0	131	120	109	0	112	104	0	0	0	0	0	1
200	64	0	56	0	134	0	135	0	0	0	0	0	127	0	139	113	129	0	142	113	139	0	143	136	124	0	129	122	0	0	0	0	0	0
300	73	0	73	0	153	0	142	0	0	0	0	0	118	0	121	111	119	0	130	98	130	0	132	127	116	0	118	113	0	0	0	0	0	0
400	84	0	81	0	164	0	169	0	0	0	0	0	113	0	122	96	110	0	140	82	121	0	125	119	107	0	108	103	0	0	0	0	0	0
500	104	0	97	0	193	0	203	0	0	0	0	0	112	0	128	88	113	0	138	74	120	0	125	112	105	0	108	97	0	0	0	0	0	0
600	75	0	76	0	135	0	135	0	0	0	0	0	97	0	114	81	96	0	126	68	95	0	100	92	79	0	84	77	0	0	0	0	0	0
700	87	0	88	0	157	0	154	0	0	0	0	0	99	0	116	77	98	0	124	75	93	0	105	89	82	0	88	72	0	0	0	0	0	0
800	88	0	91	0	145	0	143	0	0	0	0	0	110	0	125	93	110	0	137	79	106	0	120	97	90	0	98	76	0	0	0	0	0	0
900	82	0	80	0	138	0	150	0	0	0	0	0	106	0	130	78	104	0	138	71	106	0	130	86	90	0	112	73	0	0	0	0	0	0
1000	112	0	105	0	161	0	157	0	0	0	0	0	103	0	122	79	97	0	141	51	101	0	121	71	84	0	111	63	0	0	0	0	0	0
1100	97	0	93	0	136	0	137	0	0	0	0	0	103	0	152	77	107	0	158	71	115	0	145	100	98	0	124	93	0	0	0	0	0	0
1200	97	0	93	0	142	0	142	0	0	0	0	0	97	0	124	74	97	0	137	38	103	0	141	90	87	0	123	56	0	0	0	0	0	0
1300	80	0	75	0	115	0	107	0	0	0	0	0	101	0	133	74	101	0	133	67	102	0	127	76	87	0	115	64	0	0	0	0	0	0
1400	77	0	75	0	111	0	113	0	0	0	0	0	92	0	130	56	89	0	134	34	90	0	116	51	74	0	101	40	0	0	0	0	0	0
1500	73	0	75	0	105	0	108	0	0	0	0	0	95	0	115	79	95	0	123	51	100	0	122	85	84	0	107	63	0	0	0	0	0	0
1600	93	0	88	0	135	0	134	0	0	0	0	0	97	0	113	83	95	0	131	60	97	0	116	85	81	0	97	68	0	0	0	0	0	0
1700	92	0	90	0	134	0	134	0	0	0	0	0	97	0	115	78	97	0	136	69	97	0	113	86	80	0	96	63	0	0	0	0	0	0
1800	111	0	105	0	158	0	156	0	0	0	0	0	96	0	120	71	96	0	126	66	94	0	109	76	78	0	91	60	0	0	0	0	0	0
1900	148	0	143	0	205	0	203	0	0	0	0	0	97	0	120	64	96	0	132	59	95	0	115	75	80	0	99	51	0	0	0	0	0	0
2000	151	0	144	0	218	0	223	0	0	0	0	0	105	0	125	81	108	0	138	69	107	0	126	90	93	0	124	73	0	0	0	0	0	0
2100	151	0	140	0	219	0	224	0	0	0	0	0	108	0	125	87	111	0	146	75	110	0	126	99	98	0	114	78	0	0	0	0	0	0
2200	149	0	140	0	208	0	214	0	0	0	0	0	112	0	123	89	113	0	153	74	113	0	136	85	101	0	121	73	0	0	0	0	0	0
2300	167	0	162	0	219	0	221	0	0	0	0	0	116	0	135	93	119	0	148	71	118	0	135	97	104	0	122	77	0	0	0	0	0	0
2400	135	0	129	0	193	0	200	0	0	0	0	0	111	0	131	94	113	0	152	68	112	0	132	95	98	0	116	77	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	442	0	435	0	486	0	480	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	432	0	426	0	466	0	477	0	320	0	320	0	49	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	441	0	433	0	487	0	494	0	320	0	320	0	49	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	424	0	419	0	477	0	475	0	320	0	320	0	54	0	56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	430	0	424	0	471	0	468	0	320	0	320	0	41	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	417	0	414	0	433	0	430	0	320	0	320	0	16	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	423	0	415	0	433	0	426	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	430	0	426	0	433	0	426	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	447	0	441	0	439	0	433	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	464	0	459	0	453	0	446	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	484	0	480	0	475	0	469	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	495	0	491	0	486	0	480	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	502	0	496	0	493	0	486	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	504	0	500	0	495	0	489	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	495	0	491	0	489	0	486	0	320	0	320	0	-7	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	477	0	473	0	475	0	471	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	473	0	468	0	471	0	466	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	466	0	462	0	464	0	460	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	464	0	459	0	459	0	455	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	451	0	446	0	444	0	441	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	453	0	448	0	446	0	442	0	320	0	320	0	-7	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	455	0	450	0	445	0	442	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	453	0	448	0	444	0	441	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	444	0	442	0	441	0	437	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND DIR2 MIN	MAX	S	WIND DIR3 MIN	MAX	150A S	WIND DIR4 MIN	MAX	150B S	WIND DIR5 MIN	MAX	S	WIND DIR6 MIN	MAX	S
100	126 0	116 0	172 0	131 0	0 0	0 0	105 0	128	73	105 0	137	74	102 0	131	84	95 0	116	77	0 0	0	0	0
200	130 0	116 0	177 0	131 0	0 0	0 0	110 0	130	88	110 0	141	79	108 0	130	89	94 0	118	75	0 0	0	0	0
300	152 0	143 0	206 0	228 0	0 0	0 0	103 0	128	84	110 0	141	74	110 0	129	93	97 0	119	70	0 0	0	0	0
400	130 0	121 0	194 0	197 0	0 0	0 0	106 0	129	82	108 0	145	79	111 0	141	90	97 0	122	73	0 0	0	0	0
500	122 0	113 0	176 0	173 0	0 0	0 0	103 0	128	81	103 0	141	70	106 0	127	85	92 0	109	74	0 0	0	0	0
600	115 0	110 0	162 0	150 0	0 0	0 0	105 0	129	80	107 0	144	58	111 0	136	85	96 0	122	73	0 0	0	0	0
700	125 0	114 0	181 0	172 0	0 0	0 0	104 0	133	71	112 0	148	77	108 0	127	90	95 0	117	80	0 0	0	0	0
800	121 0	114 0	180 0	131 0	0 0	0 0	97 0	122	77	97 0	141	46	99 0	126	72	85 0	107	68	0 0	0	0	0
900	115 0	114 0	173 0	177 0	0 0	0 0	94 0	129	82	96 0	139	55	103 0	129	74	98 0	119	69	0 0	0	0	0
1000	121 0	119 0	170 0	165 0	0 0	0 0	102 0	123	77	103 0	147	55	104 0	130	63	91 0	115	53	0 0	0	0	0
1100	111 0	107 0	164 0	164 0	0 0	0 0	105 0	128	82	106 0	141	63	107 0	126	82	91 0	116	55	0 0	0	0	0
1200	113 0	105 0	165 0	157 0	0 0	0 0	97 0	116	75	98 0	131	61	97 0	119	79	84 0	108	52	0 0	0	0	0
1300	106 0	102 0	147 0	144 0	0 0	0 0	95 0	124	72	96 0	135	59	92 0	120	75	77 0	102	55	0 0	0	0	0
1400	112 0	111 0	162 0	170 0	0 0	0 0	93 0	115	70	90 0	121	42	87 0	108	64	72 0	91	43	0 0	0	0	0
1500	111 0	120 0	160 0	156 0	0 0	0 0	73 0	105	41	74 0	117	32	72 0	91	52	57 0	87	41	0 0	0	0	0
1600	125 0	124 0	175 0	136 0	0 0	0 0	85 0	125	58	87 0	133	35	84 0	116	67	58 0	88	54	0 0	0	0	0
1700	97 0	95 0	141 0	148 0	0 0	0 0	87 0	112	44	96 0	139	14	84 0	103	63	70 0	89	54	0 0	0	0	0
1800	115 0	114 0	163 0	172 0	0 0	0 0	87 0	117	70	85 0	131	42	82 0	105	65	66 0	84	53	0 0	0	0	0
1900	119 0	116 0	168 0	136 0	0 0	0 0	82 0	112	71	87 0	125	63	86 0	109	68	71 0	89	55	0 0	0	0	0
2000	130 0	130 0	194 0	198 0	0 0	0 0	91 0	119	68	93 0	124	57	91 0	116	70	76 0	100	62	0 0	0	0	0
2100	134 0	130 0	191 0	122 0	0 0	0 0	95 0	116	77	94 0	126	46	93 0	110	77	78 0	95	55	0 0	0	0	0
2200	145 0	139 0	207 0	209 0	0 0	0 0	97 0	121	75	98 0	127	64	96 0	114	84	81 0	101	62	0 0	0	0	0
2300	133 0	128 0	198 0	129 0	0 0	0 0	101 0	127	82	104 0	137	60	101 0	127	80	88 0	133	71	0 0	0	0	0
2400	134 0	127 0	137 0	137 0	0 0	0 0	105 0	131	80	107 0	140	67	108 0	126	90	94 0	118	74	0 0	0	0	0

	AMB. TEMP1 30 A S	AMB. TEMP2 30 B S	AMB. TEMP3 150A S	AMB. TEMP4 150B S	AMB. TEMP5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	444 0	439 0	435 0	432 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	441 0	435 0	432 0	428 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	437 0	432 0	426 0	426 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	432 0	426 0	424 0	421 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	432 0	426 0	423 0	419 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	433 0	426 0	424 0	419 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	433 0	426 0	424 0	419 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	433 0	428 0	426 0	421 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	437 0	433 0	430 0	424 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1000	442 0	437 0	435 0	422 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1100	441 0	437 0	435 0	430 0	320 0	320 0	-7 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1200	442 0	439 0	437 0	435 0	320 0	320 0	-4 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1300	453 0	448 0	450 0	444 0	320 0	320 0	-5 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1400	460 0	455 0	455 0	450 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1500	453 0	448 0	451 0	446 0	320 0	320 0	-2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1600	443 0	442 0	445 0	441 0	320 0	320 0	-2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1700	444 0	441 0	442 0	437 0	320 0	320 0	-2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1800	442 0	435 0	441 0	437 0	320 0	320 0	1 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1900	437 0	433 0	437 0	433 0	320 0	320 0	3 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2000	439 0	433 0	437 0	433 0	320 0	320 0	3 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2100	441 0	435 0	441 0	435 0	320 0	320 0	3 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2200	455 0	450 0	453 0	450 0	320 0	320 0	3 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2300	467 0	466 0	466 0	460 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2400	473 0	469 0	469 0	466 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	50 B	S	WIND SPD3 150A	S	150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	132	0	134	0	203	0	205	0	0	0	0	0	93	1	112	72	98	0	129	65	103	0	127	83	98	0	121	74	0	0	0	0	0	0
200	129	0	128	0	196	1	197	0	0	0	0	0	97	1	116	75	97	0	143	43	101	0	114	87	96	0	110	72	0	0	0	0	0	0
300	134	0	127	0	194	0	192	0	0	0	0	0	106	1	129	77	107	0	149	71	109	0	124	90	93	0	118	70	0	0	0	0	0	0
400	141	0	137	0	207	1	214	0	0	0	0	0	107	1	129	78	109	0	140	71	110	0	132	77	98	0	122	77	0	0	0	0	0	0
500	154	0	149	0	225	0	224	0	0	0	0	0	110	1	129	93	110	0	140	83	111	0	130	85	98	0	115	71	0	0	0	0	0	0
600	145	0	137	0	214	0	217	0	0	0	0	0	109	1	129	90	107	0	148	75	110	0	134	91	96	0	118	56	0	0	0	0	0	0
700	144	0	137	0	203	0	205	0	0	0	0	0	113	1	138	90	112	0	141	81	112	0	130	94	98	0	111	72	0	0	0	0	0	0
800	145	0	136	0	203	0	205	0	0	0	0	0	111	1	129	90	109	0	133	59	112	0	138	89	99	0	122	77	0	0	0	0	0	0
900	162	0	153	0	214	0	205	0	0	0	0	0	113	1	139	102	122	0	156	84	121	0	140	103	108	0	130	79	0	0	0	0	0	0
1000	162	0	153	0	207	0	208	0	0	0	0	0	114	1	133	89	115	0	142	65	118	0	137	93	106	0	130	56	0	0	0	0	0	0
1100	151	0	150	0	200	0	211	0	0	0	0	0	116	1	138	93	119	0	152	74	122	0	142	89	110	0	130	67	0	0	0	0	0	0
1200	143	0	146	0	183	0	187	0	0	0	0	0	113	1	136	88	121	0	175	80	121	0	151	91	108	0	156	60	0	0	0	0	0	0
1300	166	0	157	0	222	0	230	0	0	0	0	0	113	1	135	85	116	0	146	79	118	0	143	86	106	0	139	73	0	0	0	0	0	0
1400	171	0	162	0	223	0	232	0	0	0	0	0	114	1	146	89	117	0	154	85	117	0	137	81	106	0	129	76	0	0	0	0	0	0
1500	163	0	161	0	224	0	231	0	0	0	0	0	110	1	139	77	114	0	146	73	117	0	152	91	105	0	131	75	0	0	0	0	0	0
1600	161	0	153	0	205	0	208	0	0	0	0	0	112	1	136	90	115	0	159	95	117	0	141	85	105	0	126	81	0	0	0	0	0	0
1700	137	0	134	0	183	0	185	0	0	0	0	0	115	1	138	82	115	0	149	46	119	0	154	97	105	0	132	84	0	0	0	0	0	0
1800	136	0	129	0	184	0	184	0	0	0	0	0	115	1	135	83	115	0	150	85	118	0	143	98	104	0	130	84	0	0	0	0	0	0
1900	175	0	167	0	235	0	238	0	0	0	0	0	116	1	139	63	118	0	157	60	121	0	161	90	106	0	133	73	0	0	0	0	0	0
2000	145	0	133	0	201	0	202	0	0	0	0	0	111	0	130	83	114	0	145	77	115	0	137	98	102	0	124	75	0	0	0	0	0	0
2100	162	0	155	0	236	0	241	0	0	0	0	0	111	0	137	70	114	0	153	65	116	0	132	95	102	0	122	75	0	0	0	0	0	0
2200	161	0	158	0	216	0	226	0	0	0	0	0	113	0	137	99	122	0	158	79	124	0	147	108	111	0	135	94	0	0	0	0	0	0
2300	186	0	176	0	241	0	253	0	0	0	0	0	118	0	134	96	120	0	151	81	126	0	153	110	114	0	133	100	0	0	0	0	0	0
2400	193	0	186	0	245	0	255	0	0	0	0	0	119	0	143	101	121	0	143	83	127	0	146	113	114	0	133	97	0	0	0	0	0	0

	AMB. TEM1 50 A	S	30 B	S	AMB. TEM2 180A	S	180B	S	AMB. TEM3	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	180A	S	180B	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	471	0	466	0	463	0	464	0	320	0	320	0	-4	0	0	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	466	0	462	0	462	0	459	0	320	0	320	0	-4	0	0	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	473	0	469	0	469	0	466	0	320	0	320	0	-4	1	2	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	482	0	477	0	476	0	473	0	320	0	320	0	-5	0	-2	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	478	0	475	0	475	0	471	0	320	0	320	0	-5	1	-4	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	480	0	477	0	475	0	473	0	320	0	320	0	-5	1	-4	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	487	0	484	0	482	0	478	0	320	0	320	0	-5	0	-4	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	491	0	487	0	484	0	478	0	320	0	320	0	-7	1	-7	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	493	0	495	0	493	0	486	0	320	0	320	0	-9	0	-7	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0
1000	513	0	509	0	504	0	496	0	320	0	320	0	-13	1	-11	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	6
1100	522	0	518	0	511	0	507	0	320	0	320	0	-11	0	-9	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	534	0	531	0	522	0	518	0	320	0	320	0	-13	0	-13	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	554	0	550	0	536	0	532	0	320	0	320	0	-15	0	-16	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1400	554	0	550	0	543	0	538	0	320	0	320	0	-11	0	-11	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	6
1500	547	0	545	0	538	0	534	0	320	0	320	0	-9	1	-9	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	545	0	541	0	538	0	534	0	320	0	320	0	-9	1	-7	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	543	0	539	0	534	0	531	0	320	0	320	0	-7	1	-5	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	533	0	534	0	532	0	527	0	320	1	320	0	-7	0	-5	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	532	0	527	0	525	0	520	0	320	0	320	0	-7	0	-5	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	527	0	523	0	520	0	514	0	320	0	320	0	-7	0	-5	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	523	0	518	0	514	0	511	0	320	0	320	0	-7	0	-5	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	513	0	514	0	507	0	505	0	320	0	320	0	-7	1	-7	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	504	0	500	0	496	0	493	0	320	0	320	0	-7	1	-5	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	493	0	495	0	491	0	486	0	320	0	320	0	-7	1	-5	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 S		WIND DIR1	MIN 50 A S	MAX	WIND DIR2	MIN 150A S	MAX	WIND DIR3	MIN 150B S	MAX	WIND DIR4	MIN S	MAX	WIND DIR5	MIN S	MAX	WIND DIR6	MIN S	MAX
100	183	0	179	0	240	0	250	0	0	0	0	0	123	1	137	108	129	0	150	102	125	0	144	111	112	0	129	91	0	0	0	0	0	0
200	157	0	156	0	222	0	229	0	0	0	0	0	116	0	134	89	119	0	149	67	123	0	143	109	111	0	131	92	0	0	0	0	0	0
300	183	0	182	0	241	0	249	0	0	0	0	0	129	1	139	103	123	0	147	96	129	0	141	113	117	0	131	104	0	0	0	0	0	0
400	201	0	200	0	265	0	293	0	0	0	0	0	115	0	129	94	120	0	145	89	121	0	144	100	109	0	124	86	0	0	0	0	0	0
500	141	0	135	0	191	0	196	0	0	0	0	0	111	0	132	97	116	0	150	73	115	0	131	103	102	0	117	85	0	0	0	0	0	0
600	96	0	91	0	155	0	156	0	0	0	0	0	106	0	124	72	107	0	139	58	111	0	145	89	97	0	125	81	0	0	0	0	0	0
700	95	0	92	0	139	0	139	0	0	0	0	0	96	1	113	74	98	0	137	54	97	0	114	83	83	0	104	60	0	0	0	0	0	0
800	121	0	114	0	175	0	174	0	0	0	0	0	95	0	122	73	96	0	130	69	95	0	113	71	81	0	101	61	0	0	0	0	0	0
900	133	0	129	0	171	0	174	0	0	0	0	0	109	1	127	90	109	0	143	63	108	0	126	93	95	0	116	78	0	0	0	0	0	0
1000	134	0	130	0	183	0	188	0	0	0	0	0	111	1	136	77	114	0	147	78	119	0	131	101	100	0	120	93	0	0	0	0	0	0
1100	142	0	145	0	197	0	193	0	0	0	0	0	117	0	134	106	121	0	167	87	123	0	135	110	111	0	126	95	0	0	0	0	0	0
1200	123	0	128	0	169	0	177	0	0	0	0	0	117	0	130	103	122	0	150	95	125	0	140	113	113	0	128	98	0	0	0	0	0	0
1300	117	0	114	0	146	0	150	0	0	0	0	0	121	1	133	107	126	0	154	103	133	0	145	120	121	0	140	106	0	0	0	0	0	0
1400	85	0	98	0	123	0	133	0	0	0	0	0	124	0	161	108	127	0	158	91	140	0	151	128	128	0	142	115	0	0	0	0	0	0
1500	76	0	78	0	127	0	134	0	0	0	0	0	125	0	154	103	130	0	177	88	145	0	160	131	132	0	149	119	0	0	0	0	0	0
1600	64	0	63	0	130	0	121	0	0	0	0	0	160	0	213	125	162	0	243	103	175	0	203	145	163	0	192	134	0	0	0	0	0	0
1700	54	0	52	0	102	0	96	0	0	0	0	0	162	0	225	102	164	0	257	107	176	0	209	153	164	0	186	141	0	0	0	0	0	0
1800	52	0	53	0	105	0	109	0	0	0	0	0	150	0	217	93	150	0	199	96	166	0	190	146	155	0	170	126	0	0	0	0	0	0
1900	53	0	51	0	102	0	106	0	0	0	0	0	151	0	206	96	159	0	218	112	167	0	193	146	156	0	170	140	0	0	0	0	0	0
2000	55	0	56	0	107	0	113	0	0	0	0	0	141	0	204	100	144	0	207	98	164	0	193	144	153	0	176	135	0	0	0	0	0	0
2100	59	0	58	0	97	0	96	0	0	0	0	0	145	1	237	101	145	0	231	92	166	0	187	136	156	0	178	124	0	0	0	0	0	0
2200	37	0	40	0	94	0	85	0	0	0	0	0	180	1	247	108	175	0	266	105	184	0	226	149	170	0	207	120	0	0	0	0	0	0
2300	51	0	43	0	111	0	96	0	0	0	0	0	193	1	252	102	199	0	258	96	200	0	226	175	187	0	217	162	0	0	0	0	0	0
2400	67	0	62	0	112	0	104	0	0	0	0	0	221	0	262	153	217	0	265	113	216	0	249	178	200	0	237	152	0	0	0	0	0	0

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	493	0	489	0	485	0	432	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	492	0	486	0	484	0	430	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	491	0	487	0	486	0	482	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	491	0	487	0	486	0	482	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	493	0	489	0	487	0	486	0	328	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	493	0	489	0	487	0	484	0	328	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	491	0	487	0	486	0	482	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	493	0	489	0	487	0	484	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	501	0	495	0	493	0	489	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	504	0	500	0	498	0	493	0	329	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	514	0	511	0	507	0	504	0	329	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	527	0	523	0	522	0	516	0	329	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	543	0	540	0	536	0	532	0	329	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	557	0	556	0	554	0	550	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	574	0	570	0	570	0	567	0	329	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	595	0	592	0	592	0	586	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	595	0	590	0	590	0	585	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	591	1	586	0	585	0	581	0	329	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	583	0	583	0	581	0	579	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	585	0	581	0	579	1	576	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	583	0	577	0	576	0	572	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	581	0	576	0	575	1	572	0	329	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	581	0	577	0	576	0	572	0	329	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	577	0	574	0	573	0	567	0	329	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODES: DEFINITIONS - 0 EVALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6
100	80	0	39	0	131	0	139	0	0	0	0	0	243	0	272	222	240	0	279	211	243	0	258	233	237	0	235	214	0	0	0	0	0	0
200	77	0	70	0	137	0	145	0	0	0	0	0	229	0	262	191	228	0	267	190	232	0	248	209	217	0	229	198	0	0	0	0	0	0
300	49	0	49	0	97	0	98	0	0	0	0	0	231	0	263	200	231	0	277	185	227	0	253	202	215	0	234	192	0	0	0	0	0	0
400	95	0	89	0	147	0	156	0	0	0	0	0	232	0	277	194	230	0	275	195	233	0	243	207	218	0	236	193	0	0	0	0	0	0
500	76	0	74	0	114	0	125	0	0	0	0	0	237	0	285	194	237	0	284	154	238	0	260	196	223	0	244	196	0	0	0	0	0	0
600	55	0	43	0	85	0	97	0	0	0	0	0	218	0	265	189	216	0	284	185	222	0	241	192	209	0	221	176	0	0	0	0	0	0
700	22	0	22	0	34	0	35	0	0	0	0	0	213	0	269	95	219	3	269	91	257	0	323	212	244	0	300	216	0	0	0	0	0	0
800	47	0	43	0	70	0	70	0	0	0	0	0	349	0	33	291	343	0	51	287	2	0	13	351	343	0	36	321	0	0	0	0	0	0
900	91	0	87	0	137	0	133	0	0	0	0	0	27	1	46	358	24	0	70	354	29	0	52	7	13	0	126	356	0	0	0	0	0	0
1000	32	0	32	0	47	0	51	0	0	0	0	0	31	0	103	290	27	0	115	273	36	0	79	4	18	0	62	338	0	0	0	0	0	0
1100	65	0	66	0	100	0	99	0	0	0	0	0	24	0	50	352	19	0	79	340	26	0	45	1	7	0	18	338	0	0	0	0	0	0
1200	93	0	89	0	131	0	129	0	0	0	0	0	29	0	70	13	23	0	60	343	30	0	42	16	12	0	24	353	0	0	0	0	0	0
1300	78	0	75	0	114	0	113	0	0	0	0	0	28	0	57	4	24	0	99	357	29	0	49	10	11	0	89	350	0	0	0	0	0	0
1400	107	0	106	0	152	0	145	0	0	0	0	0	31	0	58	16	26	0	71	345	33	0	50	21	16	0	41	0	0	0	0	0	0	0
1500	93	0	88	0	121	0	119	0	0	0	0	0	31	1	54	15	29	0	82	358	36	0	62	14	18	0	41	359	0	0	0	0	0	0
1600	90	0	88	0	123	0	122	0	0	0	0	0	35	0	60	12	28	0	65	348	38	0	57	10	20	0	41	355	0	0	0	0	0	0
1700	80	0	87	0	115	0	125	0	0	0	0	0	48	0	81	19	48	0	105	7	50	0	68	27	33	0	63	19	0	0	0	0	0	0
1800	67	0	74	0	93	0	115	0	0	0	0	0	67	0	101	43	64	0	117	30	69	0	103	50	54	0	84	26	0	0	0	0	0	0
1900	77	0	90	0	107	0	123	0	0	0	0	0	61	0	89	35	57	0	105	24	66	0	106	39	51	0	91	22	0	0	0	0	0	0
2000	72	0	80	0	103	0	119	0	0	0	0	0	61	0	94	36	58	0	126	18	58	0	81	32	42	0	63	16	0	0	0	0	0	0
2100	57	0	61	0	83	0	104	0	0	0	0	0	71	0	96	34	68	0	137	13	69	0	101	41	52	0	77	25	0	0	0	0	0	0
2200	73	0	88	0	116	0	134	0	0	0	0	0	67	0	93	41	65	0	112	23	70	0	96	53	54	0	78	32	0	0	0	0	0	0
2300	85	0	94	0	139	0	147	0	0	0	0	0	72	0	106	37	71	0	122	13	73	0	102	53	57	0	84	21	0	0	0	0	0	0
2400	81	0	81	0	123	0	138	0	0	0	0	0	75	0	114	41	75	0	114	34	73	0	98	42	60	0	84	30	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	538	0	534	0	545	0	541	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	536	0	532	0	541	0	536	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	541	0	536	0	543	0	536	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	518	0	514	0	518	0	514	0	320	0	320	0	3	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	525	0	522	0	525	0	522	0	320	0	320	0	-3	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	529	0	525	0	527	0	523	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	536	0	532	0	536	0	532	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	538	0	532	0	534	0	531	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	527	0	525	0	522	0	520	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	532	0	529	0	523	0	522	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	507	0	502	0	511	0	507	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	511	0	505	0	505	0	502	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	507	0	504	0	504	0	500	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	504	0	500	0	500	0	496	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	504	0	500	0	498	0	495	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	495	0	491	0	491	0	486	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	495	0	491	0	489	0	486	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	495	0	489	0	489	0	484	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	487	0	484	0	484	0	478	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	484	0	480	0	479	0	475	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	482	0	478	0	477	0	473	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	478	0	477	0	475	0	471	0	320	0	320	0	-6	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	477	0	475	0	475	0	469	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	475	0	471	0	469	0	466	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 EVALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	93	3	75	0	142	3	109	0	3	0	0	0	87	3	102	59	85	0	123	76	83	0	101	62	68	0	26	41	0	0	0	0	0	0	0	0
200	62	3	66	0	89	0	99	0	3	0	0	0	81	3	114	52	78	0	130	25	73	0	107	57	64	0	91	48	0	0	0	0	0	0	0	0
300	71	3	75	0	93	3	107	0	3	3	0	0	65	3	95	31	63	0	113	14	66	3	85	41	50	0	77	16	0	0	0	0	0	0	0	0
400	61	3	67	0	86	0	101	0	3	3	0	0	62	3	88	39	59	0	98	23	67	0	103	37	51	0	85	27	0	0	0	0	0	0	0	0
500	51	3	57	0	75	3	97	0	3	3	0	0	67	3	101	30	64	0	113	27	67	3	85	42	51	0	72	28	0	0	0	0	0	0	0	0
600	71	3	76	0	102	3	107	0	3	3	0	0	72	3	103	56	78	0	111	38	74	3	96	42	58	0	34	27	0	0	0	0	0	0	0	0
700	56	3	58	0	81	3	91	0	3	3	0	0	77	3	114	40	75	0	113	23	76	3	102	42	60	0	87	40	0	0	0	0	0	0	0	0
800	49	3	54	0	66	3	74	0	3	3	0	0	54	3	88	24	48	0	98	10	54	3	86	20	36	0	69	4	0	0	0	0	0	0	0	0
900	41	3	45	0	60	3	65	0	3	3	0	0	61	3	91	21	57	0	93	29	52	0	90	35	41	0	76	9	0	0	0	0	0	0	0	0
1000	48	3	52	0	67	3	75	0	3	3	0	0	51	3	84	21	47	0	109	10	49	3	85	24	31	0	71	9	0	0	0	0	0	0	0	0
1100	56	3	63	0	76	3	87	0	3	3	0	0	67	3	119	31	65	0	120	25	68	3	100	29	52	0	84	10	0	0	0	0	0	0	0	0
1200	59	3	64	0	73	3	78	0	3	3	0	0	73	1	127	29	69	0	146	15	74	3	101	40	60	0	88	17	0	0	0	0	0	0	0	0
1300	52	3	41	0	55	3	56	0	3	3	0	0	12	1	105	315	15	0	95	306	21	0	68	331	6	0	84	227	0	0	0	0	0	0	0	0
1400	41	3	44	0	59	3	61	0	3	3	0	0	17	1	72	316	12	0	95	327	20	0	57	349	2	0	72	325	0	0	0	0	0	0	0	0
1500	54	3	56	0	73	3	75	0	3	3	0	0	30	3	73	1	26	0	86	356	25	3	44	357	7	0	68	339	0	0	0	0	0	0	0	0
1600	63	3	62	0	86	3	96	0	3	3	0	0	21	3	52	340	16	0	86	321	22	0	61	351	5	0	97	324	0	0	0	0	0	0	0	0
1700	57	3	60	0	83	3	98	0	3	3	0	0	33	3	59	13	27	0	77	337	32	3	51	8	13	0	35	355	0	0	0	0	0	0	0	0
1800	60	3	60	0	84	3	94	0	3	3	0	0	29	3	54	10	24	0	52	4	30	3	46	19	13	0	57	1	0	0	0	0	0	0	0	0
1900	42	3	44	0	75	3	79	0	3	3	0	0	13	1	52	316	14	0	57	309	17	0	37	353	5	0	121	338	0	0	0	0	0	0	0	0
2000	47	3	47	0	77	3	78	0	3	3	0	0	29	3	50	2	20	0	66	340	18	0	28	358	6	0	112	344	0	0	0	0	0	0	0	0
2100	37	3	37	0	61	3	62	0	3	3	0	0	26	3	48	10	23	0	48	1	27	0	43	13	9	0	19	359	0	0	0	0	0	0	0	0
2200	23	3	22	0	35	3	39	0	3	3	0	0	347	3	49	306	341	3	29	295	13	3	47	354	356	0	123	324	0	0	0	0	0	0	0	0
2300	32	3	34	0	40	3	43	0	3	3	0	0	315	3	348	284	311	0	353	278	339	3	350	316	318	0	331	301	0	0	0	0	0	0	0	0
2400	45	3	47	0	77	3	78	0	3	3	0	0	321	3	20	274	318	0	359	253	344	3	7	310	323	0	346	291	0	0	0	0	0	0	0	0

	AMB. TEM1 39 A	S	AMB. TEM2 39 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	471	0	466	0	466	0	462	0	320	0	320	0	-5	3	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	471	0	468	0	468	0	464	0	320	0	320	0	-4	3	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	471	0	468	0	466	0	462	0	320	0	320	0	-5	3	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	469	3	466	0	462	3	460	0	320	0	320	0	-5	3	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	469	3	466	0	464	3	460	0	320	0	320	0	-5	3	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	471	0	468	0	471	0	464	0	320	0	320	0	-2	3	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	471	3	468	0	469	0	464	0	321	0	320	0	-4	3	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	475	3	473	0	473	0	466	0	320	0	320	0	-5	3	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	482	3	478	0	477	3	471	0	320	3	320	0	-7	3	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	483	0	477	0	471	3	468	0	320	0	320	0	-2	3	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	503	3	493	0	486	3	480	0	320	0	320	0	-13	3	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	501	3	500	0	486	3	482	0	320	3	320	0	-18	3	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	511	3	502	0	491	3	487	0	320	3	320	0	-18	3	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	495	3	482	0	484	3	480	0	320	3	320	0	-11	3	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	487	3	486	0	478	3	475	0	320	3	320	0	-9	3	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	486	3	482	3	475	3	471	0	320	3	320	0	-9	3	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	486	3	482	0	477	3	473	0	320	3	320	0	-7	3	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	486	3	480	3	473	3	475	0	320	3	320	0	-7	3	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	482	3	477	0	473	3	475	0	320	3	320	0	-4	3	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	475	3	469	0	471	3	466	0	320	3	320	0	-4	3	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	475	3	469	0	467	3	466	0	320	3	320	0	-4	3	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	477	3	471	0	469	3	469	0	320	3	320	0	-7	3	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	475	3	471	0	469	3	469	0	320	3	320	0	-5	3	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	477	0	473	0	471	3	466	0	320	3	320	0	-5	3	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	50 B	S	WIND SPD2 150A	S	WIND SPD3 150B	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND DIR2 MIN	MAX	S	WIND DIR3 MIN	MAX	S	WIND DIR4 MIN	MAX	S	WIND DIR5 MIN	MAX	S	WIND DIR6
100	103	0	95	0	163	0	171	0	0	0	0	0	0	0	341	1 6	319	336	0 18	299	344	0 5	317	324	0 339	309	0 0	0 0 0
200	59	0	61	0	127	0	126	0	0	0	0	0	0	0	333	1 18	280	332	0 45	278	345	0 6	317	324	0 337	302	0 0	0 0 0
300	67	0	70	0	140	0	144	0	0	0	0	0	0	0	329	1 25	283	327	0 52	275	339	0 17	302	317	0 347	253	0 0	0 0 0
400	113	0	114	0	197	0	198	0	0	0	0	0	0	0	312	1 337	283	306	0 340	221	325	0 338	317	304	0 312	293	0 0	0 0 0
500	157	0	150	0	231	0	234	0	0	0	0	0	0	0	309	1 330	270	324	0 340	257	323	0 332	309	301	0 310	290	0 0	0 0 0
600	103	0	112	0	172	0	174	0	0	0	0	0	0	0	311	1 336	289	309	0 342	270	327	0 334	319	305	0 314	296	0 0	0 0 0
700	165	0	159	0	237	0	242	0	0	0	0	0	0	0	308	1 329	289	305	0 342	276	322	0 332	314	300	0 309	287	0 0	0 0 0
800	132	0	130	0	215	0	216	0	0	0	0	0	0	0	314	1 345	283	310	0 359	267	332	0 349	308	310	0 325	293	0 0	0 0 0
900	101	0	99	0	176	0	179	0	0	0	0	0	0	0	333	1 19	275	332	0 28	293	346	0 3	305	325	0 343	294	0 0	0 0 0
1000	141	0	141	0	237	0	232	0	1	0	0	0	0	0	335	1 357	283	328	0 55	285	345	0 24	293	323	0 3	294	0 0	0 0 0
1100	116	0	115	0	217	0	218	0	0	0	0	0	0	0	339	1 12	283	327	0 33	273	342	0 8	295	320	0 343	231	0 0	0 0 0
1200	153	0	154	0	243	0	239	0	0	0	0	0	0	0	315	1 348	279	309	0 347	255	334	0 359	298	312	0 336	280	0 0	0 0 0
1300	136	0	141	0	220	0	224	0	0	0	0	0	0	0	311	1 338	280	307	0 349	262	329	0 345	317	307	0 320	295	0 0	0 0 0
1400	144	0	139	0	217	0	217	0	0	0	0	0	0	0	315	1 343	283	311	0 356	250	334	0 343	314	313	0 335	300	0 0	0 0 0
1500	133	0	122	0	220	0	223	0	0	0	0	0	0	0	320	1 23	281	316	0 16	272	336	0 6	307	314	0 352	280	0 0	0 0 0
1600	140	0	137	0	224	0	219	0	0	0	0	0	0	0	334	1 6	302	332	0 47	281	345	0 11	326	324	0 345	309	0 0	0 0 0
1700	61	0	31	0	154	0	154	0	0	0	0	0	0	0	341	1 20	301	338	0 25	295	350	0 12	332	330	0 343	304	0 0	0 0 0
1800	73	0	75	0	149	0	146	0	0	0	0	0	0	0	341	1 17	307	336	0 34	298	346	0 0	332	324	0 337	298	0 0	0 0 0
1900	83	0	35	0	165	0	166	0	0	0	0	0	0	0	337	1 17	297	334	0 18	270	343	0 359	324	321	0 337	309	0 0	0 0 0
2000	57	0	58	0	123	0	127	0	0	0	0	0	0	0	335	1 26	293	330	0 6	278	343	0 356	323	320	0 336	305	0 0	0 0 0
2100	103	0	101	0	164	0	167	0	0	0	0	0	0	0	310	1 327	289	307	0 2	271	323	0 332	314	300	0 309	291	0 0	0 0 0
2200	105	0	102	0	159	0	163	0	0	0	0	0	0	0	310	1 330	283	306	0 355	257	323	0 332	314	300	0 313	292	0 0	0 0 0
2300	60	0	57	0	116	0	122	0	0	0	0	0	0	0	294	1 331	260	299	0 342	254	312	0 318	306	290	0 298	234	0 0	0 0 0
2400	83	0	80	0	132	1	142	0	0	0	0	0	0	0	286	1 335	250	279	0 338	207	300	0 327	275	279	0 304	256	0 0	0 0 0

	AMB. TEMP1 50 A	S	AMB. TEMP2 50 B	S	AMB. TEMP3 150A	S	AMB. TEMP4 150B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 130A	S	D.T. 2 180A	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	473	0	469	0	473	0	469	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	475	0	471	0	473	0	469	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	473	0	468	0	466	0	462	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	462	0	457	0	455	0	450	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	466	0	462	0	462	0	457	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	466	0	460	0	462	0	457	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	471	0	468	0	466	0	462	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	469	0	466	0	464	0	460	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	463	0	464	0	464	0	459	0	320	0	320	0	-6	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	493	0	487	0	484	0	480	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	504	0	500	0	489	0	484	0	320	0	320	0	-15	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
1200	496	0	493	0	482	0	478	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	6
1300	507	0	502	0	484	0	478	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	500	0	496	0	474	0	475	0	320	0	320	0	-22	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	502	0	496	0	480	0	475	0	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	495	0	489	0	482	0	477	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	487	0	482	0	480	0	475	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	471	0	468	0	469	0	465	0	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	477	0	471	0	466	0	460	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	467	0	456	0	457	0	454	0	320	0	320	0	15	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	483	0	477	0	493	0	469	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	484	0	478	0	491	0	487	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	466	0	460	0	465	0	462	0	320	0	320	0	20	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	487	0	482	0	493	0	487	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1	S	WIND SPD2	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	98	0	93	0	132	0	142	0	0	0	0	0	281	0	329	237	276	0	316	230	293	0	339	269	277	0	315	247	0	0	0	0	0	0	0	0
200	93	0	91	0	133	0	137	0	0	0	0	0	277	0	313	237	266	0	311	235	278	0	303	252	260	0	288	241	0	0	0	0	0	0	0	0
300	74	0	69	0	122	0	131	0	0	0	0	0	232	0	265	197	229	0	269	190	240	0	270	219	223	0	236	202	0	0	0	0	0	0	0	0
400	69	0	51	0	130	0	134	0	0	0	0	0	211	0	253	182	213	0	259	190	229	0	249	212	213	0	225	192	0	0	0	0	0	0	0	0
500	47	0	37	0	111	0	121	0	0	0	0	0	193	0	262	145	196	0	264	111	214	0	227	196	199	0	216	175	0	0	0	0	0	0	0	0
600	43	0	41	0	105	0	89	0	0	0	0	0	176	0	265	103	177	0	269	100	196	0	216	169	182	0	202	157	0	0	0	0	0	0	0	0
700	59	0	50	0	94	1	79	0	0	0	0	0	173	0	216	146	172	0	220	137	206	0	238	189	191	0	224	175	0	0	0	0	0	0	0	0
800	145	0	136	0	185	0	198	0	0	0	0	0	293	0	316	246	277	0	336	240	294	0	320	249	274	0	300	232	0	0	0	0	0	0	0	0
900	122	1	175	0	235	0	241	0	0	0	0	0	305	1	321	299	301	0	341	262	315	0	324	309	293	0	301	286	0	0	0	0	0	0	0	0
1000	131	0	123	0	201	0	201	0	0	0	0	0	310	0	341	269	302	0	346	215	325	0	333	306	301	0	310	275	0	0	0	0	0	0	0	0
1100	126	0	122	0	207	0	216	0	0	0	0	0	319	0	344	284	308	0	355	264	339	0	341	313	307	0	320	291	0	0	0	0	0	0	0	0
1200	97	0	90	0	151	0	150	0	0	0	0	0	317	0	357	255	310	0	356	208	334	0	358	303	312	0	354	284	0	0	0	0	0	0	0	0
1300	102	0	101	0	152	0	151	0	0	0	0	0	317	0	357	273	309	0	345	263	332	0	5	311	311	0	2	286	0	0	0	0	0	0	0	0
1400	138	0	137	0	220	0	219	0	0	0	0	0	315	0	349	272	308	0	349	246	332	0	356	315	310	0	335	287	0	0	0	0	0	0	0	0
1500	72	0	69	0	131	0	130	0	0	0	0	0	6	0	122	281	2	0	139	279	6	0	63	315	348	0	62	286	0	0	0	0	0	0	0	0
1600	122	0	114	0	182	0	157	0	0	0	0	0	25	0	69	345	22	0	76	337	20	0	57	353	0	0	53	320	0	0	0	0	0	0	0	0
1700	41	0	37	0	75	1	74	0	0	0	0	0	355	0	58	297	352	0	70	276	2	0	69	312	344	0	80	279	0	0	0	0	0	0	0	0
1800	90	0	85	0	142	0	143	0	0	0	0	0	345	0	21	317	339	0	18	299	353	0	12	322	331	0	351	304	0	0	0	0	0	0	0	0
1900	107	0	98	0	165	0	161	0	0	0	0	0	347	0	24	304	343	0	51	297	356	0	21	306	335	0	4	296	0	0	0	0	0	0	0	0
2000	53	0	54	0	116	0	111	0	0	0	0	0	16	0	62	324	12	0	81	309	9	0	42	333	347	0	54	313	0	0	0	0	0	0	0	0
2100	69	0	68	0	113	0	111	0	0	0	0	0	22	0	77	331	19	0	88	317	10	0	37	339	351	0	63	317	0	0	0	0	0	0	0	0
2200	75	0	70	0	113	0	110	0	0	0	0	0	31	0	66	9	24	0	57	345	23	0	40	9	4	0	67	344	0	0	0	0	0	0	0	0
2300	43	0	42	0	58	0	69	0	0	0	0	0	77	0	100	56	75	0	93	47	62	0	76	49	44	0	59	31	0	0	0	0	0	0	0	0
2400	48	0	52	0	85	0	99	0	0	0	0	0	63	0	81	59	65	0	76	49	54	0	57	49	34	0	39	30	0	0	0	0	0	0	0	0

	AMB. TEM1	S	AMB. TEM2	S	AMB. TEM3	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	487	0	484	0	486	0	482	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	482	0	486	0	487	0	486	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	455	0	458	0	459	0	455	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	425	0	421	0	442	0	437	0	320	0	320	0	14	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
500	417	0	412	0	424	0	424	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	406	2	399	0	403	0	405	0	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
700	387	0	381	0	412	0	406	0	320	0	320	0	23	1	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	475	0	471	0	469	0	466	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
900	482	0	477	0	473	0	469	0	320	0	320	0	-9	1	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1000	487	0	484	0	483	0	481	0	320	0	320	0	-13	1	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1100	491	0	487	0	486	0	481	0	320	0	320	0	-16	1	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1200	503	0	495	0	493	0	485	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1300	507	0	504	0	484	0	479	0	320	0	320	0	-25	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1400	491	0	486	0	477	0	473	0	320	0	320	0	-13	1	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1500	502	0	498	0	482	0	477	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	496	0	491	0	482	1	477	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	477	0	473	0	469	0	466	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	477	0	471	0	471	0	468	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	480	0	477	0	473	0	469	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	468	0	468	0	468	0	468	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	466	0	460	0	464	0	458	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	462	0	459	0	461	0	457	0	320	0	320	0	-1	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	437	0	430	0	459	0	434	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	401	0	384	0	441	1	435	0	320	0	320	0	41	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 C S	WIND DIR1	WIND MIN	WIND MAX	WIND DIR2	WIND MIN 150A S	WIND MAX 150A S	WIND DIR3	WIND MIN 150B S	WIND MAX 150B S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6
100	55 0	56 0	95 0	106 0	1 1	0 0	71 0	83	59	68 0	94	48	62 0	74	55	46 0	53	39	0 0	0	0	0
200	50 0	45 0	57 0	72 0	0 0	0 0	106 0	122	77	107 0	130	90	80 0	97	70	63 0	82	47	0 0	0	0	0
300	57 0	53 0	67 0	67 0	0 0	0 0	126 0	135	121	127 0	136	120	90 0	101	84	72 0	84	66	0 0	0	0	0
400	60 0	54 0	102 0	126	0 0	0 0	177 0	228	97	175 0	225	104	191 0	252	135	175 0	186	167	0 0	0	0	0
500	66 0	55 0	69 0	72 0	0 0	0 0	168 0	195	130	160 0	205	113	132 0	140	125	118 0	126	109	0 0	0	0	0
600	70 0	56 0	103 0	108 0	0 0	0 0	165 0	201	133	163 0	248	128	163 0	167	159	148 0	150	144	0 0	0	0	0
700	57 0	53 0	67 0	67 0	0 0	0 0	126 0	135	121	127 0	136	120	90 0	101	84	72 0	84	66	0 0	0	0	0
800	84 0	74 0	138 0	142 0	0 0	0 0	232 0	269	192	231 0	273	180	232 0	253	205	216 0	243	190	0 0	0	0	0
900	51 0	43 0	103 0	94 0	0 0	0 0	196 0	249	112	197 0	265	121	210 0	269	163	193 0	233	149	0 0	0	0	0
1000	71 0	106 0	111 0	119 0	0 0	0 0	207 0	267	123	201 0	261	100	205 0	254	170	191 0	224	170	0 0	0	0	0
1100	103 0	100 0	142 0	148 0	0 0	0 0	236 0	274	198	234 0	297	180	230 0	259	198	213 0	242	179	0 0	0	0	0
1200	106 0	100 0	144 0	147 0	0 0	0 0	239 0	280	203	237 0	303	195	239 0	279	219	222 0	258	202	0 0	0	0	0
1300	105 0	100 0	140 0	152 0	0 0	0 0	240 0	279	195	237 0	301	134	236 0	266	200	220 0	253	190	0 0	0	0	0
1400	97 0	91 0	144 0	145 0	0 0	0 0	241 0	280	195	240 0	317	193	231 0	270	191	216 0	263	179	0 0	0	0	0
1500	92 0	83 0	136 0	126 0	0 0	0 0	235 0	302	182	237 0	334	180	221 0	257	184	205 0	245	179	0 0	0	0	0
1600	95 0	81 0	150 0	139 0	0 0	0 0	224 0	260	35	224 0	268	148	219 0	249	185	204 0	242	158	0 0	0	0	0
1700	128 0	107 0	197 0	174 0	0 0	0 0	228 0	261	153	220 0	260	129	216 0	239	172	200 0	222	168	0 0	0	0	0
1800	112 0	101 0	177 0	174 0	0 0	0 0	225 0	261	168	223 0	268	110	226 0	257	194	210 0	242	190	0 0	0	0	0
1920	124 0	109 0	186 0	173 0	0 0	0 0	225 0	274	192	226 0	265	172	220 0	245	190	205 0	229	176	0 0	0	0	0
2000	124 0	107 0	200 0	194 0	0 0	0 0	227 0	262	196	225 0	260	178	224 0	259	196	210 0	234	187	0 0	0	0	0
2100	146 0	139 0	229 0	232 0	0 0	0 0	234 0	272	198	232 0	267	179	231 0	258	196	216 0	242	185	0 0	0	0	0
2200	151 0	144 0	249 0	258 0	0 0	0 0	235 0	294	202	236 0	290	196	233 0	254	202	218 0	239	191	0 0	0	0	0
2300	173 0	171 0	282 0	298 0	0 0	0 0	233 0	279	203	237 0	316	194	237 0	259	210	220 0	241	197	0 0	0	0	0
2400	175 0	165 0	271 0	264 0	0 0	0 0	237 0	273	210	236 0	281	204	236 0	265	190	219 0	248	197	0 0	0	0	0

	AMB. TEM1 50 A S	AMB. TEM2 50 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEM6 S	D.T. 1 S	D.T. 2 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	401 0	394 0	444 0	439 0	320 0	320 0	46 0	47 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	412 0	403 0	437 0	432 0	320 0	320 0	27 0	32 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	412 0	406 0	442 0	437 0	320 0	320 0	31 0	34 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	374 0	369 0	435 0	430 0	320 0	320 0	63 0	65 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	394 0	388 0	443 0	442 0	320 0	320 0	56 0	58 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	381 0	376 0	444 0	439 0	320 0	320 0	65 0	67 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	412 0	406 0	442 0	437 0	320 0	320 0	31 0	34 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	401 0	396 0	408 0	403 0	320 0	320 0	9 0	11 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	437 0	433 0	423 0	417 0	320 0	320 0	-14 0	-13 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	0 6
1000	473 0	468 0	455 0	450 0	320 0	320 0	-16 0	-14 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
1100	507 0	497 2	486 0	480 2	320 0	320 0	-20 0	0 2		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
1200	525 0	495 2	502 0	497 2	320 0	320 0	-22 0	0 2		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
1300	543 0	493 2	525 0	496 2	320 0	320 0	-20 0	0 2		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
1400	563 0	553 0	545 0	540 0	320 0	320 0	-22 0	-20 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
1500	597 0	592 0	574 0	570 0	320 0	320 0	-22 0	-20 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
1600	601 3	575 0	535 1	577 0	320 0	320 0	-18 0	-16 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
1700	592 0	588 0	545 0	579 0	320 0	320 0	-9 0	-7 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
1800	577 0	574 0	576 0	572 0	320 0	320 0	0 0	2 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
1900	576 0	572 0	576 0	570 0	320 0	320 0	0 0	2 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
2000	574 0	570 0	574 0	566 0	320 0	320 0	0 0	2 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 1	2 0
2100	574 0	570 0	572 0	568 0	320 0	320 0	0 0	2 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
2200	576 0	572 0	576 0	570 0	320 0	320 0	2 0	4 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
2300	579 0	576 0	579 0	576 0	320 0	320 0	0 0	2 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
2400	572 0	567 0	570 0	567 0	320 0	320 0	0 0	2 0		0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0

STATUS CODE(S) DEFINITIONS - 0 EVALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND DIR2 MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	172	0	163	0	270	0	294	0	0	0	0	0	241	0	285	194	239	0	295	184	242	0	267	201	225	0	249	198	0	0	0	0
200	203	0	203	0	329	0	340	0	0	0	0	0	244	0	262	219	241	0	268	202	246	0	253	220	229	0	244	199	0	0	0	0
300	235	0	232	0	351	0	372	0	0	0	0	0	245	0	264	221	243	0	279	209	244	0	259	232	231	0	247	219	0	0	0	0
400	204	0	204	0	306	0	327	0	0	0	0	0	243	0	260	193	240	0	269	204	246	0	264	215	229	0	242	213	0	0	0	0
500	231	0	235	0	338	0	357	0	0	0	0	0	244	0	263	223	242	0	270	217	245	0	266	225	228	0	251	211	0	0	0	0
600	192	0	193	0	309	0	323	0	0	0	0	0	243	0	274	211	240	0	291	193	245	0	285	218	226	0	248	198	0	0	0	0
700	216	0	217	0	312	0	335	0	0	0	0	0	244	0	264	225	245	0	291	206	245	0	265	213	226	0	246	203	0	0	0	0
800	184	0	183	0	287	0	306	0	0	0	0	0	242	0	265	217	242	0	281	198	243	0	269	210	225	0	253	199	0	0	0	0
900	236	0	250	0	335	0	367	0	0	0	0	0	245	0	269	224	244	0	279	208	249	0	265	232	232	0	247	218	0	0	0	0
1000	231	0	241	0	322	0	344	0	0	0	0	0	244	0	261	226	244	0	285	209	248	0	267	225	230	0	242	213	0	0	0	0
1100	215	0	219	0	297	0	324	0	0	0	0	0	245	0	270	221	245	0	284	214	248	0	257	239	231	0	242	211	0	0	0	0
1200	213	0	222	0	269	0	324	0	0	0	0	0	246	0	265	222	244	0	273	210	251	0	261	226	233	0	247	219	0	0	0	0
1300	174	0	173	0	283	0	296	0	0	0	0	0	245	0	269	221	248	0	277	210	257	0	266	247	239	0	248	225	0	0	0	0
1400	146	0	153	0	225	0	232	0	0	0	0	0	262	0	280	243	260	0	293	232	272	0	286	259	254	0	261	239	0	0	0	0
1500	114	0	119	0	200	0	213	0	0	0	0	0	260	0	291	233	256	0	288	219	277	0	285	246	258	0	255	236	0	0	0	0
1600	124	0	128	0	205	0	217	0	0	0	0	0	277	0	313	254	274	0	315	242	294	0	307	265	274	0	292	252	0	0	0	0
1700	97	0	96	0	181	0	191	0	0	0	0	0	317	0	350	273	312	0	346	255	337	0	349	321	315	0	328	297	0	0	0	0
1800	140	0	143	0	231	0	222	0	0	0	0	0	347	0	41	319	341	0	33	295	355	0	17	332	334	0	1	312	0	0	0	0
1900	152	0	148	0	252	0	243	0	0	0	0	0	348	0	32	315	342	0	45	291	357	0	23	337	336	0	12	313	0	0	0	0
2000	137	0	138	0	241	0	236	0	0	0	0	0	27	0	66	1	20	0	116	309	15	0	35	346	358	0	89	320	0	0	0	0
2100	119	0	117	0	198	0	188	0	0	0	0	0	24	0	51	333	20	0	88	295	13	0	45	340	355	0	73	311	0	0	0	0
2200	147	0	147	0	232	0	224	0	0	0	0	0	25	0	61	352	19	0	98	343	16	0	39	340	358	0	78	323	0	0	0	0
2300	143	0	142	0	205	0	199	0	0	0	0	0	27	0	55	359	21	0	80	339	23	0	48	3	5	0	33	337	0	0	0	0
2400	78	0	82	0	114	0	118	0	0	0	0	0	47	0	94	12	43	0	90	357	41	0	68	6	24	0	56	350	0	0	0	0

	AMB. TEMP 30 A	S	AMB. TEMP 30 B	S	AMB. TEMP 180A	S	AMB. TEMP 180B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	570	0	567	0	572	0	566	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
200	579	0	576	0	585	0	581	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
300	581	0	576	0	583	0	577	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
400	574	0	570	0	572	0	568	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
500	572	0	567	0	570	0	567	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
600	563	0	565	0	568	0	563	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
700	572	0	567	0	570	0	565	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
800	565	0	559	0	561	0	558	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
900	574	0	570	0	569	0	565	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
1000	577	0	574	0	573	0	565	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	583	0	585	0	577	0	574	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	583	0	585	0	579	0	576	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	594	0	588	0	585	0	579	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	586	0	583	0	581	0	585	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	595	0	590	0	592	0	588	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	584	0	585	0	603	0	599	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	586	0	581	0	585	0	579	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	567	0	561	0	563	0	559	0	321	0	320	0	-3	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	561	0	556	0	558	0	552	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	533	0	532	0	532	0	527	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	529	0	523	0	522	0	516	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	527	0	522	0	520	0	516	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	515	0	511	0	509	0	504	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	508	0	476	0	495	0	491	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 C	A	S	WIND DIR1	WIND DIR2 MIN	MAX	50 B	S	WIND DIR3 MIN	MAX	150A	S	WIND DIR4 MIN	MAX	150B	S	WIND DIR5 MIN	MAX	S	WIND DIR6 MIN	MAX	S
100	145	0	140	0	287	0	232	0	0	0	0	0	0	26	0	52	344		20	0	67	323		23	0	45	0		7	0	98	331		0	0	0	0	0	0
200	114	0	114	0	165	0	179	0	0	0	0	0	0	22	0	84	312		17	0	97	307		12	0	38	335		353	0	27	312		0	0	0	0	0	0
300	130	0	134	0	193	0	188	0	0	0	0	0	0	26	0	70	356		19	0	67	327		23	0	46	1		5	0	73	333		0	0	0	0	0	0
400	119	0	120	0	167	0	162	0	0	0	0	0	0	30	0	76	2		24	0	71	334		27	0	55	1		9	0	54	337		0	0	0	0	0	0
500	57	0	57	0	79	0	93	0	0	0	0	0	0	89	0	119	64		37	0	115	56		75	0	90	52		57	0	75	28		0	0	0	0	0	0
600	64	0	65	0	97	0	98	0	0	0	0	0	0	106	0	125	90		107	0	130	73		94	0	119	77		78	0	101	60		0	0	0	0	0	0
700	62	0	65	0	84	0	96	0	0	0	0	0	0	82	0	106	59		82	0	121	28		76	0	100	56		60	0	77	14		0	0	0	0	0	0
800	74	0	74	0	112	0	121	0	0	0	0	0	0	82	0	103	59		82	0	109	39		78	0	93	64		60	0	78	49		0	0	0	0	0	0
900	84	0	91	0	103	0	114	0	0	0	0	0	0	79	0	111	45		71	0	108	28		79	0	111	63		62	0	90	44		0	0	0	0	0	0
1000	111	0	115	0	155	0	143	0	0	0	0	0	0	84	0	114	54		84	0	132	50		82	0	121	56		65	0	98	35		0	0	0	0	0	0
1100	81	0	90	0	96	0	106	0	0	0	0	0	0	75	0	128	31		76	0	133	10		77	0	108	40		61	0	103	20		0	0	0	0	0	0
1200	67	0	69	0	77	0	81	0	0	0	0	0	0	39	0	92	328		36	0	113	341		40	0	90	334		22	0	61	319		0	0	0	0	0	0
1300	72	0	74	0	96	0	96	0	0	0	0	0	0	15	0	73	307		12	0	72	310		16	0	58	332		355	0	71	296		0	0	0	0	0	0
1400	103	0	106	0	143	0	140	0	0	0	0	0	0	21	0	85	324		15	0	85	305		19	0	37	350		0	0	63	326		0	0	0	0	0	0
1500	62	0	60	0	97	0	98	0	0	0	0	0	0	13	0	87	285		12	0	97	275		13	0	61	322		353	0	53	274		0	0	0	0	0	0
1600	89	0	89	0	127	0	124	0	0	0	0	0	0	24	0	56	335		14	0	69	319		18	0	43	344		359	0	68	277		0	0	0	0	0	0
1700	80	0	78	0	107	0	105	0	0	0	0	0	0	27	0	51	3		25	0	81	342		21	0	45	358		2	0	70	332		0	0	0	0	0	0
1800	82	0	78	0	112	0	110	0	0	0	0	0	0	29	0	53	7		24	0	64	334		28	0	51	11		8	0	22	353		0	0	0	0	0	0
1900	59	0	63	0	97	0	97	0	0	0	0	0	0	44	0	62	24		40	0	63	14		40	0	54	23		20	0	31	4		0	0	0	0	0	0
2000	52	0	57	0	86	0	96	0	0	0	0	0	0	72	0	79	63		70	0	85	49		63	0	68	57		47	0	52	42		0	0	0	0	0	0
2100	64	0	64	0	103	0	124	0	0	0	0	0	0	77	0	89	68		74	0	93	51		72	0	78	64		55	0	64	48		0	0	0	0	0	0
2200	93	0	92	0	154	0	159	0	0	0	0	0	0	91	0	109	79		90	0	121	65		83	0	90	74		66	0	72	58		0	0	0	0	0	0
2300	81	0	77	0	150	0	151	0	0	0	0	0	0	104	0	121	84		104	0	135	84		99	0	102	95		83	0	87	77		0	0	0	0	0	0
2400	87	0	79	0	140	0	149	0	0	0	0	0	0	114	0	121	106		118	0	131	101		130	0	134	127		117	0	120	114		0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	504	0	498	0	496	0	491	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	496	0	489	0	489	0	486	0	320	0	320	0	-6	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	487	0	482	0	480	0	475	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	478	0	475	0	471	0	468	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	455	0	446	0	459	0	450	0	320	0	320	0	2	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	437	0	430	0	437	0	433	0	320	0	320	0	3	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
700	421	0	412	0	423	0	417	0	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	417	0	410	0	417	0	412	0	320	0	320	0	3	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	457	0	453	0	439	0	432	0	320	0	320	0	-13	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	473	0	469	0	451	0	444	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	491	0	489	0	466	0	462	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	511	0	507	0	485	0	482	0	321	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	507	0	502	0	491	0	487	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	493	0	489	0	477	0	473	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	504	0	500	0	490	0	477	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	486	0	482	0	471	0	468	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	464	0	459	0	455	0	450	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	453	0	446	0	446	0	441	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	453	0	441	0	446	0	441	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	405	0	399	0	444	0	439	0	320	0	320	0	40	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	399	0	390	0	430	0	426	0	320	0	320	0	32	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	397	0	389	0	415	0	412	0	320	0	320	0	20	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	385	0	378	0	415	0	410	0	320	0	320	0	31	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	374	0	367	0	412	0	410	0	320	0	320	0	47	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODES(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1	S	WIND SPD2	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
	50 A		50 B		150A		150B				50 A			50 B				150A				150B												
100	93	1	35	0	137	0	159	0	0	0	0	0	116	1	124	109	112	0	138	96	131	1	136	125	117	0	122	112	0	0	0	0	0	0
200	87	0	97	0	163	1	166	0	0	0	0	0	129	1	141	117	130	0	155	100	142	0	147	136	128	0	134	121	0	0	0	0	0	0
300	76	0	32	0	158	1	164	0	0	0	0	0	129	1	149	113	131	0	168	100	148	0	157	139	134	0	144	123	0	0	0	0	0	0
400	77	0	83	0	163	1	171	0	0	0	0	0	129	1	148	110	135	0	166	97	153	0	160	142	139	0	150	127	0	0	0	0	0	0
500	80	0	81	0	163	0	173	0	0	0	0	0	131	0	152	112	133	0	171	81	156	0	164	147	141	0	151	134	0	0	0	0	0	0
600	76	0	81	0	163	0	170	0	0	0	0	0	127	0	148	112	130	0	160	85	153	0	159	142	138	0	144	129	0	0	0	0	0	0
700	81	0	92	0	163	0	169	0	0	0	0	0	127	1	143	117	131	0	157	99	150	0	159	142	135	0	144	128	0	0	0	0	0	0
800	81	0	88	0	145	0	149	0	0	0	0	0	125	0	140	106	128	0	145	111	145	0	150	136	130	0	137	123	0	0	0	0	0	0
900	72	0	36	0	126	0	134	0	0	0	0	0	131	1	167	103	151	0	176	79	152	0	180	129	138	0	155	121	0	0	0	0	0	0
1000	72	0	76	0	133	0	137	0	0	0	0	0	142	0	191	106	145	0	209	96	157	0	177	137	146	0	165	123	0	0	0	0	0	0
1100	79	0	81	0	127	0	131	0	0	0	0	0	143	0	209	94	109	0	193	101	156	0	194	119	143	0	158	109	0	0	0	0	0	0
1200	72	0	70	0	92	0	94	0	0	0	0	0	123	0	196	91	122	0	163	34	133	0	167	93	121	0	159	93	0	0	0	0	0	0
1300	63	0	62	0	84	0	88	0	0	0	0	0	117	1	153	86	116	0	148	48	120	0	147	79	107	0	134	64	0	0	0	0	0	0
1400	63	0	63	0	83	0	86	0	0	0	0	0	108	0	173	60	108	0	158	14	116	0	159	77	103	0	135	62	0	0	0	0	0	0
1500	81	0	80	0	101	0	103	0	0	0	0	0	98	0	125	62	100	0	149	43	105	0	139	79	91	0	116	66	0	0	0	0	0	0
1600	63	0	64	0	92	0	96	0	0	0	0	0	94	0	134	61	93	0	133	47	104	0	128	77	90	0	134	64	0	0	0	0	0	0
1700	56	0	55	0	81	0	83	0	0	0	0	0	103	0	127	73	103	0	143	56	111	0	141	92	98	0	133	79	0	0	0	0	0	0
1800	42	0	40	0	67	0	72	0	0	0	0	0	114	0	132	97	116	0	140	83	121	0	133	99	110	0	129	94	0	0	0	0	0	0
1900	59	0	57	0	93	0	106	0	0	0	0	0	108	0	119	101	110	0	136	90	127	0	134	120	116	0	123	107	0	0	0	0	0	0
2000	74	0	70	0	127	0	137	0	0	0	0	0	117	0	125	110	121	0	140	103	130	0	134	124	119	0	124	116	0	0	0	0	0	0
2100	71	0	74	0	127	0	129	0	0	0	0	0	127	0	144	115	129	0	149	116	138	0	144	130	126	0	133	119	0	0	0	0	0	0
2200	93	0	94	0	137	0	148	0	0	0	0	0	119	0	127	111	123	0	139	91	134	0	141	129	122	0	129	116	0	0	0	0	0	0
2300	99	0	107	0	175	0	179	0	0	0	0	0	125	1	139	120	131	0	145	114	142	0	147	136	130	0	139	126	0	0	0	0	0	0
2400	96	0	104	0	175	0	182	0	0	0	0	0	128	0	148	114	131	0	157	103	143	0	152	135	130	0	134	123	0	0	0	0	0	0

	AMB. TEM1	S	AMB. TEM2	S	AMB. TEM3	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
	30 A		30 B		180A		180B						180A		180B																				
100	372	0	367	0	399	0	394	0	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	376	0	370	0	397	0	391	0	320	0	320	0	11	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	363	0	358	0	375	0	372	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	361	0	356	0	374	0	369	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	360	0	352	0	372	0	369	0	320	0	320	0	14	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	358	0	349	0	367	0	363	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	352	0	345	0	365	0	360	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	342	0	342	0	352	0	349	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	394	0	388	0	376	0	372	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	423	0	417	0	410	0	405	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	466	0	460	0	439	0	433	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	475	0	469	0	464	0	455	0	320	0	320	0	-19	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	480	0	475	0	466	0	462	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	514	0	513	0	487	0	486	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	504	0	500	0	487	0	482	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	522	0	520	0	494	0	493	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	491	0	484	0	486	0	480	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	452	0	448	0	462	0	466	0	321	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	439	0	430	0	464	0	460	0	320	0	320	0	25	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	426	0	419	0	463	1	462	0	320	0	320	0	22	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	423	0	415	0	455	0	426	0	320	0	320	0	11	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	412	0	405	0	423	0	419	0	320	0	320	0	13	1	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	403	0	397	0	417	0	414	0	320	0	320	0	14	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	401	0	394	0	404	0	403	0	320	0	320	0	7	1	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 C	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	84	0	86	0	133	0	135	0	0	0	0	0	122	0	138	101	126	0	153	103	133	0	153	125	127	0	138	111	0	0	0	0	0	0
200	71	0	76	0	114	0	117	0	0	0	0	0	125	0	144	111	128	0	146	102	140	0	152	136	129	0	145	114	0	0	0	0	0	0
300	66	0	69	0	109	0	111	0	0	0	0	0	120	0	138	104	124	0	160	97	140	0	156	116	129	0	144	104	0	0	0	0	0	0
400	97	0	92	0	115	0	127	0	0	0	0	0	117	0	137	102	121	0	142	95	130	0	143	116	118	0	129	100	0	0	0	0	0	0
500	77	0	75	0	97	0	102	0	0	0	0	0	120	0	132	106	125	0	151	102	133	0	146	123	122	0	133	111	0	0	0	0	0	0
600	64	0	65	0	96	0	104	0	0	0	0	0	129	0	157	102	126	0	157	97	141	0	157	121	129	0	145	111	0	0	0	0	0	0
700	84	0	81	0	111	0	122	0	0	0	0	0	119	0	131	108	122	0	136	97	131	0	141	121	120	0	131	110	0	0	0	0	0	0
800	77	0	73	0	101	0	108	0	0	0	0	0	121	0	130	109	123	0	142	88	135	0	151	119	123	0	140	111	0	0	0	0	0	0
900	62	0	61	0	93	0	100	0	0	0	0	0	122	0	150	92	123	0	149	32	141	0	158	110	128	0	143	106	0	0	0	0	0	0
1000	75	0	71	0	92	0	96	0	0	0	0	0	113	0	140	94	121	0	163	85	125	0	149	96	114	0	133	92	0	0	0	0	0	0
1100	73	0	72	0	117	0	120	0	0	0	0	0	131	0	193	94	134	0	255	91	146	0	176	118	134	0	167	106	0	0	0	0	0	0
1200	86	0	85	0	115	0	122	0	0	0	0	0	126	0	179	73	126	0	171	27	134	0	164	119	127	0	157	100	0	0	0	0	0	0
1300	62	0	60	0	92	0	98	0	0	0	0	0	126	0	171	94	125	0	162	50	144	0	183	122	131	0	163	91	0	0	0	0	0	0
1400	81	0	81	0	119	0	124	0	0	0	0	0	122	0	162	85	124	0	166	67	133	0	153	104	121	0	143	98	0	0	0	0	0	0
1500	104	0	107	0	141	0	149	0	0	0	0	0	125	0	157	88	126	0	158	69	138	0	164	107	126	0	144	83	0	0	0	0	0	0
1600	125	0	128	0	157	0	159	0	0	0	0	0	122	0	141	104	126	0	146	89	129	0	144	118	117	0	131	99	0	0	0	0	0	0
1700	111	0	109	0	135	0	144	0	0	0	0	0	120	0	132	106	125	0	156	105	127	0	147	105	115	0	130	99	0	0	0	0	0	0
1800	103	0	99	0	130	0	141	0	0	0	0	0	121	0	140	106	123	0	161	91	128	0	142	115	117	0	128	105	0	0	0	0	0	0
1900	105	0	100	0	133	0	142	0	0	0	0	0	118	0	136	98	121	0	150	95	124	0	135	112	111	0	125	90	0	0	0	0	0	0
2000	96	0	95	0	125	0	136	0	0	0	0	0	122	0	137	108	124	0	159	92	133	0	147	121	121	0	134	111	0	0	0	0	0	0
2100	93	0	92	0	126	0	136	0	0	0	0	0	119	0	128	108	122	0	142	95	131	0	138	125	119	0	124	115	0	0	0	0	0	0
2200	93	0	90	0	138	0	135	0	0	0	0	0	120	0	125	113	124	0	140	97	137	0	141	133	126	0	130	122	0	0	0	0	0	0
2300	78	0	80	0	140	0	149	0	0	0	0	0	124	0	137	115	128	0	143	109	143	0	143	139	131	0	135	129	0	0	0	0	0	0
2400	81	0	81	0	130	0	131	0	0	0	0	0	120	0	130	114	129	0	137	102	136	0	140	131	124	0	129	122	0	0	0	0	0	0

	AMB. TEMI 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	401	0	396	0	403	0	397	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	403	0	401	0	405	0	401	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	415	0	408	0	410	0	406	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	415	0	410	0	410	0	405	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	415	0	410	0	410	0	405	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	415	0	410	0	410	0	406	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	414	0	408	0	410	0	405	0	320	0	320	0	-7	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	417	0	412	0	412	0	408	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	433	0	428	0	425	0	417	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	457	0	453	0	444	0	441	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0.0
1100	495	0	489	0	476	0	473	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	523	0	520	0	509	0	500	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	532	0	527	0	516	0	513	0	320	0	320	0	-17	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	532	0	527	0	518	0	514	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	536	0	532	0	522	0	519	0	320	0	320	0	-15	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	532	0	527	0	522	0	518	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	527	0	522	0	520	0	514	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	520	0	514	0	511	0	507	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	505	0	500	0	502	0	496	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	505	0	500	0	500	0	496	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	500	0	495	0	502	0	496	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	494	0	493	0	505	0	532	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	495	0	497	0	513	0	509	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	486	0	478	0	498	0	495	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	50	S	WIND SPD2 150A	S	150	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	87	0	43	0	132	0	138	0	0	0	0	0	0	0	0	0	122	0	129	117	125	0	141	100	136	0	140	132	129	0	129	117	0	0	0	0	0	0	0	0
200	84	0	79	0	141	0	142	0	0	0	0	0	0	0	0	0	121	0	126	116	125	0	137	105	140	0	144	135	129	0	132	125	0	0	0	0	0	0	0	0
300	52	0	57	0	151	0	147	0	0	0	0	0	0	0	0	0	127	0	146	111	132	0	178	106	156	0	157	152	144	0	150	140	0	0	0	0	0	0	0	0
400	54	0	53	0	126	0	132	0	0	0	0	0	0	0	0	0	132	0	151	112	135	0	165	113	165	0	171	154	152	0	158	146	0	0	0	0	0	0	0	0
500	53	0	47	0	142	0	137	0	0	0	0	0	0	0	0	0	171	0	213	131	170	0	223	119	195	0	207	182	179	0	189	170	0	0	0	0	0	0	0	0
600	55	0	51	0	109	0	88	0	0	0	0	0	0	0	0	0	179	0	204	127	167	0	210	113	198	0	212	185	184	0	199	169	0	0	0	0	0	0	0	0
700	52	0	48	0	62	1	73	0	0	0	0	0	0	0	0	0	178	0	204	149	171	0	223	134	229	0	248	208	214	0	227	191	0	0	0	0	0	0	0	0
800	53	0	47	0	74	0	59	0	0	0	0	0	0	0	0	0	133	0	179	93	136	0	182	104	180	0	207	156	167	0	194	145	0	0	0	0	0	0	0	0
900	45	0	43	0	119	1	95	0	0	0	0	0	0	0	0	0	142	0	179	103	146	0	182	92	192	0	202	175	178	0	189	163	0	0	0	0	0	0	0	0
1000	43	0	43	0	111	0	102	0	0	0	0	0	0	0	0	0	146	0	201	108	149	0	204	100	179	0	192	161	165	0	189	152	0	0	0	0	0	0	0	0
1100	32	0	36	0	85	0	96	0	0	0	0	0	0	0	0	0	123	0	146	101	124	0	162	83	167	0	194	142	155	0	174	137	0	0	0	0	0	0	0	0
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2
1600	23	0	26	0	25	0	29	0	0	0	0	0	0	0	0	0	127	0	147	112	130	0	154	91	150	0	175	123	138	0	160	121	0	0	0	0	0	0	0	0
1700	43	0	38	0	68	1	73	0	0	0	0	0	0	0	0	0	123	0	135	114	125	0	194	97	145	0	152	132	133	0	141	126	0	0	0	0	0	0	0	0
1800	43	0	40	0	83	0	71	0	0	0	0	0	0	0	0	0	149	0	177	127	148	0	191	112	183	0	194	170	169	0	186	159	0	0	0	0	0	0	0	0
1900	43	0	37	0	121	1	107	0	0	0	0	0	0	0	0	0	207	1	246	151	204	0	263	105	210	0	220	192	196	0	208	175	0	0	0	0	0	0	0	0
2000	54	0	41	0	114	0	104	0	0	0	0	0	0	0	0	0	207	0	263	162	204	0	261	141	210	0	237	190	194	0	213	169	0	0	0	0	0	0	0	0
2100	54	0	42	0	113	0	98	0	0	0	0	0	0	0	0	0	202	1	256	139	201	0	269	119	205	0	224	175	191	0	208	162	0	0	0	0	0	0	0	0
2200	55	0	42	0	138	0	115	0	0	0	0	0	0	0	0	0	193	0	261	117	192	0	266	117	200	0	214	188	186	0	202	163	0	0	0	0	0	0	0	0
2300	56	0	46	0	124	0	110	0	0	0	0	0	0	0	0	0	186	0	242	105	185	0	269	93	199	0	231	166	184	0	219	158	0	0	0	0	0	0	0	0
2400	65	0	52	0	122	0	108	0	0	0	0	0	0	0	0	0	208	0	253	137	209	0	260	140	213	0	241	186	198	0	221	165	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	50	S	AMB. TEM2 180A	S	180	S	AMB. TEM3	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	180	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	475	0	468	0	493	0	487	0	320	0	320	0	20	0	22	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	466	0	460	0	486	0	480	0	320	0	320	0	20	1	23	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	463	0	453	0	489	0	484	0	320	0	320	0	29	0	32	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	459	0	442	0	493	0	487	0	320	0	320	0	43	0	47	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	457	0	450	0	502	0	496	0	320	0	320	0	47	0	49	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	455	0	448	0	504	0	500	0	320	0	320	0	50	0	52	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	468	0	464	0	518	0	513	0	320	0	320	0	50	1	52	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
800	464	0	459	0	493	0	485	0	320	0	320	0	34	1	36	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0
900	473	0	468	0	525	0	522	0	320	0	320	0	54	1	56	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0
1000	502	0	504	0	529	0	516	0	320	0	320	0	13	1	13	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0
1100	527	0	523	0	536	0	531	0	320	0	320	0	7	1	9	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1200	0	2	0	2	0	2	0	2	5	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	662	0	655	0	653	0	649	0	320	0	320	0	-7	1	-5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1700	648	0	640	0	662	0	657	0	320	0	320	0	14	0	16	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1800	633	0	626	0	666	0	662	0	320	0	320	0	34	1	36	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
1900	635	0	628	0	660	0	655	0	320	0	320	0	25	1	25	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2000	637	0	630	0	642	0	637	0	320	0	320	0	5	1	7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2100	617	0	613	0	622	0	617	0	320	1	320	0	5	1	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2200	604	0	597	0	610	0	606	0	320	0	320	0	7	1	9	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2300	592	0	592	0	601	0	597	0	321	0	320	0	4	1	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
2400	603	0	603	0	605	0	601	0	320	0	320	0	2	1	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0

STATUS-CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
														50 A				150A				150B											
100	75	0	62	0	125	0	114	0	0	0	0	0	214	261	161		215	264	146		216	259	182		201	234	164		0	0	0		0
200	68	0	76	0	134	0	126	0	0	0	0	0	229	278	186		230	291	189		220	252	180		205	244	153		0	0	0		0
300	63	0	50	0	104	0	95	0	0	0	0	0	215	265	128		215	266	151		215	247	179		198	234	165		0	0	0		0
400	87	0	62	0	133	0	136	0	0	0	0	0	234	267	179		233	271	189		231	254	203		215	234	186		0	0	0		0
500	83	0	78	0	133	0	140	0	0	0	0	0	235	273	193		234	275	185		233	257	204		218	235	192		0	0	0		0
600	30	0	22	0	70	0	62	0	0	0	0	0	187	257	102		192	245	116		203	223	184		187	208	159		0	0	0		0
700	53	0	48	0	89	0	92	0	0	0	0	0	233	266	190		230	268	151		231	259	195		215	242	183		0	0	0		0
800	25	0	24	0	59	0	53	0	0	0	0	0	153	209	97		151	213	102		184	209	166		170	189	151		0	0	0		0
900	34	0	29	0	66	0	59	0	0	0	0	0	169	257	115		165	254	90		189	223	152		175	208	136		0	0	0		0
1000	30	0	23	0	63	0	57	0	0	0	0	0	175	249	105		176	268	94		188	234	156		174	201	147		0	0	0		0
1100	25	0	22	0	42	0	43	0	0	0	0	0	142	194	99		144	209	99		168	200	137		156	183	125		0	0	0		0
1200	25	0	23	0	32	0	35	0	0	0	0	0	144	221	92		141	193	91		164	192	138		152	175	127		0	0	0		0
1300	13	0	15	0	17	0	22	0	0	0	0	0	139	179	86		133	178	63		153	183	139		146	166	128		0	0	0		0
1400	23	0	14	0	21	0	21	0	0	0	0	0	222	289	182		228	346	181		206	243	149		192	231	161		0	0	0		0
1500	55	0	54	0	58	0	57	0	0	0	0	0	242	266	210		240	286	195		239	269	216		223	258	201		0	0	0		0
1600	34	0	30	0	42	0	45	0	0	0	0	0	275	338	208		272	338	201		282	314	245		264	309	228		0	0	0		0
1700	59	0	54	0	96	0	97	0	0	0	0	0	323	355	289		316	18	273		334	359	315		312	343	299		0	0	0		0
1800	51	0	49	0	87	0	88	0	0	0	0	0	343	20	307		338	22	297		351	8	330		330	344	278		0	0	0		0
1900	29	0	25	0	49	0	51	0	0	0	0	0	324	9	283		316	353	250		342	355	330		320	332	308		0	0	0		0
2000	42	0	37	0	55	0	60	0	0	0	0	0	293	326	276		291	343	266		313	330	302		291	305	279		0	0	0		0
2100	41	0	39	0	48	0	54	0	0	0	0	0	250	275	223		246	275	219		271	296	254		252	279	241		0	0	0		0
2200	72	0	70	0	101	0	108	0	0	0	0	0	255	283	217		252	298	211		280	289	271		261	271	252		0	0	0		0
2300	43	0	44	0	62	0	65	0	0	0	0	0	274	352	242		268	320	232		283	321	259		269	295	245		0	0	0		0
2400	68	0	64	0	103	0	106	0	0	0	0	0	320	359	280		316	17	280		336	359	297		315	342	275		0	0	0		0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	603	0	603	0	605	0	601	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	29	0
200	621	0	613	0	613	0	610	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	29	0
300	610	0	604	0	605	0	601	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	29	0
400	605	0	601	0	597	0	595	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	29	0
500	576	0	570	0	575	0	570	0	320	0	320	0	7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
600	579	0	572	0	576	0	570	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	33	0
700	577	0	572	0	572	0	568	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	48	0
800	572	0	567	0	568	0	565	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	51	0
900	563	0	561	0	563	0	558	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	67	0
1000	563	0	563	0	561	0	558	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	68	0
1100	574	0	568	0	565	0	559	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	69	0
1200	583	0	579	0	570	0	567	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	69	0
1300	585	0	577	0	572	0	568	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	80	0
1400	597	0	592	0	581	0	576	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	81	0
1500	610	0	604	0	597	0	594	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	81	0
1600	583	0	576	0	572	0	568	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	81	0
1700	563	0	558	0	559	0	554	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	81	0
1800	550	0	543	0	545	0	540	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	81	0
1900	545	0	538	0	540	0	534	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	81	0
2000	543	0	536	0	540	0	534	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	81	0
2100	554	0	547	0	554	0	550	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	81	0
2200	541	0	534	0	554	0	549	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	81	0
2300	541	0	534	0	554	0	549	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	81	0
2400	556	0	550	0	554	0	550	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	81	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND MIN 50 A S	WIND MAX 50 A S	WIND DIR2	WIND MIN 150A S	WIND MAX 150A S	WIND DIR3	WIND MIN 150B S	WIND MAX 150B S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6
100	62 1	55 0	93 0	21 0	0 0	0 0	18 1	62	301	13 0	92	237	11 0	39	327	352 0	58	306	0 0	0	0	0
200	81 0	77 0	109 0	174 0	0 0	0 0	32 1	64	357	24 0	71	340	32 0	69	5	12 0	53	347	0 0	0	0	0
300	119 0	123 0	174 0	170 0	0 0	0 0	73 1	53	8	38 0	67	347	26 0	51	354	8 0	39	341	0 0	0	0	0
400	135 0	125 0	173 0	170 0	0 0	0 0	31 1	62	9	22 0	74	352	28 0	49	8	11 0	46	343	0 0	0	0	0
500	121 0	117 0	161 0	156 0	0 0	0 0	22 1	55	4	22 0	73	348	29 0	49	334	5 0	27	328	0 0	0	0	0
600	105 0	103 0	149 0	145 0	0 0	0 0	25 1	46	348	19 0	58	304	18 0	60	353	359 0	39	333	0 0	0	0	0
700	131 0	129 0	176 0	175 0	0 0	0 0	22 1	73	3	20 0	54	335	22 0	46	349	2 0	30	322	0 0	0	0	0
800	143 0	141 0	200 0	200 0	0 0	0 0	39 1	54	2	25 0	80	357	25 0	51	359	5 0	36	337	0 0	0	0	0
900	145 0	139 0	181 0	130 0	0 0	0 0	35 1	63	8	30 0	89	0	35 0	69	5	16 0	47	342	0 0	0	0	0
1000	150 0	145 0	178 0	177 0	0 0	0 0	34 1	63	13	30 0	89	342	36 0	61	17	19 0	44	343	0 0	0	0	0
1100	151 0	135 0	176 0	136 0	0 0	0 0	43 1	67	9	40 0	92	3	49 0	107	1	26 0	96	341	0 0	0	0	0
1200	143 0	138 0	173 0	178 0	0 0	0 0	32 1	69	328	28 0	68	352	31 0	74	357	12 0	59	334	0 0	0	0	0
1300	140 0	136 0	167 0	157 0	0 0	0 0	32 1	106	5	28 0	124	326	27 0	67	347	6 0	52	329	0 0	0	0	0
1400	144 0	139 0	178 0	176 0	0 0	0 0	31 0	71	359	23 0	85	343	26 0	51	356	8 0	40	330	0 0	0	0	0
1500	122 0	124 0	163 0	160 0	0 0	0 0	29 1	74	345	22 0	30	341	29 0	77	4	11 0	39	329	0 0	0	0	0
1600	144 0	146 0	186 0	182 0	0 0	0 0	33 1	53	346	29 0	61	356	30 0	73	351	10 0	57	338	0 0	0	0	0
1700	142 0	133 0	187 0	136 0	0 0	0 0	35 1	57	13	29 0	90	352	34 0	57	13	15 0	38	343	0 0	0	0	0
1800	89 0	94 0	112 0	119 0	0 0	0 0	47 0	80	25	41 0	80	355	49 0	67	29	29 0	52	348	0 0	0	0	0
1900	93 0	95 0	115 0	135 0	0 0	0 0	57 0	87	30	52 0	102	12	58 0	84	32	41 0	68	17	0 0	0	0	0
2000	73 0	78 0	102 0	123 0	0 0	0 0	72 1	95	57	69 0	100	39	68 0	89	47	51 0	76	32	0 0	0	0	0
2100	72 0	77 0	103 0	123 0	0 0	0 0	71 1	98	40	69 0	101	56	66 0	95	46	51 0	87	36	0 0	0	0	0
2200	105 0	103 0	129 0	145 0	0 0	0 0	78 1	94	56	76 0	107	44	74 0	94	56	56 0	76	34	0 0	0	0	0
2300	72 0	73 0	119 0	133 0	0 0	0 0	71 1	98	46	71 0	103	30	67 0	96	51	50 0	78	30	0 0	0	0	0
2400	74 0	76 0	104 0	125 0	0 0	0 0	63 0	88	37	67 0	101	29	65 0	84	32	46 0	72	27	0 0	0	0	0

	AMB. TEMP1 30 A S	AMB. TEMP2 30 B S	AMB. TEMP3 150A S	AMB. TEMP4 150B S	AMB. TEMP5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	532 0	527 0	525 0	522 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
200	532 0	525 0	525 0	522 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
300	514 0	507 0	507 0	504 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
400	507 0	502 0	502 0	498 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
500	507 0	500 0	498 0	493 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
600	496 0	491 0	487 0	484 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
700	487 0	482 0	477 0	475 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
800	480 0	475 0	471 0	466 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
900	469 0	464 0	459 0	455 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
1000	457 0	451 0	446 0	442 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
1100	457 0	451 0	449 0	441 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
1200	453 0	448 0	441 0	437 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
1300	453 0	446 0	442 0	437 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
1400	441 0	441 0	435 0	432 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
1500	446 0	439 0	433 0	428 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
1600	432 0	426 0	423 0	417 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
1700	417 0	410 0	406 0	401 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
1800	394 0	385 0	387 0	383 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
1900	373 0	370 0	370 0	367 0	320 0	320 0	-7 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
2000	352 0	345 0	342 0	345 0	320 0	320 0	-2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
2100	338 0	329 0	334 0	331 0	320 0	320 0	-2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
2200	331 0	322 0	329 0	320 0	320 0	320 0	-4 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
2300	317 0	306 0	315 0	310 0	320 0	320 0	0 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
2400	305 0	297 0	305 0	279 0	320 0	320 0	-2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 4 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND DIR2 MIN	MAX	S	WIND DIR3 150A MIN	MAX	S	WIND DIR4 150B MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	81	0	79	0	113	0	116	0	0	0	0	0	71	0	91	44	69	0	111	16	67	0	100	50	50	0	76	30	0	0	0	0	0	0
200	69	0	75	0	106	0	126	0	0	0	0	0	67	0	95	44	67	0	92	34	66	0	85	53	49	0	70	39	0	0	0	0	0	0
300	63	0	68	0	110	0	128	0	0	0	0	0	71	0	92	52	68	0	112	38	61	0	77	50	45	0	62	31	0	0	0	0	0	0
400	65	0	69	0	105	0	123	0	0	0	0	0	63	0	92	41	61	0	96	32	57	0	76	43	40	0	54	21	0	0	0	0	0	0
500	83	0	90	0	117	0	139	0	0	0	0	0	58	0	83	40	53	0	97	29	55	0	74	39	37	0	53	25	0	0	0	0	0	0
600	81	0	87	0	120	0	141	0	0	0	0	0	63	0	92	40	60.	0	107	24	60	0	76	44	42	0	58	27	0	0	0	0	0	0
700	52	0	58	0	97	0	111	0	0	0	0	0	65	0	81	56	62	0	104	33	58	0	67	51	42	0	52	32	0	0	0	0	0	0
800	64	0	68	0	87	0	101	0	0	0	0	0	81	0	97	68	79	0	95	62	53	0	69	42	41	0	53	14	0	0	0	0	0	0
900	40	0	50	0	67	1	82	0	0	0	0	0	75	0	93	52	73	0	107	34	59	0	80	33	38	0	62	15	0	0	0	0	0	0
1000	78	0	77	0	99	0	101	0	0	0	0	0	57	0	91	19	53	0	95	10	54	0	80	11	36	0	68	351	0	0	0	0	0	0
1100	93	0	88	0	105	0	104	0	0	0	0	0	19	0	50	342	13	0	57	317	12	0	50	340	2	0	41	328	0	0	0	0	0	0
1200	93	5	85	0	113	0	114	0	0	0	0	0	23	0	86	331	17	0	68	298	15	0	47	333	356	0	33	310	0	0	0	0	0	0
1300	65	0	58	0	99	0	101	0	0	0	0	0	9	0	69	280	9	0	122	273	8	0	59	290	352	0	58	300	0	0	0	0	0	0
1400	70	0	65	0	115	0	115	0	0	0	0	0	11	0	75	312	7	0	93	302	8	0	55	324	347	0	96.	296	0	0	0	0	0	0
1500	83	0	77	0	137	0	135	0	0	0	0	0	4	0	46	307	6	0	68	289	6	0	52	303	347	0	36	308	0	0	0	0	0	0
1600	95	0	90	0	153	0	148	0	0	0	0	0	15	0	64	313	9	0	85	298	7	0	60	317	346	0	26	297	0	0	0	0	0	0
1700	131	0	124	0	194	0	191	0	0	0	0	0	23	0	62	342	17	0	67	315	14	0	52	340	354	0	49	318	0	0	0	0	0	0
1800	141	0	133	0	202	0	199	0	0	0	0	0	24	0	68	337	17	0	62	327	16	0	43	332	356	0	28	307	0	0	0	0	0	0
1900	145	0	139	0	205	0	201	0	0	0	0	0	25	0	78	358	17	0	77	316	13	0	41	348	358	0	35	319	0	0	0	0	0	0
2000	150	0	143	0	207	0	202	0	0	0	0	0	29	0	62	5	24	0	73	338	23	0	50	3	6	0	42	344	0	0	0	0	0	0
2100	129	0	123	0	179	0	175	0	0	0	0	0	31	0	61	11	26	0	67	327	30	0	67	6	10	0	70	337	0	0	0	0	0	0
2200	103	0	107	0	154	0	149	0	0	0	0	0	49	0	86	24	45	0	86	14	50	0	76	22	32	0	66	8	0	0	0	0	0	0
2300	87	0	90	0	120	0	131	0	0	0	0	0	51	0	86	23	47	0	99	11	49	0	71	28	30	0	75	0	0	0	0	0	0	0
2400	67	0	69	0	101	0	110	0	0	0	0	0	51	0	73	25	46	0	78	4	49	0	75	31	30	0	49	14	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	O.T. 1 150A	S	O.T. 2 150B	S	O.T. 3	S	O.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	295	0	287	0	296	0	290	0	320	0	320	0	9	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	81	0
200	288	0	281	0	290	0	287	0	320	0	320	0	2	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	81	0
300	283	0	272	0	290	0	287	0	320	0	320	0	9	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	81	0
400	281	0	272	0	285	0	281	0	320	0	320	0	4	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	81	0
500	283	0	274	0	283	0	279	0	320	0	320	0	2	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	81	0
600	281	0	272	0	283	0	279	0	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	81	0
700	274	0	265	0	290	0	285	0	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	81	0
800	290	0	283	0	308	0	305	0	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	81	0
900	333	0	333	0	351	0	327	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1000	383	0	378	0	369	0	355	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1100	392	0	385	0	381	0	378	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1200	403	0	397	0	392	0	388	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1300	430	0	424	0	404	0	405	0	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1400	459	0	442	0	423	0	424.	0	320	0	320	0	-20	0	-20	0	0	0	0	0	350	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1500	464	0	459	0	446	0	441	0	320	0	320	0	-15	0	-16	0	0	0	0	0	374	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1600	463	0	460	0	453	0	448	0	320	0	320	0	-13	0	-11	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1700	460	0	455	0	451	0	446	0	320	0	320	0	-9	0	-7	0	0	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1800	455	0	446	0	445	0	441	0	320	0	320	0	-7	0	-5	0	0	0	0	0	370	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1900	453	0	446	0	444	0	439	0	320	0	320	0	-7	0	-5	0	0	0	0	0	379	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2000	457	0	450	0	446	0	441	0	320	0	320	0	-9	0	-7	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2100	453	0	446	0	444	0	439	0	320	0	320	0	-9	0	-7	0	0	0	0	0	378	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2200	426	0	419	0	421	0	415	0	320	0	320	0	-5	0	-4	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2300	403	0	396	0	399	0	394	0	320	0	320	0	-4	0	0	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2400	381	0	379	0	383	0	376	0	320	0	320	0	4	0	7	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 30 A S	WIND SPD2 30 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 30 A S	WIND DIR2 MIN	WIND DIR2 MAX	WIND DIR2 30 A S	WIND DIR3 MIN	WIND DIR3 MAX	WIND DIR3 150A S	WIND DIR4 MIN	WIND DIR4 MAX	WIND DIR4 150B S	WIND DIR5 MIN	WIND DIR5 MAX	WIND DIR5 S	WIND DIR6 MIN	WIND DIR6 MAX	WIND DIR6 S
100	81 0	77 0	133 1	133 0	1 1	0 0	44 0	64	31	40 0	68	14	43 0	51	34	23 0	33	15	0 0	0	0	0 0
200	63 0	73 0	125 0	117 0	0 0	0 0	35 0	47	18	30 0	49	4	35 0	51	26	16 0	26	7	0 0	0	0	0 0
300	53 0	53 0	113 1	120 0	0 0	0 0	67 0	79	52	66 0	84	37	57 0	69	50	39 0	49	31	0 0	0	0	0 0
400	57 0	52 0	92 0	117 0	0 0	0 0	65 0	75	56	63 0	73	50	53 0	55	50	34 0	42	31	0 0	0	0	0 0
500	66 0	70 0	123 0	121 0	0 0	0 0	52 0	63	44	49 0	57	29	44 0	51	40	24 0	31	20	0 0	0	0	0 0
600	47 0	47 0	82 0	82 0	0 0	0 0	57 0	61	37	47 0	59	35	30 0	43	15	10 0	26	358	0 0	0	0	0 0
700	50 0	48 0	80 0	88 0	0 0	0 0	44 0	75	4	42 0	86	354	15 0	37	348	355 0	45	329	0 0	0	0	0 0
800	57 2	57 2	91 2	99 2	0 0	0 0	45 2	75	10	43 2	76	7	18 2	48	344	0 2	45	330	0 0	0	0	0 0
900	42 0	40 0	83 0	86 0	0 0	0 0	68 0	109	11	66 0	130	14	24 0	46	2	7 0	60	335	0 0	0	0	0 0
1000	35 0	32 0	55 0	63 0	0 0	0 0	87 0	115	60	86 0	132	48	72 0	112	30	55 0	102	8	0 0	0	0	0 0
1100	54 0	50 0	67 0	68 0	0 0	0 0	21 0	78	315	18 0	80	293	16 0	46	333	357 0	54	324	0 0	0	0	0 0
1200	53 0	51 0	66 0	62 0	0 0	0 0	328 0	32	298	320 0	19	273	340 0	29	299	320 0	54	281	0 0	0	0	0 0
1300	43 0	47 0	65 0	68 0	0 0	0 0	317 0	1	273	308 0	355	283	339 0	9	284	312 0	349	276	0 0	0	0	0 0
1400	46 0	43 0	53 0	60 0	0 0	0 0	315 0	359	235	310 0	354	232	333 0	3	278	311 0	349	266	0 0	0	0	0 0
1500	64 0	63 0	82 0	89 0	0 0	0 0	313 0	352	271	306 0	347	239	322 0	340	285	301 0	320	261	0 0	0	0	0 0
1600	97 0	94 0	123 0	127 0	0 0	0 0	319 0	13	271	316 0	25	270	329 0	1	285	309 0	334	283	0 0	0	0	0 0
1700	88 0	87 0	115 0	119 0	0 0	0 0	312 0	346	279	311 0	345	267	329 0	348	300	308 0	325	291	0 0	0	0	0 0
1800	53 0	50 0	66 0	70 0	0 0	0 0	336 0	21	300	330 0	11	301	343 0	6	322	322 0	340	298	0 0	0	0	0 0
1900	43 0	45 0	65 0	67 0	0 0	0 0	325 0	13	290	318 0	22	283	329 0	359	310	308 0	333	298	0 0	0	0	0 0
2000	45 0	42 0	56 0	61 0	0 0	0 0	317 0	354	282	309 0	354	256	317 0	336	289	296 0	313	271	0 0	0	0	0 0
2100	37 0	35 0	44 0	52 0	0 0	0 0	289 0	329	248	281 0	316	240	294 0	326	254	272 0	300	242	0 0	0	0	0 0
2200	35 0	32 0	44 0	51 0	0 0	0 0	288 0	310	265	284 0	308	261	292 0	309	251	272 0	290	246	0 0	0	0	0 0
2300	23 0	24 0	43 0	47 0	0 0	0 0	262 0	288	233	257 0	279	221	290 0	300	265	271 0	280	256	0 0	0	0	0 0
2400	53 0	54 0	85 0	90 0	0 0	0 0	235 0	260	190	234 0	272	200	258 0	265	240	241 0	250	226	0 0	0	0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	387 0	378 0	403 0	397 0	320 0	320 0	16 1	20 0	0 0	0 0	373 2	0 0	0 0	0 0	0 0	0 0	0 0	82 0
200	405 0	397 0	412 0	408 0	320 0	320 0	7 1	11 0	0 0	0 0	718 2	0 0	0 0	0 0	0 0	0 0	0 0	82 0
300	377 0	370 0	397 0	396 0	320 0	320 0	22 1	25 0	0 0	0 0	702 2	0 0	0 0	0 0	0 0	0 0	0 0	82 0
400	365 0	356 0	397 0	392 0	320 0	320 0	34 1	38 0	0 0	0 0	688 2	0 0	0 0	0 0	0 0	0 0	0 0	82 0
500	361 0	352 0	390 0	387 0	320 0	320 0	31 1	34 0	0 0	0 0	687 2	0 0	0 0	0 0	0 0	0 0	0 0	82 0
600	353 0	342 0	383 0	379 0	320 0	320 0	27 1	31 0	0 0	0 0	698 2	0 0	0 0	0 0	0 0	0 0	0 0	82 0
700	352 0	345 0	395 0	390 0	320 0	320 0	43 1	47 0	0 0	0 0	590 2	0 0	0 0	0 0	0 0	0 0	0 0	82 0
800	392 2	383 2	417 2	414 2	320 0	320 0	23 2	27 2	0 0	0 0	381 2	0 0	0 0	0 0	0 0	0 0	0 0	82 0
900	396 0	390 0	421 0	417 0	320 0	320 0	25 0	25 0	0 0	0 0	361 2	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1000	441 0	437 0	432 0	426 0	320 0	320 0	-7 1	-9 0	0 0	0 0	396 2	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1100	471 0	466 0	457 0	457 0	320 0	320 0	-11 0	-9 0	0 0	0 0	410 0	0 0	0 0	0 0	0 0	0 0	0 0	12 0
1200	496 0	491 0	473 0	471 0	320 0	320 0	-23 0	-20 0	0 0	0 0	433 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1300	507 0	500 0	475 0	471 0	320 0	320 0	-32 0	-29 0	0 0	0 0	424 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1400	507 0	502 0	473 0	471 0	321 0	320 0	-34 0	-31 0	0 0	0 0	428 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1500	504 0	496 0	469 0	466 0	320 0	320 0	-32 0	-31 0	0 0	0 0	421 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1600	484 0	477 0	464 0	459 0	320 0	320 0	-20 0	-18 0	0 0	0 0	415 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1700	453 0	446 0	441 0	435 0	320 0	320 0	-13 0	-11 0	0 0	0 0	419 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1800	437 0	428 0	439 0	429 0	321 0	320 0	-7 0	-5 0	0 0	0 0	421 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1900	432 0	426 0	428 0	424 0	320 0	320 0	-4 0	0 0	0 0	0 0	417 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
2000	432 0	424 0	428 0	423 0	321 0	320 0	-2 1	0 0	0 0	0 0	419 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
2100	419 0	410 0	430 0	424 0	320 0	320 0	13 1	16 0	0 0	0 0	410 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
2200	423 0	414 0	433 0	431 0	321 0	320 0	14 1	22 0	0 0	0 0	408 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
2300	423 0	417 0	443 0	442 0	320 0	320 0	22 1	27 0	0 0	0 0	410 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
2400	417 0	410 0	432 0	426 0	320 0	320 0	16 1	18 0	0 0	0 0	433 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	DIR4	MIN	MAX	DIR5	MIN	MAX	DIR6
														50	S		150A	S		150B	S		S			S		
100	56	0	44	0	88	0	82	0	0	0	0	0	223	0	241	209	222	0	248	204	241	0	252	227	225	0	239	212	0	0	0	0	0	0
200	73	0	71	0	100	0	109	0	0	0	0	0	253	0	297	220	250	0	308	213	271	0	307	251	255	0	289	235	0	0	0	0	0	0
300	82	0	79	0	109	0	116	0	0	0	0	0	287	0	324	254	282	0	318	245	295	0	313	264	276	0	297	250	0	0	0	0	0	0
400	79	0	73	0	102	0	107	0	0	0	0	0	275	0	308	241	269	0	317	235	286	0	321	245	269	0	302	231	0	0	0	0	0	0
500	93	0	87	0	107	0	114	0	0	0	0	0	274	0	331	242	269	0	332	226	287	0	329	255	269	0	313	229	0	0	0	0	0	0
600	114	0	112	0	140	0	148	0	0	0	0	0	270	0	322	242	268	0	313	227	279	0	303	241	252	0	293	229	0	0	0	0	0	0
700	123	0	120	0	151	0	156	0	0	0	0	0	270	0	295	244	266	0	300	223	281	0	316	252	263	0	288	237	0	0	0	0	0	0
800	122	0	118	0	134	0	143	0	0	0	0	0	269	0	293	248	264	0	294	226	275	0	297	249	257	0	273	230	0	0	0	0	0	0
900	73	0	65	0	121	0	132	0	1	0	0	0	233	0	261	200	232	0	259	194	243	0	258	224	226	0	242	205	0	0	0	0	0	0
1000	81	0	74	0	106	0	116	0	0	0	0	0	237	0	281	203	234	0	283	198	240	0	269	204	224	0	246	197	0	0	0	0	0	0
1100	121	0	118	0	143	0	154	0	0	0	0	0	245	0	266	219	243	0	281	211	248	0	258	230	233	0	246	213	0	0	0	0	0	0
1200	104	0	102	0	145	0	157	0	0	0	0	0	252	0	288	221	250	0	315	219	256	0	273	245	240	0	258	215	0	0	0	0	0	0
1300	102	0	97	0	161	0	169	0	0	0	0	0	256	0	302	225	252	0	294	211	260	0	282	242	244	0	264	212	0	0	0	0	0	0
1400	117	0	115	0	149	0	161	0	0	0	0	0	249	0	270	227	246	0	290	215	253	0	271	236	237	0	251	212	0	0	0	0	0	0
1500	93	0	97	0	151	0	163	0	0	0	0	0	260	0	308	220	255	0	287	194	262	0	281	232	246	0	264	213	0	0	0	0	0	0
1600	147	0	149	0	175	0	183	0	0	0	0	0	264	0	284	250	264	0	284	241	270	0	287	252	254	0	264	245	0	0	0	0	0	0
1700	76	0	74	0	91	0	97	0	0	0	0	0	264	0	302	234	260	0	299	230	271	0	297	247	253	0	274	233	0	0	0	0	0	0
1800	63	0	60	0	96	0	104	0	0	0	0	0	257	0	284	215	252	0	286	214	260	0	281	241	243	0	262	219	0	0	0	0	0	0
1900	99	0	98	0	111	0	118	0	0	0	0	0	265	0	294	243	261	0	294	219	275	0	313	230	257	0	297	240	0	0	0	0	0	0
2000	82	0	76	0	107	0	113	0	0	0	0	0	303	0	326	291	297	0	328	219	310	0	325	298	289	0	300	230	0	0	0	0	0	0
2100	79	0	76	0	89	0	95	0	0	0	0	0	270	0	299	248	265	0	289	235	276	0	311	258	257	0	289	235	0	0	0	0	0	0
2200	65	0	62	0	99	0	107	0	0	0	0	0	267	0	297	238	261	0	303	225	275	0	304	252	257	0	284	227	0	0	0	0	0	0
2300	51	0	46	0	67	0	63	0	0	0	0	0	304	0	341	274	298	0	350	255	308	0	328	286	296	0	320	252	0	0	0	0	0	0
2400	21	0	18	0	29	0	27	0	0	0	0	0	308	0	344	234	304	0	330	229	321	0	335	300	279	0	315	274	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	415	0	408	0	432	0	426	0	320	0	320	0	18	0	20	0	0	0	0	0	435	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
200	437	0	430	0	460	0	444	0	320	0	320	0	13	0	14	0	0	0	0	0	437	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
300	469	0	464	0	475	0	471	0	320	0	320	0	7	0	9	0	0	0	0	0	417	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
400	482	0	477	0	480	0	475	0	320	0	320	0	2	0	0	0	0	0	0	0	408	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
500	487	0	482	0	482	0	478	0	320	0	320	0	-4	0	-4	0	0	0	0	0	410	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
600	489	0	484	0	482	0	478	0	320	0	320	0	-5	0	-5	0	0	0	0	0	406	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
700	486	0	478	0	478	0	475	0	320	0	320	0	-5	0	-5	0	0	0	0	0	401	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
800	489	0	484	0	482	0	477	0	320	0	320	0	-7	0	-5	0	0	0	0	0	405	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
900	442	0	435	0	448	0	442	0	320	0	320	0	7	0	7	0	0	0	0	0	410	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1000	464	0	459	0	450	0	444	0	320	0	320	0	-14	0	-11	0	0	0	0	0	415	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1100	484	0	478	0	486	0	482	0	320	0	320	0	-16	0	-14	0	0	0	0	0	460	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1200	484	0	477	0	471	0	468	0	320	0	320	0	-13	0	-11	0	0	0	0	0	453	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1300	489	0	482	0	477	0	475	0	320	0	320	0	-11	0	-9	0	0	0	0	0	439	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1400	495	0	487	0	482	0	477	0	320	0	320	0	-11	0	-9	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1500	493	0	491	0	484	0	480	0	320	0	320	0	-13	0	-11	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1600	496	0	491	0	487	0	484	0	320	0	320	0	-9	0	-7	0	0	0	0	0	435	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1700	486	0	478	0	475	0	471	0	320	0	320	0	-9	0	-9	0	0	0	0	0	444	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1800	495	0	487	0	487	0	482	0	320	0	320	0	-5	0	-5	0	0	0	0	0	437	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1900	504	0	496	0	495	0	489	0	320	0	320	0	-7	0	-7	0	0	0	0	0	437	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2000	499	0	491	0	489	0	486	0	320	0	320	0	-7	0	-5	0	0	0	0	0	432	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2100	505	0	500	0	496	0	491	0	320	0	320	0	-7	0	-7	0	0	0	0	0	430	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2200	503	0	495	0	491	0	486	0	320	0	320	0	-7	0	-7	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2300	491	0	484	0	482	0	478	0	320	0	320	0	-7	0	-5	0	0	0	0	0	444	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2400	489	0	482	0	480	0	477	0	320	0	320	0	-7	0	-5	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 50 A S	WIND MIN 50 B S	WIND MAX 50 B S	WIND DIR2	WIND MIN 150A S	WIND MAX 150A S	WIND DIR3	WIND MIN 150B S	WIND MAX 150B S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6
100	19 0	76 2	83 2	95 2	0 0	0 0	181 1	221	157	191 0	258	141	11 1	171	342	245 0	358	102	0 0	0	0	0 0
200	33 0	29 0	29 0	27 0	0 0	0 0	163 1	189	145	165 0	198	125	162 0	176	146	151 0	165	133	0 0	0	0	0 0
300	31 0	30 0	52 0	41 0	0 0	0 0	184 1	225	127	135 3	241	123	193 0	203	168	178 0	135	173	0 0	0	0	0 0
400	31 0	25 0	57 0	30 0	0 0	0 0	168 1	193	129	167 0	198	129	169 0	194	183	175 0	180	170	0 0	0	0	0 0
500	34 0	32 0	38 0	33 0	0 0	0 0	124 1	133	117	126 0	136	114	135 0	139	132	125 0	129	119	0 0	0	0	0 0
600	43 0	38 0	51 0	55 0	0 0	0 0	101 1	116	74	101 0	140	69	125 0	133	111	114 0	123	104	0 0	0	0	0 0
700	43 0	43 0	76 0	81 0	0 0	0 0	122 1	144	113	124 0	148	101	143 0	153	138	132 0	140	128	0 0	0	0	0 0
800	51 0	49 0	105 0	111 0	0 0	0 0	145 1	175	114	146 0	187	115	158 0	169	146	147 0	156	133	0 0	0	0	0 0
900	48 0	43 0	79 0	73 0	0 0	0 0	147 1	206	105	145 0	205	90	166 1	197	136	153 0	196	95	0 0	0	0	0 0
1000	45 0	36 0	75 0	73 0	0 0	0 0	172 1	259	94	172 0	268	92	184 0	231	118	170 0	214	116	0 0	0	0	0 0
1100	47 0	43 0	97 0	88 0	0 0	0 0	171 1	266	96	165 0	267	91	184 0	241	99	170 0	212	107	0 0	0	0	0 0
1200	34 0	27 0	62 0	55 0	0 0	0 0	189 0	266	105	198 3	269	92	193 0	257	139	190 0	253	129	0 0	0	0	0 0
1300	41 0	38 0	64 0	59 0	0 0	0 0	169 1	261	97	163 0	232	99	182 0	246	132	168 0	212	118	0 0	0	0	0 0
1400	29 0	24 0	52 0	46 0	0 0	0 0	185 0	253	99	180 3	269	92	193 0	255	140	180 0	257	122	0 0	0	0	0 0
1500	24 0	22 0	47 0	45 0	0 0	0 0	180 3	262	93	177 3	269	91	191 0	233	146	177 0	225	136	0 0	0	0	0 0
1600	19 0	14 0	18 0	22 0	0 0	0 0	247 0	305	182	249 3	315	186	221 0	269	166	207 0	260	133	0 0	0	0	0 0
1700	25 0	20 0	25 0	35 0	0 0	0 0	293 0	321	259	294 0	326	259	269 0	299	234	252 0	287	222	0 0	0	0	0 0
1800	27 0	24 0	46 0	53 0	0 0	0 0	249 1	294	203	235 0	298	198	259 0	280	242	242 0	265	223	0 0	0	0	0 0
1900	31 0	21 0	48 0	48 0	0 0	0 0	198 0	231	159	197 0	233	153	233 0	250	211	210 0	236	197	0 0	0	0	0 0
2000	23 0	17 0	75 0	67 0	0 0	0 0	179 0	214	131	173 3	202	128	186 0	195	178	172 0	179	164	0 0	0	0	0 0
2100	34 0	25 0	74 0	67 0	0 0	0 0	199 0	232	125	196 3	234	129	192 0	230	167	176 0	206	153	0 0	0	0	0 0
2200	53 0	44 0	115 0	96 0	0 0	0 0	199 0	253	125	191 0	264	111	196 0	217	163	162 0	205	162	0 0	0	0	0 0
2300	52 0	45 0	130 0	111 0	0 0	0 0	191 1	264	92	194 0	260	125	202 0	235	181	186 0	208	166	0 0	0	0	0 0
2400	63 0	53 0	150 0	115 0	0 0	0 0	205 0	244	155	203 0	258	119	212 0	231	188	197 0	214	174	0 0	0	0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	O.T. 1 130A S	O.T. 2 180B S	O.T. 3 S	O.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	486 0	478 0	482 0	477 0	329 0	320 0	-2 1	0 0	0 0	0 0	444 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
200	477 0	471 0	477 0	475 0	329 0	320 0	4 1	5 0	0 0	0 0	441 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
300	475 0	469 0	477 0	473 0	329 0	320 0	5 0	5 0	0 0	0 0	437 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
400	473 0	473 0	482 0	477 0	329 0	320 0	5 0	5 0	0 0	0 0	433 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
500	469 0	464 0	484 0	478 0	329 0	320 0	16 0	16 0	0 0	0 0	428 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
600	466 0	459 0	475 0	473 0	329 0	320 0	13 0	14 0	0 0	0 0	426 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
700	462 0	457 0	469 0	464 0	329 0	320 0	7 0	9 0	0 0	0 0	430 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
800	465 0	460 0	469 0	464 0	329 0	320 0	4 0	5 0	0 0	0 0	426 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
900	480 0	475 0	469 0	464 0	329 0	320 0	-11 0	-11 0	0 0	0 0	421 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1000	481 0	471 0	477 0	473 0	329 0	320 0	-20 0	-18 0	0 0	0 0	423 0	0 0	0 0	0 0	0 0	0 0	0 0	58 0
1100	505 0	500 0	482 0	478 0	329 0	320 0	-23 0	-22 0	0 0	0 0	428 0	0 0	0 0	0 0	0 0	0 0	0 0	82 6
1200	520 0	514 0	486 0	483 0	329 0	320 0	-22 0	-20 0	0 0	0 0	426 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1300	523 0	518 0	504 0	500 0	329 0	320 0	-20 0	-18 0	0 0	0 0	426 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1400	523 0	518 0	505 0	502 0	329 0	320 0	-14 0	-14 0	0 0	0 0	430 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1500	535 0	531 0	523 0	520 0	329 0	320 0	-13 0	-13 0	0 0	0 0	433 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1600	554 0	549 0	540 0	536 0	329 0	320 0	-13 0	-11 0	0 0	0 0	441 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1700	523 0	516 0	527 0	523 0	329 0	320 0	5 0	7 0	0 0	0 0	433 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1800	526 0	520 0	527 0	522 0	329 0	320 0	4 0	5 0	0 0	0 0	435 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1900	529 0	523 0	536 0	531 0	329 0	320 0	7 0	9 0	0 0	0 0	437 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
2000	529 0	523 0	541 0	536 0	329 0	320 0	22 0	25 0	0 0	0 0	433 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
2100	520 0	513 0	529 0	523 0	329 0	320 0	11 0	13 0	0 0	0 0	449 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
2200	522 0	516 0	523 0	518 0	329 0	320 0	2 0	4 0	0 0	0 0	423 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
2300	500 0	493 0	509 0	504 0	329 0	320 0	9 0	11 0	0 0	0 0	415 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0
2400	482 0	482 0	491 0	493 0	329 0	320 0	11 0	11 0	0 0	0 0	414 0	0 0	0 0	0 0	0 0	0 0	0 0	82 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 52 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 C	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	93	0	82	0	143	0	146	0	0	0	0	0	229	0	261	193	227	0	270	185	226	0	248	203	211	0	233	185	0	0	0	0	0	0	0	0
200	78	0	63	0	115	0	109	0	0	0	0	0	219	0	243	163	215	0	251	170	229	0	251	195	205	0	236	167	0	0	0	0	0	0	0	0
300	62	0	46	0	155	0	130	0	0	0	0	0	200	0	241	157	200	0	244	136	214	0	225	197	200	0	215	185	0	0	0	0	0	0	0	0
400	60	0	50	0	125	0	142	0	0	0	0	0	183	0	227	136	177	0	220	116	193	0	212	185	184	0	201	165	0	0	0	0	0	0	0	0
500	61	0	49	0	122	0	104	0	0	0	0	0	193	0	239	105	181	0	238	113	201	0	215	192	186	0	203	163	0	0	0	0	0	0	0	0
600	54	0	42	0	117	0	132	0	0	0	0	0	197	0	242	145	191	0	239	119	207	0	222	189	193	0	208	173	0	0	0	0	0	0	0	0
700	51	0	38	0	113	0	131	0	0	0	0	0	194	0	244	119	194	0	264	117	210	0	232	194	196	0	214	174	0	0	0	0	0	0	0	0
800	35	0	29	0	71	0	59	0	0	0	0	0	193	0	244	130	192	3	248	102	205	0	229	179	191	0	217	155	0	0	0	0	0	0	0	0
900	47	0	39	0	106	0	89	0	0	0	0	0	199	0	240	101	185	0	238	96	199	0	214	152	185	0	211	155	0	0	0	0	0	0	0	0
1000	46	0	41	0	95	0	80	0	0	0	0	0	187	0	267	115	184	0	244	113	194	0	214	159	179	0	206	144	0	0	0	0	0	0	0	0
1100	36	0	30	0	73	0	66	0	0	0	0	0	177	0	249	104	185	3	251	103	193	0	240	146	172	0	220	133	0	0	0	0	0	0	0	0
1200	37	0	28	0	67	0	60	0	0	0	0	0	195	0	260	133	194	3	268	98	199	0	236	156	186	0	235	135	0	0	0	0	0	0	0	0
1300	67	0	62	0	89	0	92	0	0	0	0	0	243	0	287	204	240	0	296	196	237	0	273	202	221	0	257	168	0	0	0	0	0	0	0	0
1400	72	0	58	0	81	0	99	0	0	0	0	0	246	0	301	217	244	0	298	194	245	0	264	203	227	0	250	194	0	0	0	0	0	0	0	0
1500	57	0	54	0	80	0	89	0	0	0	0	0	255	0	309	222	249	0	291	195	262	0	289	234	244	0	275	207	0	0	0	0	0	0	0	0
1600	54	0	52	0	79	0	75	0	0	0	0	0	252	0	306	226	251	0	296	206	257	0	265	251	241	0	247	232	0	0	0	0	0	0	0	0
1700	40	0	37	0	54	0	59	0	0	0	0	0	242	0	252	231	240	0	257	219	260	0	277	245	243	0	260	228	0	0	0	0	0	0	0	0
1800	37	0	24	0	52	0	53	0	0	0	0	0	206	0	228	186	204	0	237	181	222	0	242	191	207	0	227	175	0	0	0	0	0	0	0	0
1900	52	0	41	0	132	0	104	0	0	0	0	0	181	0	218	143	191	0	235	110	197	0	203	189	181	0	190	174	0	0	0	0	0	0	0	0
2000	52	0	41	0	144	0	112	0	0	0	0	0	181	0	226	136	184	0	253	96	194	0	202	182	179	0	189	167	0	0	0	0	0	0	0	0
2100	53	0	49	0	145	0	114	0	0	0	0	0	172	0	204	139	170	0	231	114	193	0	202	184	177	0	185	167	0	0	0	0	0	0	0	0
2200	60	0	51	0	134	0	113	0	0	0	0	0	172	0	214	134	171	0	234	92	186	0	200	166	172	0	193	153	0	0	0	0	0	0	0	0
2300	64	0	58	0	152	0	129	0	0	0	0	0	169	0	213	123	166	0	206	95	186	0	195	168	171	0	192	161	0	0	0	0	0	0	0	0
2400	63	0	59	0	145	0	130	0	0	0	0	0	165	0	193	135	165	0	223	120	181	0	190	167	167	0	177	154	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 130A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	498	0	493	0	502	0	496	0	320	0	320	0	4	0	5	0	0	0	0	0	417	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
200	487	0	484	0	493	0	487	0	320	0	320	0	4	0	5	0	0	0	0	0	415	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
300	464	0	459	0	484	0	478	0	320	0	320	0	20	0	22	0	0	0	0	0	415	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
400	466	0	460	0	471	0	468	0	320	0	320	0	5	0	7	0	0	0	0	0	417	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
500	473	0	473	0	484	0	480	0	320	0	320	0	7	0	9	0	0	0	0	0	423	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
600	486	0	480	0	489	0	486	0	320	0	320	0	5	0	7	0	0	0	0	0	423	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
700	495	0	489	0	505	0	500	0	320	0	320	0	11	0	11	0	0	0	0	0	421	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
800	491	0	486	0	487	0	482	0	320	0	320	0	-4	0	-4	0	0	0	0	0	433	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
900	495	0	489	0	489	0	484	0	320	0	320	0	-5	0	-4	0	0	0	0	0	464	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1000	507	0	504	0	503	0	495	0	320	0	320	0	-9	0	-7	0	0	0	0	0	342	2	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1100	529	0	523	0	513	0	507	0	323	0	320	0	-16	0	-16	0	0	0	0	0	480	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1200	557	0	554	0	541	0	536	0	320	0	320	0	-16	0	-16	0	0	0	0	0	450	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1300	608	0	603	0	593	0	585	0	323	0	320	0	-16	0	-16	0	0	0	0	0	449	0	0	0	0	0	0	0	0	0	0	0	0	0	82	6
1400	624	0	619	0	608	0	603	0	320	0	320	0	-16	0	-14	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1500	617	0	612	0	605	0	603	0	320	0	320	0	-11	0	-9	0	0	0	0	0	439	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1600	617	0	612	0	617	0	613	0	320	0	320	0	4	0	4	0	0	0	0	0	436	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1700	604	0	597	0	595	0	588	0	320	0	320	0	-9	0	-9	0	0	0	0	0	435	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1800	586	0	581	0	603	0	597	0	320	0	320	0	-16	0	20	0	0	0	0	0	435	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1900	565	0	559	0	592	0	588	0	320	0	320	0	29	0	31	0	0	0	0	0	433	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2000	554	0	549	0	581	0	576	0	320	0	320	0	27	0	29	0	0	0	0	0	437	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2100	541	0	534	0	575	0	570	0	320	0	320	0	36	0	38	0	0	0	0	0	471	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2200	527	0	522	0	543	0	540	0	320	0	320	0	18	0	20	0	0	0	0	0	465	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2300	520	0	514	0	545	0	540	0	320	0	320	0	27	0	29	0	0	0	0	0	462	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2400	513	0	505	0	531	0	525	0	320	0	320	0	20	0	22	0	0	0	0	0	460	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	WIND DIR2			WIND DIR3			WIND DIR4			WIND DIR5			WIND DIR6		
	30 A	S	30 B	S	150A	S	150B	S		S	30 A	S		MIN	MAX	DIR	MIN	MAX	DIR	MIN	MAX	DIR	MIN	MAX	DIR	MIN	MAX	DIR
100	65	0	59	0	152	0	127	0	0	0	0	0	161	263	129	159	0	200	112	186	0	196	173	171	0	182	160	0	0	0	0	0	0
200	59	0	54	0	136	0	127	0	0	0	0	0	146	178	116	146	0	186	106	175	0	189	159	162	0	173	149	0	0	0	0	0	0
300	57	0	47	0	125	0	114	0	0	0	0	0	156	224	91	153	0	225	94	177	0	189	162	153	0	183	151	0	0	0	0	0	0
400	57	0	52	0	129	0	112	0	0	0	0	0	165	202	120	165	0	223	106	182	0	199	157	169	0	187	145	0	0	0	0	0	0
500	55	0	43	0	125	0	105	0	0	0	0	0	184	254	122	130	0	259	120	189	0	212	175	175	0	200	160	0	0	0	0	0	0
600	60	0	55	0	137	0	118	0	0	0	0	0	163	207	122	165	0	243	95	187	0	201	166	172	0	197	152	0	0	0	0	0	0
700	71	0	68	0	147	0	131	0	0	0	0	0	163	213	111	161	0	241	109	180	0	203	161	166	0	197	151	0	0	0	0	0	0
800	64	0	74	0	148	0	139	0	0	0	0	0	151	196	103	151	0	194	113	171	0	193	154	158	0	177	144	0	0	0	0	0	0
900	61	0	69	0	143	0	137	0	0	0	0	0	145	193	98	147	0	183	107	165	0	179	149	151	0	167	132	0	0	0	0	0	0
1000	75	0	87	0	148	0	145	0	0	0	0	0	149	209	99	150	0	190	108	169	0	192	146	155	0	177	132	0	0	0	0	0	0
1100	81	0	79	0	133	0	130	0	0	0	0	0	142	179	116	142	0	182	110	160	0	184	129	148	0	178	122	0	0	0	0	0	0
1200	98	0	95	0	151	0	154	0	0	0	0	0	145	172	114	145	0	191	103	156	0	174	135	144	0	166	123	0	0	0	0	0	0
1300	81	0	80	0	126	0	130	0	0	0	0	0	148	192	101	147	0	184	96	160	0	185	135	138	0	166	126	0	0	0	0	0	0
1400	82	0	80	0	128	0	130	0	0	0	0	0	143	197	91	147	0	212	94	161	0	195	131	148	0	194	111	0	0	0	0	0	0
1500	65	0	63	0	115	0	118	0	0	0	0	0	140	199	95	141	0	226	95	157	0	197	126	144	0	174	120	0	0	0	0	0	0
1600	40	0	36	0	85	0	79	0	0	0	0	0	154	246	99	149	0	214	95	172	0	202	137	159	0	193	133	0	0	0	0	0	0
1700	72	0	66	0	91	0	97	0	0	0	0	0	122	137	103	124	0	199	90	125	0	135	110	113	0	122	91	0	0	0	0	0	0
1800	52	0	49	0	109	0	115	0	0	0	0	0	144	184	117	147	0	180	121	161	0	170	151	148	0	156	133	0	0	0	0	0	0
1900	69	0	60	0	126	0	131	0	0	0	0	0	133	147	119	137	0	156	116	150	0	157	140	138	0	144	130	0	0	0	0	0	0
2000	59	0	55	0	125	0	132	0	0	0	0	0	132	151	114	135	0	163	103	154	0	163	145	142	0	148	134	0	0	0	0	0	0
2100	74	0	69	0	131	0	137	0	0	0	0	0	139	154	115	135	0	165	110	149	0	158	133	138	0	145	128	0	0	0	0	0	0
2200	66	0	63	0	123	0	126	0	0	0	0	0	150	193	112	149	0	227	105	62	0	175	143	149	0	165	130	0	0	0	0	0	0
2300	70	0	69	0	134	0	139	0	0	0	0	0	143	173	124	147	0	188	110	164	0	174	144	151	0	163	140	0	0	0	0	0	0
2400	71	0	71	0	133	0	138	0	0	0	0	0	145	176	120	144	0	181	107	162	0	178	144	149	0	162	133	0	0	0	0	0	0

	AMB. TEMP1		AMB. TEMP2		AMB. TEMP3		AMB. TEMP4		AMB. TEMP5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	S
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S		
100	502	0	475	0	534	0	529	0	320	0	320	0	34	0	36	0	0	0	0	0	457	0	0	0	0	0	0	0	0	0	0	0	82	0
200	489	0	482	0	514	0	511	0	320	0	320	0	27	0	29	0	0	0	0	0	457	0	0	0	0	0	0	0	0	0	0	0	82	0
300	478	0	473	0	502	0	496	0	320	0	320	0	25	0	27	0	0	0	0	0	455	0	0	0	0	0	0	0	0	0	0	0	82	0
400	477	0	471	0	493	0	497	0	320	0	320	0	18	0	20	0	0	0	0	0	453	0	0	0	0	0	0	0	0	0	0	0	82	0
500	477	0	471	0	489	0	486	0	320	0	320	0	14	0	16	0	0	0	0	0	451	0	0	0	0	0	0	0	0	0	0	0	82	0
600	473	0	466	0	484	0	480	0	320	0	320	0	13	0	16	0	0	0	0	0	451	0	0	0	0	0	0	0	0	0	0	0	82	0
700	485	0	480	0	487	0	484	0	320	0	320	0	4	0	5	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	82	0
800	487	0	482	0	489	0	489	0	320	0	320	0	2	0	4	0	0	0	0	0	430	0	0	0	0	0	0	0	0	0	0	0	82	0
900	494	0	493	0	491	0	496	0	320	0	320	0	-7	0	-5	0	0	0	0	0	435	0	0	0	0	0	0	0	0	0	0	0	82	0
1000	507	0	502	0	496	0	493	0	320	0	320	0	-7	0	-7	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	82	0
1100	529	0	523	0	520	0	513	0	320	0	320	0	-13	0	-11	0	0	0	0	0	428	0	0	0	0	0	0	0	0	0	0	0	98	0
1200	556	0	550	0	541	0	536	0	320	0	320	0	-14	0	-13	0	0	0	0	0	437	0	0	0	0	0	0	0	0	0	0	0	82	6
1300	585	0	579	0	564	0	553	0	320	0	320	0	-15	0	-14	0	0	0	0	0	435	0	0	0	0	0	0	0	0	0	0	0	82	0
1400	597	0	592	0	577	0	574	0	320	0	320	0	-15	0	-16	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	82	0
1500	622	0	619	0	604	0	601	0	320	0	320	0	-16	0	-16	0	0	0	0	0	444	0	0	0	0	0	0	0	0	0	0	0	82	0
1600	633	0	622	0	619	0	615	0	320	0	320	0	-7	0	-7	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	82	0
1700	621	0	615	0	615	0	610	0	320	0	320	0	-3	0	-4	0	0	0	0	0	441	0	0	0	0	0	0	0	0	0	0	0	82	0
1800	592	1	594	0	615	0	612	0	320	0	320	0	15	1	19	0	0	0	0	0	439	0	0	0	0	0	0	0	0	0	0	0	82	0
1900	590	0	585	0	610	0	604	0	320	0	320	0	20	0	22	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	82	0
2000	583	0	581	0	603	0	597	0	320	0	320	0	16	0	18	0	0	0	0	0	446	0	0	0	0	0	0	0	0	0	0	0	82	0
2100	590	0	585	0	597	0	594	0	320	0	320	0	7	1	11	0	0	0	0	0	446	0	0	0	0	0	0	0	0	0	0	0	82	0
2200	583	1	583	0	593	0	585	0	320	0	320	0	2	1	4	0	0	0	0	0	444	0	0	0	0	0	0	0	0	0	0	0	82	0
2300	581	0	576	0	589	0	591	0	320	0	320	0	5	0	7	0	0	0	0	0	444	0	0	0	0	0	0	0	0	0	0	0	82	0
2400	577	0	572	0	572	0	574	0	320	0	320	0	4	0	4	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	82	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1		MIN	MAX		WIND DIR2		MIN	MAX		WIND DIR3		MIN	MAX		WIND DIR4		MIN	MAX		WIND DIR5		MIN	MAX		WIND DIR6	
	30 A	S	30 B	S	180A	S	180B	S		S	30 C	S			30		S			150A		S			150A		S					S						
100	63	0	61	0	133	0	136	0	0	0	0	0	137	1	171	116		140	0	174	99		155	0	168	141		144	0	157	128		0	0	0	0	0	0
200	65	0	63	0	126	0	131	0	0	0	0	0	133	1	149	115		131	0	154	104		153	0	167	143		140	0	153	127		0	0	0	0	0	0
300	73	0	67	0	116	0	120	0	0	0	0	0	125	1	143	113		127	0	150	106		141	0	153	132		130	0	139	117		0	0	0	0	0	0
400	61	0	73	0	119	0	125	0	0	0	0	0	121	0	139	116		123	0	135	111		132	0	137	127		121	0	124	115		0	0	0	0	0	0
500	73	0	72	0	105	0	110	0	0	0	0	0	112	1	113	106		112	0	129	94		125	0	131	117		114	0	118	107		0	0	0	0	0	0
600	82	0	73	0	102	0	106	0	0	0	0	0	111	1	119	102		112	0	125	88		126	0	131	122		115	0	121	111		0	0	0	0	0	0
700	76	0	70	0	105	0	110	0	0	0	0	0	102	1	113	89		102	0	123	83		121	0	127	115		109	0	116	102		0	0	0	0	0	0
800	67	0	68	0	96	0	99	0	0	0	0	0	46	1	97	15		42	0	96	5		42	0	85	23		23	0	64	356		0	0	0	0	0	0
900	65	1	63	0	88	0	92	0	0	0	0	0	42	1	63	19		36	0	68	12		44	0	60	14		24	0	37	352		0	0	0	0	0	0
1000	93	0	87	0	120	0	116	0	0	0	0	0	37	1	79	2		30	0	95	341		33	0	69	7		14	0	42	347		0	0	0	0	0	0
1100	95	0	96	0	116	0	129	0	0	0	0	0	49	1	74	21		44	0	91	4		48	0	82	26		31	0	59	8		0	0	0	0	0	0
1200	133	0	129	0	164	0	167	0	0	0	0	0	35	1	60	6		32	0	68	1		34	0	54	13		16	0	38	356		0	0	0	0	0	0
1300	167	0	156	0	213	0	207	0	0	0	0	0	31	1	51	3		25	0	56	346		30	0	51	5		11	0	37	352		0	0	0	0	0	0
1400	184	0	180	0	222	0	219	0	0	0	0	0	33	1	54	14		28	0	56	355		31	0	54	15		13	0	37	348		0	0	0	0	0	0
1500	183	0	174	0	223	0	222	0	0	0	0	0	30	1	55	9		24	0	77	350		28	0	51	2		9	0	41	339		0	0	0	0	0	0
1600	219	0	205	0	265	0	260	0	0	0	0	0	32	1	55	12		27	0	81	347		28	0	65	356		10	0	42	334		0	0	0	0	0	0
1700	205	0	195	0	261	0	257	0	0	0	0	0	34	1	65	6		28	0	73	3		31	0	60	357		13	0	57	346		0	0	0	0	0	0
1800	212	0	202	0	261	0	259	0	0	0	0	0	34	1	57	10		30	0	61	319		35	0	62	17		15	0	44	353		0	0	0	0	0	0
1900	191	0	187	0	235	0	234	0	0	0	0	0	36	1	61	12		30	0	93	350		36	0	62	6		18	0	52	356		0	0	0	0	0	0
2000	194	0	186	0	233	0	237	0	0	0	0	0	36	1	67	13		30	0	66	354		35	0	64	10		16	0	40	347		0	0	0	0	0	0
2100	173	0	174	0	219	0	216	0	0	0	0	0	33	1	61	8		27	0	72	351		35	0	56	15		16	0	46	347		0	0	0	0	0	0
2200	185	0	182	0	229	0	227	0	0	0	0	0	37	1	63	12		31	0	69	4		35	0	62	14		16	0	45	352		0	0	0	0	0	0
2300	163	0	159	0	191	0	196	0	0	0	0	0	35	1	64	14		29	0	65	4		35	0	64	0		16	0	48	330		0	0	0	0	0	0
2400	185	2	179	2	235	2	230	2	0	0	0	0	33	2	53	4		28	2	60	0		31	2	63	8		11	2	42	334		0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	S
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S		
100	572	0	566	0	581	0	576	0	320	0	320	0	9	0	11	0	0	0	0	0	441	0	0	0	0	0	0	0	0	0	0	0	92	0
200	572	0	565	0	579	0	576	0	320	0	320	0	11	0	13	0	0	0	0	0	439	0	0	0	0	0	0	0	0	0	0	0	92	0
300	561	0	556	0	568	0	563	0	320	0	320	0	7	0	9	0	0	0	0	0	437	0	0	0	0	0	0	0	0	0	0	0	92	0
400	541	0	534	0	556	0	550	0	320	0	320	0	16	0	18	0	0	0	0	0	433	0	0	0	0	0	0	0	0	0	0	0	92	0
500	527	0	523	0	547	0	541	0	320	0	320	0	18	0	20	0	0	0	0	0	432	0	0	0	0	0	0	0	0	0	0	0	92	0
600	518	0	513	0	540	0	536	0	320	0	320	0	25	0	27	0	0	0	0	0	432	0	0	0	0	0	0	0	0	0	0	0	92	0
700	518	0	513	0	536	0	532	0	320	0	320	0	22	0	22	0	0	0	0	0	437	0	0	0	0	0	0	0	0	0	0	0	92	0
800	536	0	531	0	538	0	532	0	320	0	320	0	4	0	5	0	0	0	0	0	437	0	0	0	0	0	0	0	0	0	0	0	92	0
900	549	0	541	0	541	0	536	0	320	0	320	0	-5	0	-4	0	0	0	0	0	441	0	0	0	0	0	0	0	0	0	0	0	89	0
1000	531	0	525	0	523	0	518	0	320	0	320	0	-7	0	-7	0	0	0	0	0	446	0	0	0	0	0	0	0	0	0	0	0	92	6
1100	522	0	516	0	514	0	509	0	320	0	320	0	-7	0	-7	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	97	0
1200	511	0	505	0	496	0	495	0	320	0	320	0	-11	0	-9	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	83	6
1300	513	0	507	0	502	0	496	0	320	0	320	0	-9	0	-7	0	0	0	0	0	444	0	0	0	0	0	0	0	0	0	0	0	83	0
1400	504	0	498	0	493	0	489	0	320	0	320	0	-9	0	-9	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	83	0
1500	493	0	487	0	482	0	477	0	320	0	320	0	-9	0	-7	0	0	0	0	0	435	0	0	0	0	0	0	0	0	0	0	0	83	0
1600	487	0	482	0	477	0	475	0	320	0	320	0	-9	0	-7	0	0	0	0	0	428	0	0	0	0	0	0	0	0	0	0	0	83	0
1700	487	0	482	0	475	0	473	0	320	0	320	0	-9	0	-7	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	83	0
1800	471	0	466	0	467	0	467	0	320	0	320	0	-9	0	-7	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	83	0
1900	457	0	451	0	446	0	441	0	320	0	320	0	-9	0	-7	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	83	0
2000	430	0	424	0	419	0	415	0	321	0	320	0	-9	0	-7	0	0	0	0	0	432	0	0	0	0	0	0	0	0	0	0	0	83	0
2100	419	0	414	0	406	0	401	0	321	0	320	0	-11	0	-9	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	83	0
2200	392	0	387	0	381	0	378	0	321	0	320	0	-11	0	-9	0	0	0	0	0	424	2	0	0	0	0	0	0	0	0	0	0	83	0
2300	383	0	381	0	376	0	370	0	320	0	320	0	-11	0	-7	0	0	0	0	0	421	2	0	0	0	0	0	0	0	0	0	0	85	0
2400	372	2	372	2	367	2	363	2	320	0	320	0	-11	2	-7	2	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	85	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 30 A S	WIND SPD2 30 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND DIR2 MIN	MAX 50 A S	WIND DIR3 MIN	MAX 150A S	WIND DIR4 MIN	MAX 150B S	WIND DIR5 MIN	MAX S	WIND DIR6 MIN	MAX S
100	156 0	154 0	208 0	205 0	5 0	0 0	43 0	69 5	37 0	90 356	40 0	67 15	21 0	42 358	0 0	0 0	0 0
200	193 0	186 0	249 0	239 0	0 0	0 0	35 0	64 17	38 0	80 346	28 0	50 4	10 0	32 346	0 0	0 0	0 0
300	205 0	201 0	259 0	260 0	0 0	0 0	31 0	61 10	27 0	69 355	31 0	62 10	13 0	51 346	0 0	0 0	0 0
400	243 0	235 0	295 0	292 0	0 0	0 0	32 0	52 14	25 0	61 3	29 0	48 4	10 0	35 341	0 0	0 0	0 0
500	233 0	228 0	291 0	287 0	0 0	0 0	30 0	58 4	23 0	56 344	24 0	56 353	7 0	53 333	0 0	0 0	0 0
600	246 0	231 0	301 0	296 0	0 0	0 0	35 0	58 10	28 0	68 0	30 0	56 359	12 0	57 340	0 0	0 0	0 0
700	211 0	209 0	272 0	250 0	0 0	0 0	36 0	62 10	28 0	69 354	29 0	58 1	11 0	39 341	0 0	0 0	0 0
800	232 0	220 0	295 0	285 0	0 0	0 0	32 0	62 1	24 0	57 351	24 0	48 352	5 0	39 335	0 0	0 0	0 0
900	204 0	208 0	285 0	299 0	0 0	0 0	29 0	57 5	23 0	63 346	25 0	51 0	6 0	29 335	0 0	0 0	0 0
1000	213 0	208 0	272 0	271 0	0 0	0 0	33 0	58 9	27 0	62 348	26 0	68 359	7 0	53 343	0 0	0 0	0 0
1100	219 0	205 0	267 0	263 0	0 0	0 0	29 0	57 356	20 0	47 348	25 0	52 342	5 0	41 330	0 0	0 0	0 0
1200	182 0	177 0	265 0	275 0	0 0	0 0	20 0	54 342	16 0	61 331	11 0	54 338	351 0	41 323	0 0	0 0	0 0
1300	215 0	206 0	284 0	281 0	0 0	0 0	29 0	46 356	20 0	54 331	17 0	52 337	358 0	29 327	0 0	0 0	0 0
1400	205 0	201 0	288 0	277 0	0 0	0 0	23 0	56 339	16 0	54 312	15 0	44 334	355 0	33 305	0 0	0 0	0 0
1500	191 0	182 0	314 0	302 0	0 0	0 0	19 0	52 295	6 0	37 283	4 0	52 332	344 0	22 315	0 0	0 0	0 0
1600	234 0	217 0	339 0	329 0	0 0	0 0	23 0	41 343	13 0	53 334	13 0	36 344	356 0	47 320	0 0	0 0	0 0
1700	206 0	198 0	337 0	325 0	0 0	0 0	12 0	50 309	8 0	104 304	3 0	50 327	347 0	21 309	0 0	0 0	0 0
1800	203 0	192 0	302 0	287 0	0 0	0 0	21 0	54 344	14 0	53 332	10 0	43 337	349 0	20 313	0 0	0 0	0 0
1900	243 0	232 0	273 0	281 0	0 0	0 0	22 0	47 7	24 0	57 340	19 0	53 339	0 0	36 309	0 0	0 0	0 0
2000	194 0	194 0	276 0	272 0	0 0	0 0	21 0	64 344	17 0	55 335	10 0	42 336	351 0	48 313	0 0	0 0	0 0
2100	158 0	171 0	267 0	265 0	0 0	0 0	19 0	45 340	12 0	64 319	9 0	45 330	350 0	25 313	0 0	0 0	0 0
2200	166 0	164 0	242 0	239 0	0 0	0 0	22 0	62 326	16 0	64 327	13 0	70 330	353 0	36 302	0 0	0 0	0 0
2300	151 0	143 0	211 0	209 0	0 0	0 0	23 0	53 330	17 0	66 321	19 0	45 336	354 0	25 319	0 0	0 0	0 0
2400	153 0	141 0	214 0	214 0	0 0	0 0	23 0	55 335	19 0	70 324	13 0	48 343	354 0	37 314	0 0	0 0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	370 0	363 0	358 0	352 0	320 0	320 0	-11 0	-7 0	0 0	0 0	417 2	0 0	0 0	0 0	0 0	0 0	0 0	86 0
200	365 0	358 0	352 0	347 0	320 0	320 0	-11 0	-9 0	0 0	0 0	441 2	0 0	0 0	0 0	0 0	0 0	0 0	90 0
300	349 0	342 0	334 0	331 0	320 0	320 0	-13 0	-11 0	0 0	0 0	442 2	0 0	0 0	0 0	0 0	0 0	0 0	92 0
400	347 0	342 0	334 0	331 0	320 0	320 0	-11 0	-9 0	0 0	0 0	455 2	0 0	0 0	0 0	0 0	0 0	0 0	93 0
500	351 0	343 0	343 0	334 0	320 0	320 0	-11 0	-7 0	0 0	0 0	451 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
600	351 0	343 0	342 0	338 0	320 0	320 0	-5 0	-4 0	0 0	0 0	379 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
700	363 0	356 0	352 0	347 0	320 0	320 0	-9 0	-7 0	0 0	0 0	378 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
800	361 0	354 0	349 0	343 0	320 0	320 0	-11 0	-9 0	0 0	0 0	379 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
900	363 0	356 0	352 0	347 0	320 0	320 0	-11 0	-7 0	0 0	0 0	376 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
1000	367 0	360 0	356 0	351 0	320 0	320 0	-9 0	-7 0	0 0	0 0	365 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
1100	373 0	372 0	369 0	363 0	320 0	320 0	-9 0	-7 0	0 0	0 0	361 2	0 0	0 0	0 0	0 0	0 0	0 1	94 0
1200	368 0	362 0	357 0	342 0	320 0	320 0	-13 0	-9 0	0 0	0 0	369 2	0 0	0 0	0 0	0 0	0 0	0 1	94 0
1300	373 0	372 0	367 0	363 0	320 0	320 0	-11 0	-9 0	0 0	0 0	358 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
1400	371 0	370 0	367 0	361 0	320 0	320 0	-9 0	-9 0	0 0	0 0	352 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
1500	381 0	376 0	373 0	367 0	320 0	320 0	-11 0	-9 0	0 0	0 0	340 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
1600	381 0	376 0	372 0	367 0	320 0	320 0	-11 0	-9 0	0 0	0 0	327 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
1700	375 0	372 0	367 0	363 0	320 0	320 0	-9 0	-9 0	0 0	0 0	475 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
1800	378 0	370 0	372 0	363 0	320 0	320 0	-9 0	-7 0	0 0	0 0	374 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
1900	372 0	365 0	361 0	358 0	320 0	320 0	-11 0	-7 0	0 0	0 0	414 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
2000	372 0	365 0	363 0	359 0	320 0	320 0	-9 0	-7 0	0 0	0 0	347 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
2100	372 0	365 0	361 0	356 0	320 0	320 0	-9 0	-7 0	0 0	0 0	333 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
2200	365 0	359 0	352 0	349 0	320 0	320 0	-9 0	-9 0	0 0	0 0	503 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
2300	363 0	356 0	352 0	347 0	320 0	320 0	-9 0	-7 00	0 0	0 0	507 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0
2400	361 0	351 0	347 0	343 0	320 0	320 0	-9 0	-7 0	0 0	0 0	507 2	0 0	0 0	0 0	0 0	0 0	0 0	94 0

STATUS CODE(S) DESCRIPTIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5 150B	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	154	0	147	0	211	0	235	0	0	0	0	0	26	0	48	333	19	0	68	314	20	0	50	347	0	0	38	319	0	0	0	0	0	0	0	0
200	154	0	146	0	220	0	218	0	0	0	0	0	21	0	45	344	11	0	62	315	14	0	59	354	355	0	31	329	0	0	0	0	0	0	0	0
300	143	0	138	0	182	0	179	0	0	0	0	0	33	0	61	10	29	0	68	350	27	0	67	352	8	0	29	337	0	0	0	0	0	0	0	0
400	117	0	116	0	143	0	147	0	0	0	0	0	41	0	77	13	34	0	91	344	37	0	73	9	19	0	48	357	0	0	0	0	0	0	0	0
500	65	0	65	0	76	0	80	0	0	0	0	0	62	0	125	10	57	0	131	4	58	0	118	2	44	0	107	0	0	0	0	0	0	0	0	0
600	83	0	80	0	97	0	108	0	0	0	0	0	85	0	126	64	85	0	125	57	82	0	112	51	66	0	92	33	0	0	0	0	0	0	0	0
700	83	0	82	0	95	0	113	0	0	0	0	0	76	0	99	52	73	0	102	33	71	0	95	51	55	0	88	38	0	0	0	0	0	0	0	0
800	87	0	87	0	103	0	113	0	0	0	0	0	80	0	117	55	79	0	120	46	75	0	96	59	60	0	82	92	0	0	0	0	0	0	0	0
900	103	0	99	0	119	0	125	0	0	0	0	0	85	0	105	67	84	0	118	59	87	0	117	60	72	0	121	46	0	0	0	0	0	0	0	0
1000	74	0	71	0	82	0	93	0	0	0	0	0	85	0	135	41	81	0	133	40	81	0	124	51	64	0	126	30	0	0	0	0	0	0	0	0
1100	78	0	83	0	81	0	97	0	0	0	0	0	66	0	95	47	62	0	115	29	66	0	86	38	48	0	71	23	0	0	0	0	0	0	0	0
1200	73	0	78	0	77	0	92	0	0	0	0	0	51	0	96	9	49	0	103	3	45	0	109	14	26	0	88	358	0	0	0	0	0	0	0	0
1300	81	0	86	0	99	0	114	0	0	0	0	0	58	0	93	37	54	0	99	25	51	0	82	22	33	0	65	4	0	0	0	0	0	0	0	0
1400	82	0	78	0	83	0	94	0	0	0	0	0	49	0	90	12	37	0	91	4	34	0	77	353	17	0	78	334	0	0	0	0	0	0	0	0
1500	57	0	52	0	72	0	80	0	0	0	0	0	10	0	65	311	3	0	74	271	9	0	59	310	352	0	54	297	0	0	0	0	0	0	0	0
1600	37	0	36	0	45	0	50	0	0	0	0	0	34	0	81	346	28	0	84	332	28	0	81	330	9	0	75	303	0	0	0	0	0	0	0	0
1700	44	0	44	0	51	0	56	0	0	0	0	0	44	0	83	14	40	0	95	5	44	0	76	27	25	0	56	8	0	0	0	0	0	0	0	0
1800	33	0	35	0	39	0	49	0	0	0	0	0	85	0	105	70	83	0	109	66	73	0	83	54	56	0	69	38	0	0	0	0	0	0	0	0
1900	50	0	43	0	64	0	72	0	0	0	0	0	111	0	126	96	110	0	144	76	105	0	112	100	90	0	102	84	0	0	0	0	0	0	0	0
2000	53	0	49	0	83	0	87	0	0	0	0	0	114	0	133	92	114	0	141	89	112	0	129	99	97	0	119	88	0	0	0	0	0	0	0	0
2100	56	0	52	0	79	0	84	0	0	0	0	0	131	0	140	122	132	0	140	124	121	0	127	117	107	0	115	102	0	0	0	0	0	0	0	0
2200	60	0	58	0	82	0	86	0	0	0	0	0	131	0	135	126	131	0	138	125	119	0	123	115	104	0	109	100	0	0	0	0	0	0	0	0
2300	52	0	51	0	87	0	95	0	0	0	0	0	136	0	143	123	137	0	158	115	132	0	134	130	118	0	121	116	0	0	0	0	0	0	0	0
2400	61	0	60	0	109	0	116	0	0	0	0	0	137	0	165	121	138	0	160	113	149	0	151	140	130	0	138	123	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	352	0	345	0	342	0	338	0	329	0	320	0	-9	0	-7	0	0	0	0	0	505	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
200	349	0	342	0	333	0	334	0	329	0	320	0	-9	0	-7	0	0	0	0	0	504	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
300	345	0	338	0	334	0	331	0	329	0	320	0	-9	0	-7	0	0	0	0	0	504	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
400	347	0	342	0	338	0	334	0	329	0	320	0	-9	0	-7	0	0	0	0	0	511	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
500	343	0	336	0	331	0	327	0	329	0	320	0	-11	0	-11	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
600	293	0	283	0	281	0	276	0	329	0	320	0	-9	0	-7	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
700	283	0	278	0	276	0	272	0	329	0	320	0	-7	0	-5	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
800	285	0	278	0	278	0	272	0	329	0	320	0	-7	0	-5	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
900	299	0	294	0	285	0	281	0	329	0	320	0	-13	0	-13	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1000	327	0	324	0	312	0	306	0	329	0	320	0	-14	0	-14	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1100	343	0	338	0	331	0	327	0	329	0	320	0	-15	0	-13	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1200	365	0	358	0	356	0	351	0	329	0	320	0	-7	0	-7	0	0	0	0	0	336	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1300	353	0	352	0	345	0	340	0	329	0	320	0	-11	0	-13	0	0	0	0	0	312	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1400	361	0	356	0	356	0	352	0	329	0	320	0	-5	0	-4	0	0	0	0	0	327	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1500	370	0	365	0	365	0	362	0	329	0	320	0	-13	0	-13	0	0	0	0	0	322	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1600	374	0	367	0	361	0	356	0	329	0	320	0	-13	0	-11	0	0	0	0	0	336	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1700	351	0	342	0	340	0	334	0	329	0	320	0	-11	0	-7	0	0	0	0	0	325	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1800	343	0	334	0	342	0	336	0	329	0	320	0	2	0	4	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1900	333	0	325	0	334	0	331	0	329	0	320	0	2	0	5	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
2000	329	0	320	0	331	0	327	0	329	0	320	0	5	0	7	0	0	0	0	0	339	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2100	324	0	315	0	327	0	324	0	329	0	320	0	5	0	7	0	0	0	0	0	335	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2200	324	0	315	0	327	0	324	0	329	0	320	0	5	0	7	0	0	0	0	0	334	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2300	317	0	308	0	325	0	320	0	329	0	320	0	9	0	11	0	0	0	0	0	322	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2400	312	0	305	0	322	0	314	0	329	0	320	0	7	0	9	0	0	0	0	0	322	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1	S	WIND SPD2	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
	50 A		50 B		150A		150B				50 A			50 1				150A				150 1											
100	56	0	54	0	112	0	119	0	0	0	0	0	145	171	115	0	144	185	117	0	157	160	154	0	143	146	139	0	0	0	0	0	0
200	60	0	56	0	114	0	120	0	0	0	0	0	133	156	122	0	139	177	113	0	156	166	152	0	142	150	138	0	0	0	0	0	0
300	57	0	57	0	113	0	112	0	0	0	0	0	139	169	120	0	143	172	118	0	158	168	148	0	145	150	139	0	0	0	0	0	0
400	55	0	51	0	120	0	125	0	0	0	0	0	145	189	121	0	146	184	109	0	167	178	143	0	154	165	141	0	0	0	0	0	0
500	43	0	44	0	77	0	82	0	0	0	0	0	127	154	101	0	130	153	95	0	153	167	138	0	142	156	129	0	0	0	0	0	0
600	56	0	57	0	120	0	127	0	0	0	0	0	143	175	123	0	145	187	108	0	161	169	152	0	150	157	140	0	0	0	0	0	0
700	51	0	49	0	93	0	96	0	0	0	0	0	158	183	117	0	155	210	116	0	171	190	150	0	159	177	135	0	0	0	0	0	0
800	58	0	57	0	112	0	119	0	0	0	0	0	141	165	121	0	140	170	112	0	160	172	146	0	150	159	133	0	0	0	0	0	0
900	55	0	58	0	111	0	105	0	0	0	0	0	133	173	115	0	140	191	111	0	160	178	144	0	149	168	127	0	0	0	0	0	0
1000	67	0	68	0	102	0	102	0	0	0	0	0	151	197	122	0	151	193	121	0	168	210	137	0	155	185	133	0	0	0	0	0	0
1100	44	0	38	0	71	0	67	0	0	0	0	0	173	253	92	0	177	250	100	0	172	246	134	0	165	231	123	0	0	0	0	0	0
1200	43	0	39	0	61	0	55	0	0	0	0	0	194	265	105	0	137	264	95	0	186	254	120	0	173	223	118	0	0	0	0	0	0
1300	63	0	58	0	65	0	72	0	0	0	0	0	242	285	209	0	238	295	201	0	246	289	202	0	231	263	194	0	0	0	0	0	0
1400	70	0	70	0	66	0	72	0	0	0	0	0	263	287	193	0	258	285	139	0	264	296	235	0	249	270	219	0	0	0	0	0	0
1500	32	0	29	0	29	0	34	0	0	0	0	0	238	286	180	0	228	266	154	0	247	314	214	0	231	328	191	0	0	0	0	0	0
1600	16	0	12	0	63	2	13	0	0	0	0	0	182	268	92	3	165	261	91	0	285	359	180	3	276	353	180	0	0	0	0	0	0
1700	34	0	33	0	47	0	51	0	0	0	0	0	144	187	104	0	145	189	102	0	152	178	127	0	142	169	118	0	0	0	0	0	0
1800	52	0	51	0	87	0	93	0	0	0	0	0	135	164	123	0	136	162	113	0	142	149	132	0	131	138	125	0	0	0	0	0	0
1900	43	0	49	0	93	0	100	0	0	0	0	0	136	156	126	0	137	158	119	0	151	158	138	0	141	146	135	0	0	0	0	0	0
2000	47	0	48	0	87	0	92	0	0	0	0	0	139	162	123	0	143	178	119	0	153	165	143	0	142	156	131	0	0	0	0	0	0
2100	60	0	61	0	106	0	111	0	0	0	0	0	146	179	118	0	145	186	112	0	160	177	141	0	149	170	135	0	0	0	0	0	0
2200	56	0	55	0	99	0	94	0	0	0	0	0	162	193	107	0	163	235	106	0	177	201	155	0	164	183	142	0	0	0	0	0	0
2300	63	0	65	0	129	0	119	0	0	0	0	0	161	187	122	0	162	220	118	0	177	189	157	0	165	186	147	0	0	0	0	0	0
2400	63	0	60	0	127	0	113	0	0	0	0	0	165	215	106	0	166	236	93	0	182	206	160	0	170	195	152	0	0	0	0	0	0

	AMB. TEM1	S	AMB. TEM2	S	AMB. TEM3	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
	30 A		30 B		150A		150B						150A		150B																				
100	305	0	297	0	315	0	310	0	320	0	320	0	11	1	13	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	95	0
200	301	0	299	0	303	0	303	0	320	0	320	0	7	0	9	0	0	0	0	0	438	2	0	0	0	0	0	0	0	0	0	0	95	0
300	305	0	294	0	305	0	303	0	320	0	320	0	7	1	9	0	0	0	0	0	351	2	0	0	0	0	0	0	0	0	0	0	95	0
400	297	0	290	0	303	0	297	0	320	0	320	0	5	0	9	0	0	0	0	0	525	2	0	0	0	0	0	0	0	0	0	0	95	0
500	296	0	288	0	292	0	288	0	321	0	320	0	-2	0	0	0	0	0	0	0	532	2	0	0	0	0	0	0	0	0	0	0	95	0
600	293	0	283	0	294	0	290	0	320	0	320	0	5	0	7	0	0	0	0	0	527	2	0	0	0	0	0	0	0	0	0	0	95	0
700	288	0	281	0	287	0	283	0	320	0	320	0	3	1	4	0	0	0	0	0	525	2	0	0	0	0	0	0	0	0	0	0	95	0
800	287	0	281	0	287	0	281	0	320	0	320	0	0	1	2	0	0	0	0	0	527	2	0	0	0	0	0	0	0	0	0	0	95	0
900	299	0	292	0	292	0	287	0	320	0	320	0	-9	0	-7	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	95	0
1000	322	0	318	0	305	0	299	0	320	0	320	0	-14	0	-11	0	0	0	0	0	437	2	0	0	0	0	0	0	0	0	0	0	95	0
1100	347	0	342	0	324	0	320	0	320	0	320	0	-23	0	-22	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	95	0
1200	370	0	365	0	345	0	340	0	320	0	320	0	-25	0	-23	0	0	0	0	0	459	2	0	0	0	0	0	0	0	0	0	0	95	0
1300	385	0	378	0	367	0	365	0	321	0	320	0	-16	0	-13	0	0	0	0	0	507	2	0	0	0	0	0	0	0	0	0	0	95	0
1400	387	0	379	0	374	0	372	0	323	0	320	0	-11	0	-7	0	0	0	0	0	559	2	0	0	0	0	0	0	0	0	0	0	95	0
1500	378	0	370	0	361	0	356	0	320	0	320	0	-16	0	-14	0	0	0	0	0	509	2	0	0	0	0	0	0	0	0	0	0	95	0
1600	381	0	374	0	365	0	351	0	320	0	320	0	-14	0	-13	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	95	0
1700	376	0	369	0	365	0	360	0	320	0	320	0	-9	0	-7	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	95	0
1800	353	0	349	0	361	0	354	0	320	0	320	0	2	0	5	0	0	0	0	0	459	2	0	0	0	0	0	0	0	0	0	0	95	0
1900	349	0	342	0	352	0	347	0	321	0	320	0	5	0	7	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	95	0
2000	347	0	340	0	345	0	340	0	320	0	320	0	2	0	2	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	95	0
2100	342	0	334	0	336	0	333	0	321	0	320	0	-5	0	-2	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	95	0
2200	334	0	327	0	333	0	329	0	320	0	320	0	0	1	2	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	95	0
2300	324	0	315	0	322	0	322	0	321	0	320	0	2	0	2	0	0	0	0	0	448	2	0	0	1	0	0	0	0	0	0	0	95	0
2400	324	0	315	0	322	0	314	0	320	0	320	0	-3	0	-2	0	0	0	0	0	457	2	0	0	0	0	0	0	0	0	0	0	95	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	60	0	60	0	116	0	105	0	0	0	0	0	151	0	185	123	149	0	203	101	173	0	195	156	162	0	179	141	0	0	0	0	0	0		
200	70	0	72	0	135	0	129	0	0	0	0	0	152	0	198	115	153	0	190	110	175	0	192	155	162	0	175	148	0	0	0	0	0	0		
300	72	0	72	0	148	0	127	0	0	0	0	0	164	0	209	117	167	0	252	101	180	0	200	159	167	0	139	145	0	0	0	0	0	0		
400	59	0	58	0	112	0	104	0	0	0	0	0	162	0	213	114	162	0	232	96	178	0	209	144	165	0	188	130	0	0	0	0	0	0		
500	67	0	66	0	123	0	123	0	0	0	0	0	143	0	179	122	151	0	134	114	169	0	184	152	157	0	175	141	0	0	0	0	0	0		
600	63	0	72	0	125	0	131	0	0	0	0	0	141	0	187	117	140	0	168	69	160	0	176	147	149	0	163	131	0	0	0	0	0	0		
700	74	0	77	0	136	0	140	0	0	0	0	0	142	0	164	124	142	0	176	111	162	0	175	152	150	0	167	140	0	0	0	0	0	0		
800	73	0	74	0	132	0	136	0	0	0	0	0	141	0	169	116	143	0	187	116	161	0	184	137	150	0	175	129	0	0	0	0	0	0		
900	75	0	79	0	134	0	135	0	0	0	0	0	143	0	166	112	139	0	174	103	157	0	174	144	146	0	164	130	0	0	0	0	0	0		
1000	83	0	93	0	139	0	141	0	0	0	0	0	144	0	202	110	144	0	193	91	153	0	184	129	147	0	167	112	0	0	0	0	0	0		
1100	86	0	90	0	126	0	136	0	0	0	0	0	136	0	175	104	137	0	174	93	150	0	175	125	139	0	162	112	0	0	0	0	0	0		
1200	114	0	118	0	186	0	191	0	0	0	0	0	144	0	185	111	144	0	191	97	156	0	181	132	144	0	163	119	0	0	0	0	0	0		
1300	83	0	82	0	157	0	148	0	0	0	0	0	159	0	232	102	158	0	239	93	171	0	223	113	160	0	195	126	0	0	0	0	0	0		
1400	115	0	137	0	194	0	177	0	0	0	0	0	167	0	219	128	163	0	226	106	176	0	208	152	164	0	197	144	0	0	0	0	0	0		
1500	106	0	107	0	147	0	148	0	0	0	0	0	157	0	209	116	156	0	214	101	163	0	203	143	156	0	182	122	0	0	0	0	0	0		
1600	110	0	117	0	195	0	203	0	0	0	0	0	144	0	179	115	146	0	190	101	159	0	191	135	148	0	176	117	0	0	0	0	0	0		
1700	105	0	112	0	189	0	194	0	0	0	0	0	146	0	172	99	145	0	179	107	161	0	186	141	149	0	130	130	0	0	0	0	0	0		
1800	101	0	106	0	171	0	167	0	0	0	0	0	153	0	209	115	152	0	218	117	169	0	195	141	155	0	174	129	0	0	0	0	0	0		
1900	94	0	102	0	169	0	171	0	0	0	0	0	147	0	180	122	147	0	193	113	164	0	202	144	151	0	172	126	0	0	0	0	0	0		
2000	93	0	78	0	153	0	161	0	0	0	0	0	150	0	190	107	152	0	213	96	162	0	193	137	150	0	184	120	0	0	0	0	0	0		
2100	90	0	89	0	154	0	154	0	0	0	0	0	148	0	197	115	149	0	203	110	164	0	184	144	152	0	186	133	0	0	0	0	0	0		
2200	91	0	95	0	145	0	150	0	0	0	0	0	143	0	165	114	145	0	226	109	159	0	187	133	146	0	158	123	0	0	0	0	0	0		
2300	72	0	78	0	122	0	122	0	0	0	0	0	149	0	192	118	148	0	182	115	165	0	180	143	152	0	169	130	0	0	0	0	0	0		
2400	51	0	56	0	95	0	100	0	0	0	0	0	144	0	194	104	144	0	185	110	163	0	182	140	150	0	169	130	0	0	0	0	0	0		

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	322	0	312	0	322	0	322	0	320	0	320	0	2	0	5	0	0	0	0	0	453	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
200	303	0	301	0	310	0	306	0	321	0	320	0	2	0	-5	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
300	312	0	305	0	305	0	303	0	320	0	320	0	-4	0	2	0	0	0	0	0	342	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
400	312	0	305	0	308	0	303	0	320	0	320	0	-4	0	-2	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
500	301	0	294	0	299	0	296	0	320	0	320	0	0	0	2	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
600	303	0	297	0	301	0	297	0	320	0	320	0	-2	0	0	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
700	303	0	301	0	305	0	303	0	320	0	320	0	0	0	2	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
800	322	0	310	0	315	0	312	0	320	0	320	0	0	0	2	0	0	0	0	0	373	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
900	340	0	333	0	329	0	324	0	320	0	320	0	-11	0	-9	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1000	387	0	379	0	365	0	360	0	320	0	320	0	-22	0	-20	0	0	0	0	0	450	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1100	403	0	401	0	383	0	385	0	320	0	320	0	-20	0	-18	0	0	0	0	0	325	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1200	437	0	432	0	415	0	412	0	320	0	320	0	-22	0	-20	0	0	0	0	0	325	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1300	471	0	464	0	444	0	441	0	320	0	320	0	-25	1	-23	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1400	477	0	473	0	462	0	457	0	320	0	320	0	-16	1	-14	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1500	475	0	469	0	459	0	455	0	320	0	320	0	-15	1	-14	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1600	463	0	462	0	459	0	453	0	320	0	320	0	-9	0	-7	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1700	463	0	460	0	460	0	455	0	320	0	320	0	-7	0	-5	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1800	464	0	457	0	455	0	451	0	320	0	320	0	-7	0	-5	0	0	0	0	0	349	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1900	457	0	451	0	451	0	446	0	320	0	320	0	-5	1	-4	0	0	0	0	0	352	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2000	457	0	451	0	450	0	444	0	320	0	320	0	-7	0	-5	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2100	451	0	444	0	442	0	437	0	321	0	320	0	-7	1	-5	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2200	446	0	439	0	437	0	433	0	320	0	320	0	-7	0	-5	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2300	442	0	435	0	435	0	430	0	320	0	320	0	-7	1	-4	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2400	439	0	432	0	432	0	426	0	320	0	320	0	-5	0	-4	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	59	0	61	0	111	0	117	0	0	0	0	0	139	0	161	116	142	0	179	108	159	0	171	146	0	156	130	0	0	0	0	0	0	0	0	0
200	59	0	60	0	97	0	101	0	0	0	0	0	133	0	156	119	136	0	159	115	151	0	164	141		140	0	150	124	0	0	0	0	0	0	0	0
300	63	0	65	0	91	0	95	0	0	0	0	0	125	0	139	111	126	0	140	108	137	0	151	121		126	0	141	111	0	0	0	0	0	0	0	0
400	57	0	61	0	87	0	92	0	0	0	0	0	126	0	145	106	129	0	158	105	141	0	159	123		129	0	141	118	0	0	0	0	0	0	0	0
500	55	0	57	0	92	0	93	0	0	0	0	0	127	0	143	113	129	0	149	111	140	0	151	123		128	0	141	118	0	0	0	0	0	0	0	0
600	73	0	72	0	98	0	96	0	0	0	0	0	123	0	134	104	123	0	135	109	130	0	140	123		118	0	130	106	0	0	0	0	0	0	0	0
700	57	0	58	0	69	0	73	0	0	0	0	0	112	0	122	96	113	0	148	89	119	0	141	106		107	0	129	90	0	0	0	0	0	0	0	0
800	55	0	57	0	75	0	77	0	0	0	0	0	106	0	134	73	108	0	142	64	113	0	134	97		100	0	118	84	0	0	0	0	0	0	0	0
900	44	0	45	0	65	0	66	0	0	0	0	0	95	0	130	74	96	0	135	62	95	0	130	72		81	0	108	51	0	0	0	0	0	0	0	0
1000	52	0	54	0	57	0	61	0	0	0	0	0	89	0	103	65	79	0	108	49	82	0	100	69		68	0	85	53	0	0	0	0	0	0	0	0
1100	37	0	42	0	41	0	49	0	0	0	0	0	73	0	107	48	72	0	115	41	73	0	93	51		59	0	75	42	0	0	0	0	0	0	0	0
1200	24	0	25	0	25	0	31	0	0	0	0	0	79	0	109	43	78	0	120	38	68	0	100	44		52	0	81	21	0	0	0	0	0	0	0	0
1300	27	0	28	0	30	0	32	0	0	0	0	0	29	3	56	359	12	3	56	353	39	0	57	12		13	0	56	346	0	0	0	0	0	0	0	0
1400	40	0	45	0	54	0	57	0	0	0	0	0	50	0	77	23	46	0	72	12	47	0	76	29		27	0	60	7	0	0	0	0	0	0	0	0
1500	60	0	60	0	86	0	93	0	0	0	0	0	34	0	63	11	29	0	74	358	31	0	58	14		11	0	31	353	0	0	0	0	0	0	0	0
1600	88	0	88	0	114	0	110	0	0	0	0	0	31	0	50	2	28	0	60	2	30	0	52	6		10	0	42	341	0	0	0	0	0	0	0	0
1700	106	0	103	0	136	0	129	0	0	0	0	0	31	0	60	12	26	0	83	355	29	0	59	8		9	0	46	345	0	0	0	0	0	0	0	0
1800	107	0	106	0	140	0	138	0	0	0	0	0	31	0	67	5	27	0	68	357	24	0	61	351		7	0	53	338	0	0	0	0	0	0	0	0
1900	83	0	87	0	108	0	110	0	0	0	0	0	44	0	85	21	40	0	95	2	43	0	79	356		25	0	47	5	0	0	0	0	0	0	0	0
2000	93	0	94	0	113	0	114	0	0	0	0	0	43	0	79	356	38	0	91	350	39	0	76	0		20	0	70	329	0	0	0	0	0	0	0	0
2100	74	0	82	0	101	0	107	0	0	0	0	0	43	0	72	16	38	0	87	12	44	0	76	20		28	0	64	0	0	0	0	0	0	0	0	0
2200	72	0	75	0	105	0	107	0	0	0	0	0	41	0	92	12	39	0	90	5	41	0	70	15		22	0	53	352	0	0	0	0	0	0	0	0
2300	55	0	63	0	69	0	80	0	0	0	0	0	59	0	86	35	56	0	92	21	56	0	79	34		38	0	61	15	0	0	0	0	0	0	0	0
2400	94	0	95	0	122	0	118	0	0	0	0	0	39	0	72	18	34	0	93	0	36	0	63	8		17	0	43	353	0	0	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S		S		S
100	433	0	426	0	430	0	426	0	320	0	320	0	-4	0	0	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
200	432	0	426	0	426	0	423	0	320	0	320	0	-4	0	-2	0	0	0	0	0	354	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
300	432	0	426	0	426	0	421	0	320	0	320	0	-5	0	-4	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
400	423	0	415	0	415	0	412	0	320	0	320	0	-7	0	-5	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
500	417	0	412	0	414	0	410	0	320	0	320	0	-4	0	2	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
600	415	0	408	0	408	0	403	0	320	0	320	0	-5	0	-4	0	0	0	0	0	354	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
700	410	0	03	0	403	0	399	0	320	0	320	0	-6	0	-4	0	0	0	0	0	352	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
800	405	0	397	0	399	0	394	0	320	0	320	0	-4	0	-2	0	0	0	0	0	365	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
900	401	0	396	0	394	0	388	0	320	0	320	0	-9	0	-7	0	0	0	0	0	376	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1000	403	0	397	0	396	0	390	0	320	0	320	0	-9	0	-7	0	0	0	0	0	360	0	0	0	0	0	0	0	0	0	0	0	0	0	95	6
1100	403	0	403	0	397	0	392	0	320	0	320	0	-11	0	-9	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1200	406	0	329	0	392	0	392	0	320	0	320	0	-7	0	-4	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	96	0
1300	397	0	394	0	393	0	383	0	320	0	320	0	-11	0	-9	0	0	0	0	0	358	0	0	0	0	0	0	0	0	0	0	0	0	0	97	0
1400	401	0	394	0	393	0	385	0	320	0	320	0	-11	0	-9	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1500	394	0	388	0	385	0	378	0	320	0	320	0	-11	0	-9	0	0	0	0	0	367	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1600	403	0	396	0	393	0	387	0	320	0	320	0	-11	0	-9	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1700	410	0	403	0	399	0	396	0	320	0	320	0	-9	0	-7	0	0	0	0	0	376	0	0	0	0	0	0	0	0	0	0	0	0	0	100	6
1800	417	0	412	0	406	0	403	0	320	0	320	0	-9	0	-7	0	0	0	0	0	374	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1900	401	0	394	0	393	0	385	0	320	0	320	0	-11	0	-7	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
2000	405	0	392	0	389	0	385	0	320	0	320	0	-11	0	-9	0	0	0	0	0	379	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
2100	383	0	378	0	372	0	369	0	320	0	320	0	-9	0	-7	0	0	0	0	0	367	0	0	0	0	0	0	0	0	0	0	0	0	0	101	0
2200	385	0	379	0	375	0	372	0	320	0	320	0	-9	0	-5	0	0	0	0	0	370	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2300	377	0	374	0	370	0	367	0	320	0	320	0	-7	0	-5	0	0	0	0	0	369	0	0	0	0	0	0	0	0	0	0	0	0	0	105	0
2400	387	0	381	0	377	0	372	0	320	0	320	0	-9	0	-7	0	0	0	0	0	369	0	0	0	0	0	0	0	0	0	0	0	0	0	107	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	137	0	133	0	140	0	173	0	0	0	0	0	27	1	49	358	22	0	48	353	22	0	49	358	3	0	27	343	0	0	0	0	0	0	0	0
200	159	0	155	0	205	0	202	0	0	0	0	0	27	1	46	357	23	0	56	353	20	0	53	350	2	0	68	320	0	0	0	0	0	0	0	0
300	162	0	159	0	226	1	221	0	0	0	0	0	24	1	54	341	16	0	49	323	15	0	33	342	355	0	53	312	0	0	0	0	0	0	0	0
400	161	0	156	0	240	0	232	0	0	0	0	0	23	1	52	344	17	0	52	320	13	0	39	343	354	0	48	327	0	0	0	0	0	0	0	0
500	166	0	160	0	244	0	243	0	0	0	0	0	20	0	53	350	11	0	50	319	11	0	50	339	351	0	62	317	0	0	0	0	0	0	0	0
600	140	0	138	0	241	0	235	0	0	0	0	0	5	1	50	311	356	0	50	283	3	0	55	305	343	0	20	303	0	0	0	0	0	0	0	0
700	161	0	157	0	269	0	265	0	0	0	0	0	355	0	115	321	349	0	61	278	359	0	63	335	336	0	24	293	0	0	0	0	0	0	0	0
800	185	0	181	0	279	0	264	0	0	0	0	0	352	0	45	320	345	0	55	280	0	0	46	335	337	0	24	312	0	0	0	0	0	0	0	0
900	146	0	142	0	277	0	240	0	0	0	0	0	9	0	54	317	2	0	70	282	2	0	42	318	341	0	19	298	0	0	0	0	0	0	0	0
1000	186	0	184	0	261	0	249	0	0	0	0	0	25	1	49	0	21	0	64	356	19	0	46	352	0	0	50	315	0	0	0	0	0	0	0	0
1100	151	0	146	0	241	0	236	0	0	0	0	0	12	1	47	319	11	0	91	314	8	0	55	323	346	0	26	297	0	0	0	0	0	0	0	0
1200	157	0	152	0	263	0	259	0	0	0	0	0	355	0	52	320	350	0	84	279	3	0	50	327	343	0	30	315	0	0	0	0	0	0	0	0
1300	184	0	178	0	291	0	284	0	0	0	0	0	359	1	52	314	352	0	82	299	359	0	35	304	340	0	29	303	0	0	0	0	0	0	0	0
1400	185	0	178	0	293	0	289	0	0	0	0	0	359	0	65	313	353	0	71	311	1	0	45	330	341	0	28	309	0	0	0	0	0	0	0	0
1500	185	0	181	0	303	0	300	0	0	0	0	0	4	0	52	321	357	0	108	292	1	0	40	311	341	0	46	305	0	0	0	0	0	0	0	0
1600	174	0	157	0	275	0	269	0	0	0	0	0	351	1	42	313	345	0	42	311	1	0	26	323	340	0	20	302	0	0	0	0	0	0	0	0
1700	240	0	235	0	327	0	320	0	0	0	0	0	342	1	13	313	336	0	13	304	347	0	12	315	326	0	34	302	0	0	0	0	0	0	0	0
1800	255	0	249	0	344	0	336	0	0	0	0	0	340	0	359	287	332	0	2	276	347	0	5	336	325	0	345	313	0	0	0	0	0	0	0	0
1900	241	0	235	0	322	0	318	0	0	0	0	0	342	0	359	325	336	0	13	304	349	0	10	333	326	0	347	308	0	0	0	0	0	0	0	0
2000	213	0	214	0	307	0	303	0	0	0	0	0	337	0	355	297	330	0	3	283	343	0	11	313	321	0	345	303	0	0	0	0	0	0	0	0
2100	234	0	225	0	309	0	303	0	0	0	0	0	341	0	356	322	333	0	3	301	346	0	359	334	324	0	344	308	0	0	0	0	0	0	0	0
2200	167	0	133	0	270	0	258	0	0	0	0	0	347	0	21	323	343	0	13	310	358	0	29	326	337	0	21	300	0	0	0	0	0	0	0	0
2300	242	0	239	0	321	0	315	0	0	0	0	0	343	0	3	320	335	0	5	302	349	0	14	324	326	0	3	310	0	0	0	0	0	0	0	0
2400	230	0	226	0	307	0	294	0	0	0	0	0	349	1	6	317	337	0	22	300	351	0	14	320	328	0	356	298	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP5	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	397	0	392	0	385	0	381	0	320	0	320	0	-11	0	-9	0	0	0	0	0	370	0	0	0	0	0	0	0	0	0	0	0	0	0	109	0
200	395	0	390	0	383	0	378	0	320	0	320	0	-13	0	-9	0	0	0	0	0	370	0	0	0	0	0	0	0	0	0	0	0	0	0	111	0
300	399	0	394	0	385	0	381	0	320	0	320	0	-13	0	-11	0	0	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	114	0
400	410	0	405	0	403	0	397	0	320	0	320	0	-7	0	-5	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	114	0
500	417	0	414	0	412	0	406	0	320	0	320	0	-7	0	-5	0	0	0	0	0	354	0	0	0	0	0	0	0	0	0	0	0	0	0	114	0
600	421	0	415	0	412	0	408	0	320	0	320	0	-7	0	-5	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	114	0
700	428	0	423	0	417	0	414	0	320	0	320	0	-9	0	-7	0	0	0	0	0	367	0	0	0	0	0	0	0	0	0	0	0	0	0	114	0
800	426	0	421	0	415	0	412	0	320	0	320	0	-9	0	-7	0	0	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	114	0
900	426	0	419	0	415	0	412	0	320	0	320	0	-9	1	-7	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1000	415	0	410	0	405	0	401	0	320	0	320	0	-9	1	-7	0	0	0	0	0	354	0	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1100	415	0	410	0	405	0	401	0	320	0	320	0	-9	0	-7	0	0	0	0	0	387	0	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1200	417	0	414	0	408	0	403	0	320	0	320	0	-11	0	-9	0	0	0	0	0	540	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1300	419	0	414	0	409	0	403	0	320	0	320	0	-11	0	-9	0	0	0	0	0	601	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1400	414	0	408	0	399	0	394	0	320	0	320	0	-14	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1500	406	0	401	0	393	0	387	0	320	0	320	0	-15	0	-13	0	0	0	0	0	405	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1600	423	0	417	0	414	0	410	0	320	0	320	0	-9	1	-7	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1700	415	0	410	0	406	0	399	0	320	0	320	0	-11	1	-9	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1800	414	0	408	0	401	0	397	0	320	0	320	0	-11	0	-9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1900	410	0	405	0	397	0	394	0	320	0	320	0	-11	0	-9	0	0	0	0	0	432	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
2000	405	0	401	0	394	0	386	0	320	0	320	0	-11	0	-9	0	0	0	0	0	406	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
2100	412	0	406	0	401	0	397	0	320	0	320	0	-9	0	-7	0	0	0	0	0	384	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
2200	387	0	381	0	379	0	372	0	320	0	320	0	-9	0	-7	0	0	0	0	0	349	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2300	405	0	397	0	394	0	390	0	320	0	320	0	-9	0	-7	0	0	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2400	405	0	401	0	398	0	390	0	320	0	320	0	-11	0	-9	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND MIN 50 A S	WIND MAX 50 A S	WIND DIR2	WIND MIN 150A S	WIND MAX 150A S	WIND DIR3	WIND MIN 150B S	WIND MAX 150B S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6
100	207 0	201 0	205 0	207 0	0 0	0 0	342 1	9	298	339 0	12	239	349 0	1	326	327 0	306	331	0 0	0	0	1 0
200	171 0	163 0	232 0	226 0	0 0	0 0	349 0	22	321	339 0	23	302	352 0	12	337	332 0	8	316	0 0	0	0	0 0
300	175 0	169 0	246 0	241 0	0 0	0 0	343 1	11	314	336 0	26	293	349 0	11	332	328 0	350	302	0 0	0	0	0 0
400	157 0	158 0	222 0	222 0	0 0	0 0	325 1	351	282	319 0	1	273	334 0	355	311	312 0	328	239	0 0	0	0	0 0
500	146 0	149 0	204 0	203 0	0 0	0 0	337 1	36	293	330 0	27	272	349 0	5	326	323 0	346	308	0 0	0	0	0 0
600	132 0	129 0	169 0	136 0	0 0	0 0	323 1	354	289	315 0	0	271	335 0	14	306	313 0	353	269	0 0	0	0	0 0
700	153 0	150 0	207 0	204 0	0 0	0 0	342 1	19	285	337 0	22	302	347 0	9	315	325 0	343	299	0 0	0	0	0 0
800	123 0	136 0	172 0	170 0	0 0	0 0	317 1	6	293	312 0	339	272	330 0	343	303	308 0	325	296	0 0	0	0	0 0
900	117 0	117 0	165 0	156 0	0 0	0 0	342 1	6	317	336 0	6	300	343 0	15	319	326 0	352	301	0 0	0	0	0 0
1000	97 0	96 0	136 0	134 0	0 0	0 0	328 0	8	283	320 0	21	283	339 0	7	307	315 0	340	295	0 0	0	0	0 0
1100	77 0	79 0	107 0	107 0	0 0	0 0	339 1	0	275	323 0	359	258	336 0	3	298	315 0	346	272	0 0	0	0	0 0
1200	73 0	91 0	92 0	92 0	0 0	0 0	316 0	358	284	309 0	4	280	325 0	343	297	303 0	324	286	0 0	0	0	0 0
1300	47 0	46 0	61 0	59 0	0 0	0 0	307 0	344	259	301 0	347	257	321 0	339	288	299 0	322	273	0 0	0	0	0 0
1400	36 0	37 0	44 0	47 0	0 0	0 0	310 1	10	279	301 0	353	254	327 0	2	301	305 0	336	277	0 0	0	0	0 0
1500	42 0	51 0	65 0	71 0	0 0	0 0	273 1	334	216	271 0	333	219	284 0	323	255	264 0	302	235	0 0	0	0	0 0
1600	51 0	53 0	58 0	59 0	0 0	0 0	252 1	284	196	249 0	236	195	247 0	267	186	230 0	258	158	0 0	0	0	0 0
1700	35 0	34 0	42 0	46 0	0 0	0 0	227 0	260	190	226 0	240	191	230 0	251	207	214 0	235	188	0 0	0	0	0 0
1800	34 0	35 0	55 0	59 0	0 0	0 0	138 1	156	126	139 0	154	125	154 0	175	146	142 0	159	133	0 0	0	0	0 0
1900	66 0	68 0	117 0	118 0	0 0	0 0	139 0	153	125	137 0	166	120	141 0	145	136	128 0	133	122	0 0	0	0	0 0
2000	55 0	55 0	104 0	111 0	0 0	0 0	145 0	184	123	147 0	178	118	156 0	163	145	143 0	152	135	0 0	0	0	0 0
2100	53 0	51 0	102 0	115 0	0 0	0 0	135 0	166	120	137 0	160	109	152 0	163	141	139 0	152	129	0 0	0	0	0 0
2200	59 0	60 0	112 0	116 0	0 0	0 0	132 1	149	118	135 0	162	113	152 0	166	139	140 0	146	129	0 0	0	0	0 0
2300	67 0	69 0	118 0	123 0	0 0	0 0	132 0	150	116	135 0	162	114	149 0	163	129	137 0	153	122	0 0	0	0	0 0
2400	68 0	70 0	123 0	134 0	0 0	0 0	135 0	162	112	135 0	161	106	159 0	174	132	145 0	163	122	0 0	0	0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	383 0	385 0	376 0	378 0	323 0	320 0	-13 0	-11 0	0 0	0 0	-9 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
200	405 0	399 0	392 0	398 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-2 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
300	396 0	390 0	386 0	391 0	320 0	320 0	-9 0	-7 0	0 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
400	403 0	397 0	394 0	398 0	323 0	320 0	-9 0	-7 0	0 0	0 0	4 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
500	401 0	394 0	390 0	395 0	320 0	320 0	-9 0	-7 0	0 0	0 0	4 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
600	397 0	392 0	388 0	393 0	320 0	320 0	-9 0	-7 0	0 0	0 0	8 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
700	396 0	390 0	387 0	391 0	320 0	320 0	-9 0	-7 0	0 0	0 0	8 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
800	383 0	383 0	378 0	382 0	320 0	320 0	-11 0	-9 0	0 0	0 0	8 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
900	392 0	385 0	381 0	388 0	320 0	320 0	-9 0	-7 0	0 0	0 0	11 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1000	384 0	383 0	374 0	379 0	320 0	320 0	-11 0	-7 0	0 0	0 0	-47 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1100	394 0	388 0	381 0	388 0	320 0	320 0	-11 0	-9 0	0 0	0 0	-54 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1200	394 00	388 0	381 0	386 0	320 0	320 0	-11 0	-9 0	0 0	0 0	-51 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1300	397 0	392 0	387 0	391 0	320 0	320 0	-11 0	-9 0	0 0	0 0	-47 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1400	392 0	394 0	387 0	391 0	320 0	320 0	-12 0	-11 0	0 0	0 0	-45 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1500	397 0	392 0	385 0	391 0	320 0	320 0	-11 0	-9 0	0 0	0 0	-49 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1600	405 0	397 0	392 0	397 0	320 0	320 0	-11 0	-9 0	0 0	0 0	-45 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1700	388 0	383 0	381 0	389 0	320 0	320 0	-7 0	-5 0	0 0	0 0	-58 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1800	365 0	356 0	372 0	374 0	320 0	320 0	16 0	20 0	0 0	0 0	-62 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1900	366 0	358 0	378 0	372 0	320 0	320 0	14 0	16 0	0 0	0 0	-65 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
2000	361 0	356 0	363 0	360 0	320 0	320 0	4 0	5 0	0 0	0 0	-63 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
2100	354 0	347 0	356 0	351 0	320 0	320 0	4 0	5 0	0 0	0 0	-67 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
2200	342 0	338 0	352 0	347 0	320 0	320 0	5 0	7 0	0 0	0 0	-73 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
2300	347 0	340 0	349 0	343 0	320 0	320 0	-2 0	5 0	0 0	0 0	-74 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
2400	347 0	340 0	354 0	351 0	320 0	320 0	2 0	13 0	0 0	0 0	-76 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0

STATUS CODE(S) DEFINITIONS - 0 VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FINAL DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	97	0	97	0	143	0	147	0	0	0	0	0	123	1	142	111	129	0	166	102	147	0	163	134	135	0	153	123	0	0	0	0	0	0	0	0
200	83	0	85	0	139	0	145	0	0	0	0	0	151	1	149	116	134	0	157	112	149	0	166	121	137	0	162	116	0	0	0	0	0	0	0	0
300	97	0	96	0	159	0	157	0	0	0	0	0	149	1	183	116	142	0	193	105	156	0	169	134	143	0	160	111	0	0	0	0	0	0	0	0
400	95	0	93	0	162	0	157	0	0	0	0	0	145	1	183	119	145	0	184	108	159	0	179	139	148	0	169	132	0	0	0	0	0	0	0	0
500	84	0	81	0	143	0	151	0	0	0	0	0	146	1	179	122	146	0	193	110	162	0	182	140	149	0	166	128	0	0	0	0	0	0	0	0
600	85	0	84	0	145	0	147	0	0	0	0	0	149	1	202	114	147	0	236	108	164	0	185	145	152	0	171	132	0	0	0	0	0	0	0	0
700	71	0	69	0	126	0	120	0	0	0	0	0	156	0	198	113	154	0	196	105	173	0	195	146	160	0	189	135	0	0	0	0	0	0	0	0
800	75	0	73	0	137	0	127	0	0	0	0	0	158	1	206	117	157	0	236	107	174	0	197	151	162	0	193	142	0	0	0	0	0	0	0	0
900	53	0	51	0	104	0	91	0	0	0	0	0	171	0	207	124	169	0	226	100	186	0	211	161	171	0	205	139	0	0	0	0	0	0	0	0
1000	63	0	63	0	115	0	101	0	0	0	0	0	187	1	248	115	139	0	256	109	195	0	227	163	181	0	208	152	0	0	0	0	0	0	0	0
1100	41	0	38	0	73	0	61	0	0	0	0	0	194	1	269	106	193	3	257	96	197	0	242	150	182	0	232	127	0	0	0	0	0	0	0	0
1200	53	0	46	0	73	0	64	0	0	0	0	0	207	1	254	128	205	0	267	123	201	0	253	142	198	0	249	144	0	0	0	0	0	0	0	0
1300	60	0	53	0	79	0	74	0	0	0	0	0	234	0	318	182	234	0	317	185	222	0	275	187	206	0	257	173	0	0	0	0	0	0	0	0
1400	61	0	59	0	97	0	64	0	0	0	0	0	251	0	314	196	248	0	297	200	235	0	290	184	218	0	254	167	0	0	0	0	0	0	0	0
1500	49	0	41	0	76	0	72	0	0	0	0	0	199	0	248	127	185	0	261	101	189	0	240	143	174	0	217	135	0	0	0	0	0	0	0	0
1600	45	0	38	0	60	0	71	0	0	0	0	0	174	1	259	99	181	0	256	97	193	0	224	145	179	0	209	136	0	0	0	0	0	0	0	0
1700	43	0	39	0	69	0	78	0	0	0	0	0	177	1	234	120	179	0	254	109	189	0	217	164	174	0	199	149	0	0	0	0	0	0	0	0
1800	42	0	37	0	85	0	74	0	0	0	0	0	166	1	203	131	163	0	200	111	185	0	201	174	170	0	184	158	0	0	0	0	0	0	0	0
1900	53	0	47	0	120	0	131	0	0	0	0	0	167	0	197	135	167	0	208	132	187	0	196	180	172	0	182	166	0	0	0	0	0	0	0	0
2000	53	0	49	0	103	0	102	0	0	0	0	0	147	0	162	133	145	0	175	119	172	0	178	169	159	0	164	156	0	0	0	0	0	0	0	0
2100	57	0	50	0	123	0	115	0	0	0	0	0	155	0	199	128	154	0	207	117	177	0	185	166	163	0	170	155	0	0	0	0	0	0	0	0
2200	64	0	58	0	127	0	115	0	0	0	0	0	161	0	202	126	159	0	203	111	182	0	200	167	169	0	188	156	0	0	0	0	0	0	0	0
2300	56	0	42	0	98	0	85	0	0	0	0	0	193	1	243	132	194	0	263	137	197	0	216	166	182	0	207	153	0	0	0	0	0	0	0	0
2400	58	0	51	0	101	0	97	0	0	0	0	0	176	0	230	118	170	0	240	106	185	0	212	159	169	0	209	128	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	APR. TEMP5	S	D.T. 1 130A	S	D.T. .2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	367	0	361	0	365	0	360	0	320	0	320	0	2	0	0	0	0	0	0	0	-63	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
200	374	0	369	0	370	0	367	0	320	0	320	0	-2	0	0	0	0	0	0	0	-62	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
300	377	0	372	0	379	0	374	0	320	0	320	0	2	0	4	0	0	0	0	0	-60	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
400	372	0	367	0	372	0	367	0	320	0	320	0	0	1	4	0	0	0	0	0	-62	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
500	381	0	374	0	376	0	372	0	320	0	320	0	-4	1	2	0	0	0	0	0	-56	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
600	387	0	381	0	381	0	378	0	320	0	320	0	-4	1	-2	0	0	0	0	0	-53	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
700	388	0	383	0	383	0	378	0	320	0	320	0	-5	0	-4	0	0	0	0	0	-51	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
800	392	0	387	0	387	0	383	0	320	0	320	0	-4	0	-2	0	0	0	0	0	-49	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
900	403	0	403	0	399	0	394	0	320	0	320	0	-7	1	-7	0	0	0	0	0	-47	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1000	437	0	432	0	423	0	419	0	320	0	320	0	-14	1	-13	0	0	0	0	0	-33	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1100	460	0	455	0	446	0	441	0	320	0	320	0	-13	1	-13	0	0	0	0	0	-29	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1200	504	0	478	0	482	0	478	0	320	0	320	0	-22	1	-20	0	0	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1300	536	0	529	0	507	0	505	0	327	0	320	0	-22	1	-20	0	0	0	0	0	15	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1400	549	0	541	0	522	0	520	0	323	0	320	0	-18	1	-16	0	0	0	0	0	26	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1500	563	0	558	0	529	0	525	0	329	0	320	0	-27	1	-25	0	0	0	0	0	394	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1600	540	0	534	0	522	0	518	0	320	0	320	0	-13	1	-11	0	0	0	0	0	394	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1700	525	0	518	0	516	0	514	0	320	0	320	0	2	1	0	0	0	0	0	0	396	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1800	507	0	500	0	515	0	513	0	320	0	320	0	11	1	13	0	0	0	0	0	396	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1900	498	0	491	0	515	0	511	0	320	0	320	0	23	1	22	0	0	0	0	0	399	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2000	487	0	480	0	516	0	511	0	320	0	320	0	31	1	32	0	0	0	0	0	397	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2100	495	0	489	0	511	0	505	0	320	0	320	0	16	1	18	0	0	0	0	0	401	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2200	493	0	486	0	500	0	495	0	320	0	320	0	7	1	11	0	0	0	0	0	405	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2300	507	0	502	0	502	0	496	0	327	0	320	0	-5	1	-4	0	0	0	0	0	415	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2400	505	0	500	0	498	0	493	0	320	0	320	0	-7	0	-5	0	0	0	0	0	421	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0

STATUS CODE(S) DEFINITIONS - 0 EVALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1			WIND DIR2			WIND DIR3			WIND DIR4			WIND DIR5			WIND DIR6		
	50 A	S	50 B	S	1504	S	1508	S		S	50 A	S		MIN	MAX	S		MIN	MAX	S		MIN	MAX	S		MIN	MAX	S		MIN	MAX	S
100	52	0	47	0	92	0	91	0	0	0	0	0	142	177	114	141	0	191	100	165	0	186	143	153	0	179	130	0	0	0	0	0	0
200	82	0	76	0	97	0	107	0	0	0	0	0	113	131	101	122	0	140	86	130	0	140	120	118	0	136	106	0	0	0	0	0	0
300	83	0	79	0	107	0	112	0	0	0	0	0	125	143	110	127	0	150	109	134	0	150	125	123	0	135	112	0	0	0	0	0	0
400	99	0	100	0	143	0	148	0	0	0	0	0	129	144	115	130	0	163	102	137	0	146	117	126	0	139	112	0	0	0	0	0	0
500	105	0	101	0	142	0	142	0	0	0	0	0	125	141	111	127	0	198	98	133	0	147	115	123	0	140	106	0	0	0	0	0	0
600	93	0	94	0	136	0	138	0	0	0	0	0	135	159	118	139	0	177	106	152	0	171	132	140	0	156	123	0	0	0	0	0	0
700	105	0	103	0	152	0	156	0	0	0	0	0	131	146	112	139	0	156	116	142	0	156	124	131	0	144	104	0	0	0	0	0	0
800	82	0	83	0	123	0	133	0	0	0	0	0	133	169	98	135	0	178	103	146	0	173	119	135	0	156	108	0	0	0	0	0	0
900	72	0	78	0	122	0	126	0	0	0	0	0	145	186	106	146	0	189	94	165	0	186	138	153	0	179	118	0	0	0	0	0	0
1000	81	0	75	0	149	0	128	0	0	0	0	0	177	228	122	177	0	239	102	188	0	215	148	174	0	197	147	0	0	0	0	0	0
1100	77	0	68	0	143	0	124	0	0	0	0	0	186	262	97	184	0	261	93	191	0	223	101	177	0	206	144	0	0	0	0	0	0
1200	87	0	72	0	143	0	122	0	0	0	0	0	191	259	103	190	0	262	94	198	0	236	169	184	0	212	157	0	0	0	0	0	0
1300	102	0	94	0	174	0	152	0	0	0	0	0	201	258	109	203	0	267	91	202	0	240	173	196	0	242	149	0	0	0	0	0	0
1400	77	0	65	0	137	0	117	0	0	0	0	0	206	255	143	205	0	269	111	203	0	240	167	189	0	236	144	0	0	0	0	0	0
1500	101	0	87	0	156	0	134	0	0	0	0	0	208	260	161	208	0	260	129	208	0	235	156	193	0	224	153	0	0	0	0	0	0
1600	89	0	75	0	152	0	127	0	0	0	0	0	182	252	103	183	0	245	95	191	0	216	153	176	0	198	139	0	0	0	0	0	0
1700	88	0	79	0	154	0	136	0	0	0	0	0	171	234	111	171	0	243	96	183	0	214	149	170	0	208	128	0	0	0	0	0	0
1800	95	0	96	0	164	0	154	0	0	0	0	0	159	246	97	157	0	198	113	174	0	218	137	161	0	202	134	0	0	0	0	0	0
1900	112	0	113	0	186	0	182	0	0	0	0	0	136	165	119	138	0	183	108	148	0	162	129	136	0	166	118	0	0	0	0	0	0
2000	124	0	127	0	209	0	216	0	0	0	0	0	145	172	110	145	0	199	110	156	0	190	133	145	0	173	124	0	0	0	0	0	0
2100	143	0	147	0	234	0	242	0	0	0	0	0	147	164	111	150	0	184	120	159	0	174	136	147	0	166	129	0	0	0	0	0	0
2200	103	0	103	0	197	0	176	0	0	0	0	0	165	209	120	164	0	263	92	180	0	212	144	166	0	190	131	0	0	0	0	0	0
2300	113	0	108	0	206	0	123	0	0	0	0	0	167	224	109	163	0	215	97	179	0	203	149	165	0	186	143	0	0	0	0	0	0
2400	111	0	101	0	200	0	185	0	0	0	0	0	171	228	129	167	0	220	105	179	0	212	139	167	0	197	141	0	0	0	0	0	0

	AMB. TEMP1		AMB. TEMP2		AMB. TEMP4		AMB. TEMP8		AMB. TEMP5			D.T. 1			D.T. 2			D.T. 3			D.T. 4			MISC 1			MISC 2			MISC 3			MISC 4			MISC 5			MISC 6			MISC 7			RAIN	
	30 A	S	30 B	S	1604	S	1608	S		S		1504	S		1608	S			S			S			S			S			S			S			S			S			S		
100	491	0	486	0	484	0	480	0	320	0	320	0	-5	0	-5	0	0	0	0	0	0	419	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0
200	487	0	480	0	480	0	477	0	320	0	320	0	-5	0	-4	0	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	487	0	482	0	480	0	475	0	320	0	320	0	-4	0	-4	0	0	0	0	0	0	430	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	491	0	486	0	486	0	482	0	320	0	320	0	-5	0	-4	0	0	0	0	0	0	430	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	0
500	491	0	484	0	482	0	478	0	320	0	320	0	-5	0	-4	0	0	0	0	0	0	432	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	0
600	496	0	491	0	491	0	487	0	320	0	320	0	-5	0	-4	0	0	0	0	0	0	433	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	0
700	503	0	495	0	495	0	491	0	320	0	320	0	-4	0	-2	0	0	0	0	0	0	437	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	139	0
800	505	0	498	0	501	0	496	0	320	0	320	0	-4	0	-2	0	0	0	0	0	0	441	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	143	0
900	525	0	522	0	522	0	520	0	320	0	320	0	-2	0	0	0	0	0	0	0	0	451	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	143	0
1000	554	0	549	0	547	0	543	0	320	0	320	0	-5	0	-5	0	0	0	0	0	0	462	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
1100	583	0	579	0	574	0	570	0	320	0	320	0	-9	0	-9	0	0	0	0	0	0	466	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
1200	606	0	601	0	597	0	592	0	320	0	320	0	-7	0	-7	0	0	0	0	0	0	475	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
1300	637	0	630	0	621	0	617	0	320	0	320	0	-14	0	-14	0	0	0	0	0	0	482	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
1400	633	0	629	0	625	0	621	0	320	0	320	0	-7	0	-7	0	0	0	0	0	0	479	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
1500	641	0	635	0	631	0	628	0	320	0	320	0	-7	0	-7	0	0	0	0	0	0	474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
1600	637	0	631	0	628	0	622	0	320	0	320	0	-9	0	-7	0	0	0	0	0	0	477	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
1700	628	0	622	0	622	0	617	0	320	0	320	0	-6	0	-4	0	0	0	0	0	0	473	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
1800	613	0	606	0	606	0	601	0	320	0	320	0	-5	0	-5	0	0	0	0	0	0	471	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
1900	597	0	594	0	595	0	592	0	321	0	320	0	-4	0	2	0	0	0	0	0	0	475	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
2000	601	0	595	0	597	0	594	0	323	0	320	0	-2	0	2	0	0	0	0	0	0	466	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
2100	604	0	599	0	601	0	595	0	320	0	320	0	-4	0	-2	0	0	0	0	0	0	469	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
2200	612	0	606	0	605	0	603	0	320	0	320	0	-4	0	-2	0	0	0	0	0	0	455	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
2300	603	0	597	0	601	0	595	0	320	0	320	0	2	0	0	0	0	0	0	0	0	451	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
2400	618	0	603	0	606	0	601	0	320	0	320	0	-4	0	-2	0	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 A	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	92	0	89	0	177	1	150	0	0	0	0	0	163	1	219	117	165	0	244	93	177	0	213	148	164	0	197	131	0	0	0	0	0	0	0	0
200	134	0	134	0	239	0	216	0	0	0	0	0	153	1	198	125	154	0	206	115	169	0	211	141	156	0	194	136	0	0	0	0	1	0	0	0
300	153	0	144	0	254	0	242	0	0	0	0	0	162	0	207	129	161	0	217	116	174	0	203	152	161	0	182	141	0	0	0	0	0	0	0	0
400	157	0	157	0	265	0	277	0	0	0	0	0	143	0	189	119	146	0	196	122	154	0	175	133	144	0	163	124	0	0	0	0	0	0	0	0
500	143	0	147	0	252	0	226	0	0	0	0	0	143	0	170	116	144	0	183	110	157	0	185	144	147	0	166	126	0	0	0	0	0	0	0	0
600	172	0	176	0	277	0	269	0	0	0	0	0	144	0	173	118	147	0	198	115	160	0	186	149	150	0	171	123	0	0	0	0	0	0	0	0
700	151	0	148	0	252	0	239	0	0	0	0	0	152	0	202	111	159	0	205	109	170	0	195	144	160	0	194	142	0	0	0	0	0	0	0	0
800	143	0	141	0	244	0	237	0	0	0	0	0	156	0	202	111	158	0	214	103	173	0	194	143	159	0	188	129	0	0	0	0	0	0	0	0
900	136	0	136	0	234	0	240	0	0	0	0	0	155	0	224	118	153	0	199	106	166	0	207	135	155	0	188	130	0	0	0	0	0	0	0	0
1000	221	0	223	0	312	0	329	0	0	0	0	0	264	0	279	244	252	0	297	227	265	0	278	254	250	0	258	242	0	0	0	0	0	0	0	0
1100	83	0	74	0	113	0	112	0	0	0	0	0	226	0	258	191	225	0	265	178	227	0	254	200	210	0	233	185	0	0	0	0	0	0	0	0
1200	147	0	139	0	161	1	135	0	0	0	0	0	230	0	263	191	229	0	269	170	231	0	263	197	214	0	242	187	0	0	0	0	0	0	0	0
1300	251	0	251	0	362	0	378	0	0	0	0	0	253	0	289	230	251	0	298	200	257	0	275	234	240	0	258	220	0	0	0	0	0	0	0	0
1400	252	0	254	0	367	0	344	0	0	0	0	0	257	0	280	233	255	0	298	224	261	0	290	222	244	0	269	218	0	0	0	0	0	0	0	0
1500	256	0	262	0	345	0	366	0	0	0	0	0	263	0	282	244	261	0	297	234	264	0	277	244	248	0	260	219	0	0	0	0	0	0	0	0
1600	252	0	256	0	343	0	367	0	0	0	0	0	251	0	285	243	259	0	298	220	265	0	281	249	248	0	263	224	0	0	0	0	0	0	0	0
1700	317	0	327	0	397	0	416	0	0	0	0	0	267	0	283	233	264	0	296	227	268	0	281	243	252	0	264	215	0	0	0	0	0	0	0	0
1800	264	0	275	0	343	0	371	0	0	0	0	0	263	1	279	242	260	0	279	226	266	0	289	243	249	0	260	226	0	0	0	0	0	0	0	0
1900	311	0	319	0	403	0	420	0	0	0	0	0	264	0	278	239	261	0	283	211	267	0	284	254	251	0	264	239	0	0	0	0	0	0	0	0
2000	250	0	248	0	324	0	341	0	0	0	0	0	247	0	263	215	243	0	271	182	250	0	259	228	232	0	245	214	0	0	0	0	0	0	0	0
2100	153	0	157	0	224	0	238	0	0	0	0	0	239	0	263	206	237	0	241	198	240	0	267	197	222	0	246	185	0	0	0	0	0	0	0	0
2200	253	0	261	0	363	0	393	0	0	0	0	0	249	0	277	226	248	0	285	201	255	0	264	243	238	0	247	224	0	0	0	0	0	0	0	0
2300	237	0	242	0	316	0	333	0	0	0	0	0	243	0	268	224	245	0	281	198	252	0	262	235	234	0	246	213	0	0	0	0	0	0	0	0
2400	165	0	161	0	225	0	242	0	0	0	0	0	241	1	272	206	239	0	285	206	243	0	262	220	224	0	242	207	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	601	0	595	0	597	0	592	0	320	0	320	0	-1	0	-2	0	0	0	0	0	433	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
200	586	0	581	0	585	0	579	0	320	0	320	0	-2	0	0	0	0	0	0	0	432	0	0	0	0	0	0	0	0	0	0	0	0	0	144	0
300	556	0	549	0	551	0	550	0	320	0	320	0	0	0	2	0	0	0	0	0	439	0	0	0	0	0	0	0	0	0	0	0	0	0	145	0
400	540	0	534	0	532	0	527	0	320	0	320	0	-7	0	-5	0	0	0	0	0	437	0	0	0	0	0	0	0	0	0	0	0	0	0	146	0
500	545	0	540	0	541	0	536	0	320	0	320	0	-4	0	-4	0	0	0	0	0	435	0	0	0	0	0	0	0	0	0	0	0	0	0	146	0
600	553	0	550	0	550	0	545	0	320	0	320	0	-7	0	-5	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	0	0	146	0
700	561	0	556	0	556	0	550	0	320	0	320	0	-5	0	-5	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	0	0	146	0
800	561	0	556	0	554	0	550	0	320	0	320	0	-7	0	-5	0	0	0	0	0	451	0	0	0	0	0	0	0	0	0	0	0	0	0	146	0
900	549	0	543	0	545	0	540	0	320	0	320	0	-4	0	-4	0	0	0	0	0	453	0	0	0	0	0	0	0	0	0	0	0	0	0	147	0
1000	539	0	527	0	529	0	520	0	320	0	320	0	-7	0	-7	0	0	0	0	0	446	0	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1100	485	0	480	0	482	0	475	0	320	0	320	0	-5	0	-4	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1200	511	0	504	0	509	0	502	0	320	0	320	0	-7	0	-5	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0
1300	450	0	442	0	439	0	435	0	320	0	320	0	-9	0	-9	0	0	0	0	0	-78	2	0	0	0	0	0	0	0	0	0	0	0	0	158	0
1400	437	0	432	0	426	0	423	0	320	0	320	0	-11	0	-9	0	0	0	0	0	417	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0
1500	437	0	432	0	428	0	424	0	320	0	320	0	-7	0	-7	0	0	0	0	0	370	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0
1600	441	0	435	0	430	0	426	0	320	0	320	0	-9	0	-7	0	0	0	0	0	370	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0
1700	437	0	432	0	426	0	423	0	320	0	320	0	-11	0	-9	0	0	0	0	0	367	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0
1800	439	0	433	0	430	0	426	0	320	0	320	0	-9	0	-7	0	0	0	0	0	360	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0
1900	442	0	435	0	432	0	426	0	320	0	320	0	-7	0	-7	0	0	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0
2000	441	0	435	0	432	0	426	0	320	0	320	0	-9	0	-7	0	0	0	0	0	369	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0
2100	437	0	432	0	430	0	424	0	320	0	320	0	-7	0	-7	0	0	0	0	0	370	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0
2200	459	0	451	0	451	0	446	0	320	0	320	0	-5	0	-4	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0
2300	455	0	448	0	446	0	441	0	320	0	320	0	-7	0	-5	0	0	0	0	0	374	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0
2400	451	0	444	0	444	0	439	0	320	0	320	0	-5	0	-4	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	158	0

STATUS CODE(S) DEFINITIONS - 0 EVALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 1 S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND DIR2 MIN	MAX	S	WIND DIR3 MIN	MAX	150A S	WIND DIR4 MIN	MAX	150B S	WIND DIR5 MIN	MAX	S	WIND DIR6 MIN	MAX	S
100	229 0	229 0	334 0	333 0	0 0	0 0	247 1	260	216	246 0	274	215	251 0	263	235	233 0	242	217	0 0	0	0	0 0
200	223 0	232 0	334 0	368 0	0 0	0 0	267 1	281	234	256 0	286	214	262 0	288	241	245 0	260	222	0 0	0	0	0 0
300	312 1	326 0	334 0	350 0	0 0	0 0	269 1	283	260	264 0	295	246	275 0	290	258	257 0	278	245	0 0	0	0	0 0
400	271 0	261 0	329 0	340 0	0 0	0 0	247 1	261	245	262 0	279	238	267 0	277	242	250 0	259	220	0 0	0	0	0 0
500	212 0	217 0	324 1	304 0	0 0	0 0	253 1	289	232	254 0	290	212	261 0	280	241	243 0	257	216	0 0	0	0	0 0
600	223 0	223 0	305 1	322 0	0 0	0 0	252 1	276	236	251 0	297	222	257 0	278	241	239 0	256	229	0 0	0	0	0 0
700	211 0	229 0	273 1	291 0	0 0	0 0	246 1	263	223	244 0	281	210	250 0	259	227	232 0	248	208	0 0	0	0	0 0
800	163 0	171 0	223 0	242 0	0 0	0 0	244 1	271	202	242 0	263	213	244 0	268	225	225 0	242	206	0 0	0	0	0 0
900	147 0	147 0	212 1	231 0	0 0	0 0	243 1	267	213	241 0	231	184	240 0	265	215	226 0	250	199	0 0	0	0	0 0
1000	147 0	144 0	198 0	209 0	0 0	0 0	243 1	275	201	241 0	290	209	242 0	272	211	225 0	253	204	0 0	0	0	0 0
1100	128 0	128 0	236 0	251 0	0 0	0 0	242 1	269	231	247 0	271	212	248 0	258	220	231 0	241	201	0 0	0	0	0 0
1200	163 0	151 0	202 0	217 0	0 0	0 0	247 1	265	227	244 0	268	207	248 0	269	227	230 0	241	200	0 0	0	0	0 0
1300	112 1	116 0	153 0	163 0	0 0	0 0	251 1	292	227	246 0	297	216	254 0	293	234	237 0	253	221	0 0	0	0	0 0
1400	113 0	137 0	151 0	160 0	0 0	0 0	250 1	287	215	246 0	284	187	258 0	287	231	240 0	260	212	0 0	0	0	0 0
1500	95 0	97 0	131 0	137 0	0 0	0 0	248 1	273	221	244 0	275	208	256 0	286	242	239 0	269	223	0 0	0	0	0 0
1600	81 0	81 0	102 0	138 0	0 0	0 0	249 1	284	206	242 0	301	213	243 0	273	222	230 0	251	194	0 0	0	0	0 0
1700	77 1	76 0	113 0	122 0	0 0	0 0	248 1	262	212	238 0	274	202	249 0	264	231	232 0	236	219	0 0	0	0	0 0
1800	73 0	73 0	114 0	120 0	0 0	0 0	243 1	261	228	240 0	265	216	257 0	259	246	239 0	247	221	0 0	0	0	0 0
1900	51 0	59 0	95 0	102 0	0 0	0 0	247 1	264	232	245 0	255	209	262 0	275	260	251 0	256	246	0 0	0	0	0 0
2000	84 0	35 0	134 0	142 0	1 0	0 0	269 1	285	254	265 0	291	243	279 0	294	273	259 0	264	253	0 0	0	0	0 0
2100	83 0	84 0	126 0	134 0	1 0	0 0	259 1	269	231	250 0	274	232	273 0	279	268	255 0	259	252	0 0	0	0	0 0
2200	42 0	42 0	62 0	67 0	0 0	0 0	277 1	306	243	274 0	315	241	292 0	312	269	271 0	288	239	0 0	0	0	0 0
2300	61 0	60 0	89 0	73 0	0 0	0 0	262 1	288	240	259 0	285	235	288 0	312	269	269 0	291	248	0 0	0	0	0 0
2400	56 0	55 0	68 0	70 0	0 0	0 0	318 0	340	299	312 0	346	293	327 0	333	319	304 0	312	297	0 0	0	0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEM6 S	D.T. 1 S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	BAIN S
100	462 0	435 0	455 0	451 0	329 0	320 0	-5 0	-4 0	0 0	0 0	381 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
200	466 0	460 0	464 0	455 0	329 0	330 0	-5 0	-4 0	0 0	0 0	381 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
300	446 0	439 0	455 0	450 0	329 0	320 0	-9 0	-9 0	0 0	0 0	378 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
400	435 0	426 0	425 0	421 0	329 0	329 0	-9 0	-7 0	0 0	0 0	367 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
500	433 0	424 0	424 0	419 0	329 0	320 0	-7 0	-5 0	0 0	0 0	367 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
600	425 0	417 0	419 0	419 0	329 0	329 0	-7 0	-5 0	0 0	0 0	367 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
700	428 0	423 0	421 0	415 0	329 0	329 0	-7 0	-7 0	0 0	0 0	372 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
800	413 0	406 0	405 0	401 0	329 0	329 0	-7 0	-5 0	0 0	0 0	369 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
900	423 0	423 0	421 0	419 0	329 0	329 0	-9 0	-7 0	0 0	0 0	361 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1000	435 0	430 0	432 0	423 0	329 0	329 0	-11 0	-9 0	0 0	0 0	360 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1100	450 0	442 0	441 0	433 0	329 0	329 0	-11 0	-9 0	0 0	0 0	480 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1200	453 0	448 0	443 0	435 0	329 0	329 0	-13 0	-11 0	0 0	0 0	478 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1300	477 0	471 0	457 0	450 0	329 0	329 0	-22 0	-20 0	0 0	0 0	486 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1400	487 0	480 0	468 0	462 0	329 0	329 0	-22 0	-20 0	0 0	0 0	473 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1500	485 0	476 0	469 0	466 0	329 0	329 0	-16 0	-13 0	0 0	0 0	450 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1600	493 0	489 0	476 0	475 0	329 0	329 0	-16 0	-14 0	0 0	0 0	442 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1700	478 0	473 0	491 0	482 0	329 0	329 0	7 0	9 0	0 0	0 0	439 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1800	477 0	471 0	489 0	484 0	329 0	329 0	13 0	14 0	0 0	0 0	435 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1900	471 0	464 0	480 0	478 0	329 0	329 0	11 0	13 0	0 0	0 0	439 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
2000	483 0	478 0	504 0	495 0	329 0	329 0	16 0	18 0	0 0	0 0	435 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
2100	464 0	477 0	500 0	495 0	329 0	329 0	16 0	18 0	0 0	0 0	441 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
2200	471 0	462 0	475 0	471 0	329 0	329 0	5 0	9 0	0 0	0 0	442 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
2300	462 0	457 0	469 0	468 0	329 0	329 0	4 0	5 0	0 0	0 0	397 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0
2400	461 0	453 0	466 0	462 0	329 0	329 0	-11 0	-9 0	0 0	0 0	399 2	0 0	0 0	0 0	0 0	0 0	0 0	158 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 30 A S	WIND SPD2 30 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 30 A S	WIND DIR2 MIN 30 B S	WIND DIR2 MAX 30 B S	WIND DIR3 MIN 150A S	WIND DIR3 MAX 150A S	WIND DIR4 MIN 150B S	WIND DIR4 MAX 150B S	WIND DIR5 MIN S	WIND DIR5 MAX S	WIND DIR6 MIN S	WIND DIR6 MAX S
100	58 0	54 0	76 0	74 0	0 0	0 0	342 0	6	315	336 0	4	301	345 0	354	334	322 0	334 312	0 0	0 0	0 0	0 0
200	71 0	66 0	103 0	101 0	0 0	0 0	359 0	63	335	352 0	59	311	359 0	16	343	336 0	350 322	0 0	0 0	0 0	0 0
300	61 0	57 0	82 0	82 0	0 0	0 0	31 0	59	15	26 0	55	357	24 0	41	15	7 0	64 358	0 0	0 0	0 0	0 0
400	30 0	33 0	57 0	59 0	0 0	0 0	73 0	81	65	70 0	79	50	47 0	53	42	26 0	30 21	0 0	0 0	0 0	0 0
500	56 0	55 0	53 0	55 0	0 0	0 0	139 0	153	128	139 0	160	126	102 0	109	96	85 0	93 78	0 0	0 0	0 0	0 0
600	69 0	67 0	82 0	83 0	0 0	0 0	129 0	133	114	125 0	134	115	111 0	113	107	94 0	96 89	0 0	0 0	0 0	0 0
700	96 0	92 0	113 0	117 0	0 0	0 0	103 0	107	92	103 0	110	84	108 0	110	105	91 0	94 88	0 0	0 0	0 0	0 0
800	82 0	77 0	117 0	118 0	0 0	0 0	89 0	104	91	97 0	108	72	104 0	106	100	87 0	89 84	0 0	0 0	0 0	0 0
900	55 0	54 0	148 0	149 0	0 0	0 0	99 0	110	85	99 0	115	91	109 0	112	106	93 0	96 89	0 0	0 0	0 0	0 0
1000	67 0	65 0	90 0	91 0	0 0	0 0	92 0	127	67	92 0	126	57	97 0	113	67	80 0	97 58	0 0	0 0	0 0	0 0
1100	92 0	90 0	107 0	106 0	0 0	0 0	97 0	132	76	98 0	135	63	99 0	124	78	81 0	103 57	0 0	0 0	0 0	0 0
1200	70 0	70 0	71 0	76 0	0 0	0 0	115 0	137	90	115 0	140	73	120 0	152	96	105 0	132 80	0 0	0 0	0 0	0 0
1300	67 0	68 0	73 0	75 0	0 0	0 0	122 0	144	100	125 0	149	102	131 0	147	115	116 0	136 102	0 0	0 0	0 0	0 0
1400	70 0	77 0	94 0	96 0	0 0	0 0	135 0	163	111	138 0	172	97	143 0	159	126	128 0	143 105	0 0	0 0	0 0	0 0
1500	63 0	63 0	72 0	78 0	0 0	0 0	129 0	162	108	132 0	159	97	139 0	161	119	126 0	155 104	0 0	0 0	0 0	0 0
1600	92 0	91 0	103 0	107 0	0 0	0 0	117 0	135	97	119 0	147	88	120 0	133	104	107 0	122 85	0 0	0 0	0 0	0 0
1700	97 0	95 0	129 0	145 0	0 0	0 0	122 0	134	111	124 0	138	103	131 0	145	124	119 0	131 107	0 0	0 0	0 0	0 0
1800	116 0	115 0	147 0	162 0	0 0	0 0	121 0	142	106	123 0	147	100	132 0	145	122	119 0	133 107	0 0	0 0	0 0	0 0
1900	126 0	132 0	176 0	179 0	0 0	0 0	127 0	138	114	131 0	148	113	138 0	153	123	125 0	144 110	0 0	0 0	0 0	0 0
2000	84 0	92 0	160 0	164 0	0 0	0 0	137 0	156	110	141 0	176	116	153 0	173	138	142 0	164 125	0 0	0 0	0 0	0 0
2100	112 0	119 0	147 0	155 0	0 0	0 0	125 0	141	114	129 0	148	113	139 0	150	126	127 0	139 115	0 0	0 0	0 0	0 0
2200	80 0	90 0	140 0	143 0	0 0	0 0	139 0	154	119	138 0	166	119	149 0	164	137	137 0	147 121	0 0	0 0	0 0	0 0
2300	95 0	103 0	132 0	138 0	0 0	0 0	128 0	142	116	131 0	146	105	142 0	161	123	129 0	146 105	0 0	0 0	0 0	0 0
2400	87 0	93 0	153 0	160 0	0 0	0 0	138 0	165	108	142 0	217	110	155 0	176	115	143 0	163 122	0 0	0 0	0 0	0 0

	AMB. TEMP1 30 A S	AMB. TEMP2 30 B S	AMB. TEMP3 150A S	AMB. TEMP4 150B S	AMB. TEMP5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	453 0	446 0	444 0	439 0	320 0	320 0	-7 0	-5 0	0 0	0 0	394 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
200	443 0	441 0	441 0	435 0	320 0	320 0	-7 0	-5 0	0 0	0 0	392 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
300	437 0	428 0	430 0	424 0	320 0	320 0	-7 0	-4 0	0 0	0 0	383 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
400	415 0	406 0	423 0	417 0	320 0	320 0	7 0	11 0	0 0	0 0	376 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
500	406 0	397 0	426 0	421 0	320 0	320 0	22 0	23 0	0 0	0 0	381 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
600	396 0	388 0	424 0	419 0	320 0	320 0	29 0	31 0	0 0	0 0	379 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
700	396 0	388 0	426 0	421 0	320 0	320 0	29 0	32 0	0 0	0 0	379 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
800	367 0	360 0	421 0	419 0	320 0	320 0	56 0	58 0	0 0	0 0	367 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
900	353 0	352 0	419 0	414 0	320 0	320 0	61 0	63 0	0 0	0 0	370 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1000	406 0	401 0	405 0	399 0	320 0	320 0	2 0	2 0	0 0	0 0	415 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1100	439 0	432 0	428 0	423 0	320 0	320 0	-13 0	-11 0	0 0	0 0	406 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1200	459 0	453 0	446 0	441 0	320 0	320 0	-11 0	-9 0	0 0	0 0	410 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1300	486 0	480 0	475 0	471 0	320 0	320 0	-11 0	-9 0	0 0	0 0	414 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1400	513 0	513 0	502 0	496 0	320 0	320 0	-15 0	-16 0	0 0	0 0	421 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1500	533 0	534 0	525 0	522 0	320 0	320 0	-13 0	-13 0	0 0	0 0	423 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1600	542 0	543 0	538 0	534 0	320 0	320 0	-9 0	-9 0	0 0	0 0	421 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1700	543 0	536 0	547 0	540 0	320 0	320 0	2 0	4 0	0 0	0 0	424 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1800	545 0	536 0	543 0	536 0	320 0	320 0	-2 0	2 0	0 0	0 0	423 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
1900	545 0	538 0	540 0	534 0	320 0	320 0	-5 0	-4 0	0 0	0 0	428 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
2000	540 0	534 0	543 1	534 0	320 0	320 0	0 0	0 0	0 0	0 0	432 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
2100	545 0	540 0	545 0	536 0	320 0	320 0	-4 0	-4 0	0 0	0 0	442 0	0 0	0 0	0 0	0 0	0 0	0 0	159 0
2200	538 0	532 0	536 0	531 0	320 0	320 0	-2 0	0 0	0 0	0 0	435 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
2300	543 0	538 0	538 0	534 0	320 0	320 0	-5 0	-4 0	0 0	0 0	435 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
2400	554 0	549 0	550 0	547 0	320 0	320 0	-3 0	-2 0	0 0	0 0	441 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0

STATUS CODES(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND DIR2 MIN	MAX 50 A S	WIND DIR3 MIN	MAX 150A S	WIND DIR4 MIN	MAX 150B S	WIND DIR5 MIN	MAX S	WIND DIR6 MIN	MAX S
100	105 0	112 0	172 0	176 0	0 0	0 0	133 0	155	112	136 0	155	113	149 0	160	133	127 0	155 124	0 0	0 0	0 0	0 0
200	97 0	133 0	147 0	153 0	0 0	0 0	129 0	143	118	131 0	150	110	144 0	160	131	132 0	153 122	0 0	0 0	0 0	0 0
300	116 0	121 0	154 0	162 0	0 0	0 0	126 0	152	105	130 0	160	109	136 0	156	123	126 0	153 101	0 0	0 0	0 0	0 0
400	116 0	125 0	196 0	208 0	0 0	0 0	133 0	149	114	136 0	168	121	146 0	160	132	134 0	147 123	0 0	0 0	0 0	0 0
500	119 0	127 0	265 0	297 0	0 0	0 0	140 0	166	120	143 0	206	114	159 0	173	135	143 0	162 122	0 0	0 0	0 0	0 0
600	123 0	137 0	294 0	309 0	0 0	0 0	135 0	168	120	136 0	181	109	151 0	167	134	139 0	157 116	0 0	0 0	0 0	0 0
700	121 0	143 0	285 0	312 0	0 0	0 0	139 0	160	120	142 0	167	116	152 0	167	132	139 0	157 117	0 0	0 0	0 0	0 0
800	125 0	135 0	210 0	213 0	0 0	0 0	145 0	177	119	146 0	196	121	156 0	175	136	144 0	164 123	0 0	0 0	0 0	0 0
900	152 0	162 0	254 0	256 0	0 0	0 0	143 0	176	119	150 0	211	110	162 0	193	135	151 0	186 120	0 0	0 0	0 0	0 0
1000	173 0	174 0	283 0	286 0	0 0	0 0	146 0	167	124	148 0	132	119	157 0	176	136	147 0	164 132	0 0	0 0	0 0	0 0
1100	161 0	162 0	291 0	293 0	0 0	0 0	192 0	167	109	144 0	195	109	155 0	181	139	144 0	169 127	0 0	0 0	0 0	0 0
1200	137 0	144 0	231 0	236 0	0 0	0 0	145 0	180	109	148 0	197	121	162 0	185	143	152 0	171 127	0 0	0 0	0 0	0 0
1300	161 0	176 0	271 0	273 0	0 0	0 0	145 0	193	123	148 0	213	103	159 0	198	137	148 0	168 125	0 0	0 0	0 0	0 0
1400	181 0	191 0	297 0	307 0	0 0	0 0	146 0	175	122	150 0	218	119	153 0	187	137	147 0	165 129	0 0	0 0	0 0	0 0
1500	182 0	187 0	320 0	319 0	0 0	0 0	155 0	188	114	157 0	197	107	166 0	196	133	156 0	180 127	0 0	0 0	0 0	0 0
1600	124 0	114 0	243 0	282 0	0 0	0 0	184 0	241	108	182 0	265	101	192 0	225	157	180 0	243 139	0 0	0 0	0 0	0 0
1710	103 0	95 0	213 0	178 0	0 0	0 0	187 0	254	92	187 0	295	118	194 0	226	169	183 0	249 158	0 0	0 0	0 0	0 0
1800	301 0	311 0	450 0	462 0	0 0	0 0	252 0	267	236	252 0	308	223	259 0	278	241	242 0	254 213	0 0	0 0	0 0	0 0
1900	249 0	298 0	333 0	349 0	0 0	0 0	258 0	283	225	258 0	297	226	263 0	287	247	247 0	268 218	0 0	0 0	0 0	0 0
2000	235 0	239 0	311 0	329 0	0 0	0 0	245 0	274	219	246 0	294	214	248 0	269	211	231 0	249 203	0 0	0 0	0 0	0 0
2100	263 0	271 0	326 0	331 0	0 0	0 0	245 0	271	220	245 0	281	209	258 0	264	220	231 0	262 197	0 0	0 0	0 0	0 0
2200	270 0	276 0	395 0	413 0	0 0	0 0	257 0	284	230	254 0	291	209	263 0	281	232	246 0	264 210	0 0	0 0	0 0	0 0
2300	262 0	272 0	360 0	375 0	0 0	0 0	260 0	279	233	257 0	302	203	263 0	283	230	246 0	258 220	0 0	0 0	0 0	0 0
2400	267 0	279 0	365 0	332 0	0 0	0 0	262 0	281	227	259 0	286	204	266 0	280	236	250 0	261 223	0 0	0 0	0 0	0 0

	AMB. TEM1 3D A S	AMB. TEM2 3C B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEM6 S	O.T. 1 180A S	O.T. 2 180B S	O.T. 3 S	O.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	565 0	559 0	563 0	558 0	320 0	320 0	2 0	0 0	0.0	0 0	446 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
200	564 0	563 0	565 0	559 0	320 0	320 0	-1 0	2 0	0 0	0 0	442 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
300	574 0	568 0	570 0	567 0	320 0	320 0	-4 0	-4 0	0 0	0 0	441 0	0 0	0 0	0 0	0 0	0 0	0 0	158 0
400	552 0	547 0	552 0	547 0	320 0	320 0	0 0	2 0	0 0	0 0	453 0	0 0	0 0	0 0	0 0	0 0	0 0	165 0
500	559 0	552 0	556 0	552 0	320 0	320 0	2 0	0 0	0 0	0 0	460 0	0 0	0 0	0 0	0 0	0 0	0 0	170 0
600	552 0	552 0	556 0	552 0	320 0	320 0	-2 0	2 0	0 0	0 0	462 0	0 0	0 0	0 0	0 0	0 0	0 0	173 0
700	561 0	556 0	553 0	552 0	320 0	320 0	-4 0	-4 0	0 0	0 0	469 0	0 0	0 0	0 0	0 0	0 0	0 0	179 0
800	574 0	568 0	568 0	565 0	320 0	320 0	-4 0	-4 0	0 0	0 0	475 0	0 0	0 0	0 0	0 0	0 0	0 0	180 0
900	559 0	552 0	554 0	550 0	320 0	320 0	-5 0	-4 0	0 0	0 0	460 0	0 0	0 0	0 0	0 0	0 0	0 0	193 0
1000	542 0	541 0	543 0	538 0	320 0	320 0	-5 0	-4 0	0 0	0 0	457 0	0 0	0 0	0 0	0 0	0 0	0 0	135 0
1100	543 0	536 0	536 0	532 0	320 0	320 0	-5 0	-5 0	0 0	0 0	455 0	0 0	0 0	0 0	0 0	0 0	0 0	194 0
1200	553 0	543 0	545 0	540 0	320 0	320 0	-5 0	-5 0	0 0	0 0	460 0	0 0	0 0	0 0	0 0	0 0	0 0	196 0
1300	561 0	554 0	556 0	549 0	320 0	320 0	-5 0	-5 0	0 0	0 0	468 0	0 0	0 0	0 0	0 0	0 0	0 0	196 0
1400	574 0	570 0	571 0	565 0	320 0	320 0	-7 0	-5 0	0 0	0 0	468 0	0 0	0 0	0 0	0 0	0 0	0 0	196 0
1500	575 0	570 0	568 0	563 0	320 0	320 0	-7 0	-7 0	0 0	0 0	462 0	0 0	0 0	0 0	0 0	0 0	0 0	196 0
1600	583 0	576 0	577 0	572 0	320 0	320 0	-6 0	-5 0	0 0	0 0	469 0	0 0	0 0	0 0	0 0	0 0	0 0	196 0
1700	597 0	592 0	594 0	588 0	320 0	320 0	-4 0	-4 0	0 0	0 0	484 0	0 0	0 0	0 0	0 0	0 0	0 0	196 0
1800	482 0	482 0	488 0	475 0	320 0	320 0	-9 0	-9 0	0 0	0 0	423 0	0 0	0 0	0 0	0 0	0 0	0 0	196 0
1900	419 0	412 0	410 0	403 0	320 0	320 0	-9 0	-9 0	0 0	0 0	390 0	0 0	0 0	0 0	0 0	0 0	0 0	197 0
2000	401 0	394 0	392 0	388 0	320 0	320 0	-9 0	-7 0	0 0	0 0	372 0	0 0	0 0	0 0	0 0	0 0	0 0	197 0
2100	385 0	378 0	374 0	370 0	320 0	320 0	-11 0	-7 0	0 0	0 0	351 0	0 0	0 0	0 0	0 0	0 0	0 0	193 0
2200	363 0	356 0	352 0	347 0	320 0	320 0	-11 0	-9 0	0 0	0 0	340 0	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2300	352 0	345 0	340 0	336 0	320 0	320 0	-11 0	-9 0	0 0	0 0	334 0	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2400	354 0	347 0	342 0	338 0	320 0	320 0	-11 0	-9 0	0 0	0 0	333 0	0 0	0 0	0 0	0 0	0 0	0 0	198 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND DIR2 MIN	MAX	WIND DIR3 MIN 150A S	MAX	WIND DIR4 MIN 150B S	MAX	WIND DIR5 MIN S	MAX	WIND DIR6 MIN S	MAX
100	273 0	238 0	367 0	334 0	0 0	0 0	263 0	283	237	260 0	292	223	265 0	282	236	248 0	261	226	0 0	0	0	0	0
200	231 0	239 0	313 0	333 0	0 0	0 0	254 0	282	229	252 0	298	217	259 0	279	239	242 0	264	232	0 0	0	0	0	0
300	233 0	235 0	325 0	340 0	0 0	0 0	253 0	276	236	250 0	287	216	258 0	282	226	240 0	257	216	0 0	0	0	0	0
400	225 0	234 0	313 0	327 0	0 0	0 0	252 0	282	234	255 0	292	222	262 0	281	233	245 0	259	223	0 0	0	0	0	0
500	224 0	232 0	312 0	330 0	0 0	0 0	260 0	286	226	255 0	301	210	265 0	291	230	246 0	265	217	0 0	0	0	0	0
600	237 0	246 0	332 0	346 0	0 0	0 0	261 0	282	233	257 0	293	219	265 0	286	247	247 0	260	229	0 0	0	0	0	0
700	252 0	267 0	329 0	343 0	0 0	0 0	264 0	279	230	250 0	289	211	263 0	282	250	251 0	264	232	0 0	0	0	0	0
800	253 0	271 0	295 0	312 0	0 0	0 0	267 0	295	236	264 0	294	218	272 0	297	248	256 0	279	231	0 0	0	0	0	0
900	226 0	228 0	305 0	321 0	0 0	0 0	257 0	280	227	255 0	289	211	261 0	292	234	243 0	260	225	0 0	0	0	0	0
1000	193 0	195 0	276 0	290 0	0 0	0 0	254 0	283	217	250 0	285	206	261 0	276	244	244 0	257	225	0 0	0	0	0	0
1100	199 0	189 0	274 0	290 0	0 0	0 0	257 0	279	234	255 0	297	217	261 0	279	235	244 0	261	219	0 0	0	0	0	0
1200	213 0	218 0	271 0	286 0	0 0	0 0	263 0	289	233	261 0	305	225	266 0	289	227	249 0	270	211	0 0	0	0	0	0
1300	229 0	235 0	289 0	307 0	0 0	0 0	262 0	286	229	258 0	322	214	265 0	289	243	248 0	261	197	0 0	0	0	0	0
1400	257 0	254 0	298 0	305 0	0 0	0 0	269 0	287	254	266 0	286	239	276 0	290	254	258 0	282	243	0 0	0	0	0	0
1500	234 0	245 0	282 0	297 0	0 0	0 0	266 0	283	246	262 0	307	233	270 0	281	250	253 0	265	237	0 0	0	0	0	0
1600	208 0	213 0	254 0	267 0	0 0	0 0	264 0	280	229	260 0	282	221	267 0	283	247	250 0	260	216	0 0	0	0	0	0
1700	217 0	233 0	267 0	271 0	0 0	0 0	265 0	283	227	263 0	283	224	270 0	286	248	254 0	274	224	0 0	0	0	0	0
1800	197 0	205 0	239 0	253 0	0 0	0 0	263 0	282	232	260 0	287	226	269 0	297	250	250 0	274	212	0 0	0	0	0	0
1900	193 0	196 0	238 0	253 0	0 0	0 0	264 0	291	247	265 0	295	227	271 0	293	242	253 0	276	223	0 0	0	0	0	0
2000	212 0	223 0	249 0	260 0	0 0	0 0	266 0	282	232	261 0	285	208	271 0	304	244	254 0	281	224	0 0	0	0	0	0
2100	187 0	193 0	230 0	240 0	0 0	0 0	266 0	290	228	263 0	297	204	269 0	287	227	252 0	275	232	0 0	0	0	0	0
2200	163 0	174 0	216 0	226 0	0 0	0 0	262 0	284	235	260 0	298	230	265 0	286	237	248 0	265	218	0 0	0	0	0	0
2300	101 0	101 0	133 0	134 0	0 0	0 0	239 0	298	202	238 0	320	186	234 0	266	191	215 0	254	65	0 0	0	0	0	0
2400	91 0	80 0	137 0	135 0	0 0	0 0	220 0	262	133	221 0	266	176	225 0	247	209	210 0	226	190	0 0	0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	333 0	331 0	327 0	322 0	329 0	320 0	-13 0	-9 0	0 0	0 0	327 0	0 0	0 0	0 0	0 0	0 0	0 0	198 0
200	334 0	329 0	324 0	322 0	328 0	320 0	-11 0	-9 0	0 0	0 0	324 0	0 0	0 0	0 0	0 0	0 0	0 0	198 0
300	327 0	320 0	314 0	316 0	329 0	320 0	-11 0	-9 0	0 0	0 0	320 0	0 0	0 0	0 0	0 0	0 0	0 0	198 0
400	327 0	320 0	316 0	312 0	329 0	320 0	-11 0	-9 0	0 0	0 0	315 0	0 0	0 0	0 0	0 0	0 0	0 0	198 0
500	317 0	308 0	305 0	301 0	329 0	320 0	-11 0	-9 0	0 0	0 0	308 0	0 0	0 0	0 0	0 0	0 0	0 0	198 0
600	314 0	308 0	305 0	299 0	329 0	320 0	-11 0	-9 0	0 0	0 0	305 0	0 0	0 0	0 0	0 0	0 0	0 0	198 0
700	314 0	306 0	299 0	296 0	329 0	320 0	-13 1	-11 0	0 0	0 0	309 0	0 0	0 0	0 0	0 0	0 0	0 0	198 0
800	303 0	296 0	293 0	285 0	328 0	320 0	-13 0	-9 0	0 0	0 0	383 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
900	288 0	283 0	278 0	272 0	329 1	320 0	-13 0	-9 0	0 0	0 0	394 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1000	294 0	287 0	281 0	278 0	329 0	320 0	-13 0	-11 0	0 0	0 0	385 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1100	301 0	294 0	288 0	285 0	329 0	320 0	-13 0	-9 0	0 0	0 0	390 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1200	305 0	299 0	294 0	290 0	329 0	320 0	-11 0	-9 0	0 0	0 0	399 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1300	297 0	292 0	286 0	281 0	329 0	320 0	-13 0	-11 0	0 0	0 0	394 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1400	305 0	297 0	292 0	287 0	329 0	320 0	-13 0	-11 0	0 0	0 0	383 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1500	303 0	301 0	295 0	292 0	329 0	320 0	-11 0	-9 0	0 0	0 0	403 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1600	314 0	306 0	303 0	297 0	329 0	320 0	-11 0	-9 0	0 0	0 0	405 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1700	322 0	313 0	308 0	301 0	329 0	320 0	-11 0	-9 0	0 0	0 0	424 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1800	322 0	314 0	308 0	305 0	329 0	320 0	-11 0	-9 0	0 0	0 0	432 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1900	324 0	315 0	312 0	306 0	329 0	320 0	-11 1	-9 0	0 0	0 0	340 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2000	325 0	317 0	314 0	308 0	329 0	320 0	-11 0	-9 0	0 0	0 0	343 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2100	322 0	314 0	313 0	305 0	329 0	320 0	-11 0	-9 0	0 0	0 0	532 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2200	322 0	314 0	313 0	305 0	329 0	320 0	-11 0	-7 0	0 0	0 0	432 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2300	313 0	303 0	297 0	296 0	329 0	320 0	-11 0	-7 0	0 0	0 0	556 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2400	297 0	290 0	288 0	285 0	329 0	320 0	-7 0	-5 0	0 0	0 0	423 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 50 A S	WIND DIR2 MIN 50 B S	WIND DIR2 MAX 50 B S	WIND DIR3 MIN 150A S	WIND DIR3 MAX 150A S	WIND DIR4 MIN 150B S	WIND DIR4 MAX 150B S	WIND DIR5 MIN S	WIND DIR5 MAX S	WIND DIR6 MIN S	WIND DIR6 MAX S
100	76 1	63 0	116 0	104 0	0 0	0 0	213 1	243 176	208 0	269 134	216 0	243 193	201 0	220 176	0 0	0 0	0 0
200	54 0	47 0	97 1	96 0	0 0	0 0	205 1	254 151	204 0	260 114	203 0	232 181	193 0	213 172	0 0	0 0	0 0
300	73 1	61 0	113 1	117 0	0 0	0 0	207 1	247 148	206 0	269 152	213 0	235 186	198 0	218 162	0 0	0 0	0 0
400	205 0	216 0	236 0	248 0	0 0	0 0	269 1	288 249	265 0	294 238	271 0	289 242	253 0	264 236	0 0	0 0	0 0
500	185 0	138 0	207 0	215 0	0 0	0 0	273 0	303 247	265 0	311 230	282 0	313 259	262 0	293 231	0 0	0 0	0 0
600	153 0	155 0	177 0	183 0	0 0	0 0	280 0	314 240	277 0	323 222	287 0	331 236	269 0	316 228	0 0	0 0	0 0
700	171 0	176 0	205 0	215 0	0 0	0 0	274 0	317 252	269 0	313 232	285 0	318 259	266 0	299 242	0 0	0 0	0 0
800	172 0	176 0	193 0	201 0	0 0	0 0	275 0	304 247	272 0	318 235	285 0	327 246	265 0	321 230	0 0	0 0	0 0
900	197 0	199 0	225 0	237 0	0 0	0 0	272 0	301 245	267 0	299 231	281 0	311 238	261 0	291 231	0 0	0 0	0 0
1000	192 0	231 0	217 0	225 0	0 0	0 0	269 0	288 240	265 0	293 229	275 0	304 260	257 0	291 235	0 0	0 0	0 0
1100	195 0	204 0	244 0	255 0	0 0	0 0	265 0	286 243	262 0	298 225	267 0	287 243	251 0	260 237	0 0	0 0	0 0
1200	211 0	217 0	235 0	244 0	0 0	0 0	269 0	286 249	265 0	293 234	273 0	287 254	255 0	267 243	0 0	0 0	0 0
1300	206 0	215 0	245 0	259 0	0 0	0 0	265 0	281 249	262 0	287 227	269 0	282 252	253 0	265 238	0 0	0 0	0 0
1400	233 0	241 0	255 0	268 0	0 0	0 0	269 0	292 247	266 0	298 222	275 0	289 250	257 0	278 236	0 0	0 0	0 0
1500	161 0	162 0	213 0	223 0	0 0	0 0	256 0	286 226	253 0	312 209	263 0	283 244	246 0	275 220	0 0	0 0	0 0
1600	160 0	166 0	202 0	214 0	0 0	0 0	249 0	267 216	247 0	279 212	251 0	263 229	234 0	245 214	0 0	0 0	0 0
1700	100 0	102 0	140 0	142 0	0 0	0 0	241 0	278 203	238 0	277 189	237 0	265 197	219 0	245 182	0 0	0 0	0 0
1800	82 0	76 0	123 0	124 0	0 0	0 0	225 0	254 187	224 0	263 179	225 0	248 207	209 0	228 192	0 0	0 0	0 0
1900	111 0	109 0	171 0	176 0	0 0	0 0	233 0	257 208	229 0	269 190	233 0	254 212	218 0	236 198	0 0	0 0	0 0
2000	85 0	83 0	131 0	136 0	0 0	0 0	231 0	276 185	230 0	289 202	234 0	255 216	217 0	234 198	0 0	0 0	0 0
2100	105 0	102 0	154 0	167 0	0 0	0 0	232 0	266 207	229 0	263 199	237 0	262 220	220 0	248 199	0 0	0 0	0 0
2200	75 0	69 0	117 0	123 0	0 0	0 0	223 0	237 205	222 0	244 186	233 0	248 215	216 0	228 201	0 0	0 0	0 0
2300	55 0	54 0	115 0	97 0	0 0	0 0	173 0	203 150	174 0	227 138	202 0	216 184	187 0	199 171	0 0	0 0	0 0
2400	71 0	60 0	151 0	119 0	0 0	0 0	196 0	214 158	195 0	221 155	216 0	225 201	202 0	212 190	0 0	0 0	0 0

	AMB. TEMP1 30 A S	AMB. TEMP2 30 B S	AMB. TEMP3 140A S	AMB. TEMP4 140B S	AMB. TEMP5 S	AMB. TEMP6 S	D.T. 1 140A S	D.T. 2 140B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	292 0	285 0	287 0	291 0	320 0	320 0	-5 0	-4 0	0 0	0 0	432 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
200	285 0	279 0	279 0	274 0	320 0	320 0	-5 0	-4 0	0 0	0 0	396 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
300	290 0	283 0	287 0	293 0	320 0	320 0	-4 0	0 0	0 0	0 0	345 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
400	343 0	336 0	333 0	329 0	320 0	320 0	-11 0	-9 0	0 0	0 0	493 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
500	335 0	329 0	325 0	322 0	320 0	320 0	-9 0	-7 0	0 0	0 0	381 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
600	331 0	325 0	322 0	317 0	320 0	320 0	-9 0	-7 0	0 0	0 0	394 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
700	320 0	312 0	308 0	305 0	320 0	320 0	-9 0	-7 0	0 0	0 0	487 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
800	319 0	313 0	305 0	301 0	320 0	320 0	-9 0	-7 0	0 0	0 0	379 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
900	327 0	320 0	315 0	310 0	320 0	320 0	-11 0	-9 0	0 0	0 0	412 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1000	331 0	324 0	320 0	314 0	320 0	320 0	-11 0	-9 0	0 0	0 0	441 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1100	331 0	325 0	320 0	315 0	320 0	320 0	-13 0	-11 0	0 0	0 0	405 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1200	334 0	329 0	324 0	320 0	320 0	320 0	-11 0	-9 0	0 0	0 0	468 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1300	352 0	345 0	338 0	334 0	320 0	320 0	-14 0	-11 0	0 0	0 0	397 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1400	361 0	354 0	344 0	338 0	320 0	320 0	-15 0	-11 0	0 0	0 0	331 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1500	378 0	370 0	360 0	356 0	320 0	320 0	-15 0	-14 0	0 0	0 0	381 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1600	379 0	374 0	367 0	363 0	320 0	320 0	-13 0	-11 0	0 0	0 0	361 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1700	387 0	381 0	379 0	374 0	320 0	320 0	-9 0	-7 0	0 0	0 0	331 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1800	378 0	367 0	372 0	362 0	320 0	320 0	0 0	2 0	0 0	0 0	405 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
1900	374 0	367 0	374 0	369 0	320 0	320 0	0 0	2 0	0 0	0 0	390 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2000	362 0	353 0	367 0	363 0	320 0	320 0	2 0	0 0	0 0	0 0	367 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2100	381 0	376 0	365 0	379 0	320 0	320 0	4 0	5 0	0 0	0 0	378 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2200	385 0	379 0	392 0	387 0	320 0	320 0	7 0	9 0	0 0	0 0	378 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2300	355 0	349 0	348 0	383 0	320 0	320 0	32 0	34 0	0 0	0 0	370 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
2400	367 0	360 0	394 0	388 0	320 0	320 0	27 0	31 0	0 0	0 0	379 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 C	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	81	0	83	0	134	0	143	0	0	0	0	0	234	1	261	214	232	0	263	202	241	0	256	226	223	0	237	199	0	0	0	0	0	0
200	81	0	76	0	133	0	140	0	0	0	0	0	227	0	248	190	225	0	256	193	232	0	246	201	215	0	227	139	0	0	0	0	0	0
300	83	0	78	0	133	0	141	0	0	0	0	0	224	1	244	189	223	0	253	179	231	0	241	219	214	0	223	197	0	0	0	0	0	0
400	58	0	57	0	101	0	105	0	0	0	0	0	231	0	284	193	231	0	310	196	233	0	259	202	217	0	245	190	0	0	0	0	0	0
500	100	0	108	0	136	0	147	0	0	0	0	0	245	0	261	222	245	0	293	210	250	0	262	235	232	0	244	213	0	0	0	0	0	0
600	81	0	83	0	117	0	128	0	0	0	0	0	233	1	266	207	233	0	262	193	244	0	264	225	227	0	243	203	0	0	0	0	0	0
700	84	0	84	0	126	0	132	0	0	0	0	0	234	1	263	202	232	0	260	196	241	0	260	217	224	0	243	203	0	0	0	0	0	0
800	101	0	102	0	139	0	146	0	0	0	0	0	241	1	266	201	237	0	265	179	247	0	280	213	230	0	257	212	0	0	0	0	0	0
900	89	0	92	0	118	0	126	0	0	0	0	0	241	0	261	214	238	0	269	193	245	0	274	223	227	0	249	206	0	0	0	0	0	0
1000	136	0	139	0	173	0	179	0	0	0	0	0	247	1	270	220	245	0	281	215	251	0	263	226	234	0	254	213	0	0	0	0	0	0
1100	117	0	123	0	146	0	154	0	0	0	0	0	247	1	275	226	245	0	273	210	250	0	263	238	233	0	244	220	0	0	0	0	0	0
1200	107	0	112	0	112	0	120	0	0	0	0	0	249	0	270	223	247	0	276	202	247	0	264	225	231	0	244	211	0	0	0	0	0	0
1300	77	0	83	0	96	0	106	0	0	0	0	0	252	1	285	224	249	0	281	209	259	1	276	236	242	0	267	210	0	0	0	0	0	0
1400	79	0	80	0	95	0	100	0	0	0	0	0	236	0	263	193	236	0	283	203	243	0	273	215	226	0	254	202	0	0	0	0	0	0
1500	40	0	42	0	54	0	58	0	0	0	0	0	249	0	285	218	248	0	294	130	257	0	275	209	241	0	269	199	0	0	0	0	0	0
1600	54	0	56	0	77	0	77	0	0	0	0	0	352	0	17	313	345	0	6	310	344	0	355	333	321	0	335	309	0	0	0	0	0	0
1700	95	0	95	0	122	0	119	0	0	0	0	0	27	1	56	7	22	0	61	356	22	0	45	0	4	0	118	326	0	0	0	0	0	0
1800	76	0	94	0	93	0	106	0	0	0	0	0	54	1	79	32	50	0	82	23	54	0	79	34	34	0	59	5	0	0	0	0	0	0
1900	81	0	90	0	109	0	117	0	0	0	0	0	52	1	79	30	46	0	90	14	49	0	70	27	29	0	53	11	0	0	0	0	0	0
2000	90	0	100	0	105	0	122	0	0	0	0	0	72	0	92	46	70	0	97	45	72	0	90	52	53	0	78	38	0	0	0	0	0	0
2100	71	0	84	0	91	0	107	0	0	0	0	0	68	0	97	46	66	0	110	35	71	0	93	52	53	0	72	37	0	0	0	0	0	0
2200	82	0	90	0	103	0	114	0	0	0	0	0	75	0	95	49	70	0	105	25	72	0	97	41	54	0	81	20	0	0	0	0	0	0
2300	76	0	84	0	94	0	104	0	0	0	0	0	76	0	107	52	75	0	103	46	79	0	97	62	61	0	85	45	0	0	0	0	0	0
2400	90	0	92	0	115	0	116	0	0	0	0	0	83	1	109	60	81	0	114	57	85	0	102	66	67	0	92	43	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	O.T. 1	130A	S	O.T. 2	180B	S	O.T. 3	S	O.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	397	0	392	0	412	0	408	0	329	0	320	0	13	0		14	0		0	0	0	0	381	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
200	403	0	403	0	417	0	414	0	329	0	320	0	9	0		11	0		0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
300	410	0	405	0	419	0	415	0	329	0	320	0	9	0		11	0		0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
400	419	0	414	0	415	0	412	0	329	0	320	0	-2	0		0	0		0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
500	432	0	426	0	428	0	424	0	329	0	320	0	-2	0		0	0		0	0	0	0	401	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
600	433	0	426	0	430	0	424	0	329	0	320	0	-4	0		-2	0		0	0	0	0	745	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
700	421	0	414	0	419	0	414	0	329	0	320	0	2	0		0	0		0	0	0	0	720	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
800	421	0	414	0	415	0	412	0	329	0	320	0	-4	0		-2	0		0	0	0	0	676	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
900	414	0	408	0	410	0	405	0	329	0	320	0	-4	0		-2	0		0	0	0	0	669	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
1000	432	0	426	0	421	0	417	0	329	0	320	0	-11	0		-9	0		0	0	0	0	675	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
1100	439	0	432	0	429	0	421	0	329	0	320	0	-15	0		-11	0		0	0	0	0	673	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
1200	444	0	437	0	433	0	428	0	329	0	320	0	-11	0		-9	0		0	0	0	0	671	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
1300	469	0	460	0	444	0	441	0	329	0	320	0	-22	0		-18	0		0	0	0	0	669	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
1400	468	0	462	0	451	0	446	0	329	0	320	0	-14	0		-13	0		0	0	0	0	653	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
1500	477	0	471	0	464	0	459	0	329	0	320	0	-13	0		-11	0		0	0	0	0	653	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
1600	457	0	448	0	451	0	446	0	329	0	320	0	-5	0		-4	0		0	0	0	0	649	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
1700	439	0	432	0	428	0	424	0	329	0	320	0	-11	0		-9	0		0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
1800	423	0	421	0	421	0	415	0	329	0	320	0	-7	0		-5	0		0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
1900	426	0	421	0	417	0	414	0	329	1	320	0	-9	0		-7	0		0	0	0	0	381	2	0	0	0	0	0	0	0	0	0	0	0	1	198	0
2000	424	0	419	0	415	0	412	0	329	0	320	0	-9	0		-7	0		0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
2100	412	0	405	0	403	0	397	0	329	0	320	0	-9	0		-7	0		0	0	0	0	359	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
2200	412	0	405	0	403	0	397	0	329	0	320	0	-9	0		-7	0		0	0	0	0	359	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
2300	408	0	403	0	399	0	394	0	329	0	320	0	-9	0		-7	0		0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
2400	401	0	394	0	390	0	387	0	329	0	320	0	-9	0		-7	0		0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1	WIND SPD2	WIND SPD3	WIND SPD4	WIND SPD5	WIND SPD6	WIND DIR1	WIND DIR2 MIN	WIND DIR2 MAX	WIND DIR3 MIN	WIND DIR3 MAX	WIND DIR4 MIN	WIND DIR4 MAX	WIND DIR5 MIN	WIND DIR5 MAX	WIND DIR6 MIN	WIND DIR6 MAX
	30 A S	30 B S	150A S	150B S	S	S	30 A S	30 B S	S	150A S	S	150B S	S	S	S	S	S
100	93 0	97 0	125 0	127 0	0 0	0 0	82 0	111 67	37 0	131 58	93 0	117 74	77 0	100 59	0 0	0 0	0 0
200	86 0	87 0	112 0	112 0	0 0	0 0	83 0	109 70	88 0	114 61	89 0	109 69	71 0	94 54	0 0	0 0	0 0
300	103 0	106 0	127 0	127 0	0 0	0 0	83 0	103 58	81 0	114 43	81 0	105 67	64 0	95 49	0 0	0 0	0 0
400	100 0	106 0	119 0	127 0	0 0	0 0	79 0	101 63	79 0	107 53	81 0	94 63	63 0	82 43	0 0	0 0	0 0
500	100 0	108 0	124 0	125 0	0 0	0 0	83 0	111 69	38 0	117 62	90 0	114 66	73 0	105 51	0 0	0 0	0 0
600	95 0	104 0	119 0	120 0	0 0	0 0	76 0	90 57	73 0	94 42	79 0	109 55	60 0	81 39	0 0	0 0	0 0
700	113 0	122 0	146 0	154 0	0 0	0 0	80 0	92 59	79 0	113 57	79 0	98 58	61 0	82 42	0 0	0 0	0 0
800	151 0	149 0	204 0	202 0	0 0	0 0	93 0	121 70	91 0	130 55	95 0	125 77	79 0	98 59	0 0	0 0	0 0
900	167 0	166 0	215 0	220 0	0 0	0 0	94 0	129 78	99 0	139 67	101 0	120 79	86 0	103 66	0 0	0 0	0 0
1000	165 0	159 0	219 0	221 0	0 0	0 0	109 0	122 77	106 0	132 67	105 0	123 81	90 0	111 65	0 0	0 0	0 0
1100	154 0	153 0	193 0	194 0	0 0	0 0	113 0	129 98	114 0	137 85	114 0	127 93	100 0	110 88	0 0	0 0	0 0
1200	156 0	154 0	190 0	194 0	0 0	0 0	114 0	130 92	116 0	146 74	116 0	131 109	102 0	116 77	0 0	0 0	0 0
1300	151 0	149 0	184 0	190 0	0 0	0 0	112 0	135 94	114 0	143 90	114 0	129 95	100 0	119 88	0 0	0 0	0 0
1400	143 0	140 0	173 0	179 0	0 0	0 0	111 0	125 90	112 0	139 84	113 0	141 91	98 0	127 72	0 0	0 0	0 0
1500	135 0	134 0	167 0	165 0	0 0	0 0	102 0	125 81	104 0	148 73	105 0	126 81	91 0	119 73	0 0	0 0	0 0
1600	147 0	148 0	185 0	188 0	0 0	0 0	117 0	131 91	119 0	143 88	116 0	136 90	101 0	120 83	0 0	0 0	0 0
1700	159 0	146 0	193 0	198 0	0 0	0 0	92 0	111 76	92 0	129 66	93 0	108 77	78 0	94 61	0 0	0 0	0 0
1800	183 0	181 0	243 0	243 0	0 0	0 0	96 0	129 73	96 0	141 67	98 0	124 89	92 0	106 66	0 0	0 0	0 0
1900	203 0	201 0	271 0	271 0	0 0	0 0	95 0	118 72	96 0	132 52	99 0	117 79	93 0	113 63	0 0	0 0	0 0
2000	201 0	204 0	269 0	268 0	0 0	0 0	97 0	123 77	96 0	129 64	99 0	119 79	85 0	105 56	0 0	0 0	0 0
2100	223 0	222 0	305 0	305 0	0 0	0 0	93 0	121 80	99 0	130 67	102 0	129 89	87 0	108 72	0 0	0 0	0 0
2200	253 0	248 0	333 0	332 0	0 0	0 0	106 0	124 74	109 0	140 79	107 0	122 80	94 0	116 80	0 0	0 0	0 0
2300	269 0	279 0	361 0	359 0	0 0	0 0	103 0	130 89	111 0	143 69	103 0	128 87	95 0	121 73	0 0	0 0	0 0
2400	279 0	270 0	350 0	351 0	0 0	0 0	109 0	128 91	111 0	146 85	111 0	126 92	98 0	119 79	0 0	0 0	0 0

	AMB. TEMP1	AMB. TEMP2	AMB. TEMP3	AMB. TEMP4	AMB. TEMP5	AMB. TEMP6	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN
	30 A S	30 B S	150A S	150B S	S	S	150A S	150B S	S	S	S	S	S	S	S	S	S	S
100	392 0	394 0	392 0	387 0	320 0	320 0	-9 0	-7 0	0 0	0 0	358 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
200	401 0	399 0	398 0	397 0	329 0	329 0	-9 0	-7 0	0 0	0 0	360 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
300	384 0	381 0	378 0	374 0	320 0	320 0	-9 0	-7 0	0 0	0 0	345 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
400	383 0	378 0	374 0	369 0	320 0	320 0	-9 0	-7 0	0 0	0 0	359 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
500	381 0	376 0	372 0	367 0	320 0	320 0	-9 0	-7 0	0 0	0 0	574 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
600	374 0	372 0	367 0	363 0	320 0	320 0	-9 0	-7 0	0 0	0 0	556 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
700	367 0	360 0	356 0	352 0	320 0	320 0	-9 0	-7 0	0 0	0 0	534 2	0 0	0 0	0 0	0 0	0 0	0 0	198 0
800	352 0	345 0	345 0	342 0	320 0	320 0	-7 0	-5 0	0 0	0 0	493 2	0 0	0 0	0 0	0 0	0 0	0 0	201 0
900	351 0	343 0	343 0	338 0	320 0	320 0	-7 0	-5 0	0 0	0 0	491 2	0 0	0 0	0 0	0 0	0 0	0 0	202 0
1000	352 0	345 0	343 0	340 0	320 0	320 0	-7 0	-5 0	0 0	0 0	489 2	0 0	0 0	0 0	0 0	0 0	0 0	203 0
1100	361 0	354 0	351 0	345 0	320 0	320 0	-9 0	-7 0	0 0	0 0	487 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
1200	370 0	365 0	361 0	356 0	320 0	320 0	-9 0	-7 0	0 0	0 0	478 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
1300	379 0	372 0	369 0	365 0	320 0	320 0	-9 0	-7 0	0 0	0 0	453 2	0 0	0 0	0 0	0 0	0 0	0 0	205 0
1400	387 0	379 0	374 0	372 0	320 0	320 0	-9 0	-7 0	0 0	0 0	457 2	0 0	0 0	0 0	0 0	0 0	0 0	205 0
1500	393 0	385 0	381 0	378 0	320 0	320 0	-7 0	-7 0	0 0	0 0	457 2	0 0	0 0	0 0	0 0	0 0	0 0	206 0
1600	392 0	385 0	383 0	378 0	320 0	320 0	-9 0	-7 0	0 0	0 0	392 2	0 0	0 0	0 0	0 0	0 0	0 0	206 0
1700	385 0	379 0	378 0	374 0	320 0	320 0	-7 0	-5 0	0 0	0 0	387 2	0 0	0 0	0 0	0 0	0 0	0 0	212 0
1800	376 0	369 0	367 0	363 0	320 0	320 0	-7 0	-5 0	0 0	0 0	383 2	0 0	0 0	0 0	0 0	0 0	0 0	221 0
1900	367 0	361 0	361 0	356 0	320 0	320 0	-7 0	-5 0	0 0	0 0	379 2	0 0	0 0	0 0	0 0	0 0	0 0	225 0
2000	363 0	356 0	356 0	352 0	320 0	320 0	-7 0	-5 0	0 0	0 0	378 2	0 0	0 0	0 0	0 0	0 0	0 0	238 0
2100	360 0	352 0	352 0	347 0	320 0	320 0	-7 0	-5 0	0 0	0 0	378 2	0 0	0 0	0 0	0 0	0 0	0 0	3 6
2200	365 0	358 0	358 0	354 0	320 0	320 0	-7 0	-5 0	0 0	0 0	376 2	0 0	0 0	0 0	0 0	0 0	0 0	4 0
2300	367 0	360 0	360 0	354 0	320 0	320 0	-7 0	-5 0	0 0	0 0	376 2	0 0	0 0	0 0	0 0	0 0	0 0	9 9
2400	362 0	353 0	353 0	348 0	320 0	320 0	-7 0	-4 0	0 0	0 0	376 2	0 0	0 0	0 0	0 0	0 0	0 0	10 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	284	0	276	0	343	0	342	0	0	0	0	0	114	0	130	100	117	0	140	90	117	0	137	97	104	0	121	77	0	0	0	0	0	0
200	266	0	259	0	332	0	336	0	0	0	0	0	114	0	129	93	115	0	145	87	116	0	139	101	103	0	120	97	0	0	0	0	0	0
300	236	0	236	0	295	0	298	0	0	0	0	0	113	0	126	99	115	0	140	89	115	0	134	100	103	0	122	79	0	0	0	0	0	0
400	222	0	228	0	266	0	278	0	0	0	0	0	121	0	135	106	124	0	142	96	127	0	146	103	113	0	129	98	0	0	0	0	0	0
500	192	0	196	0	239	0	246	0	0	0	0	0	121	0	132	107	123	0	143	82	125	0	141	111	112	0	141	98	0	0	0	0	0	0
600	172	0	173	0	203	0	217	0	0	0	0	0	123	0	139	110	123	0	143	96	127	0	147	113	114	0	128	95	0	0	0	0	0	0
700	127	0	135	0	164	0	176	0	0	0	0	0	124	0	136	103	130	0	145	105	133	0	149	117	121	0	139	101	0	0	0	0	0	0
800	95	0	104	0	141	0	145	0	0	0	0	0	131	0	151	116	136	0	172	116	143	0	159	125	130	0	151	114	0	0	0	0	0	0
900	77	0	87	0	133	0	134	0	0	0	0	0	149	0	194	120	151	0	197	117	166	0	196	136	153	0	175	125	0	0	0	0	0	0
1000	54	0	53	0	101	0	89	0	0	0	0	0	167	0	229	99	172	0	258	90	181	0	226	138	169	0	208	135	0	0	0	0	0	0
1100	123	0	135	0	191	0	151	0	0	0	0	0	200	0	262	124	201	0	269	124	204	0	241	162	190	0	221	164	0	0	0	0	0	0
1200	121	0	110	0	177	0	158	0	0	0	0	0	220	0	262	150	218	0	269	139	215	0	246	174	202	0	234	164	0	0	0	0	0	0
1300	180	0	167	0	237	0	236	0	0	0	0	0	231	0	267	206	231	0	293	181	230	0	262	204	215	0	242	177	0	0	0	0	0	0
1400	223	0	219	0	308	0	325	0	0	0	0	0	242	0	266	208	240	0	294	194	244	0	263	213	227	0	246	136	0	0	0	0	0	0
1500	173	0	173	0	226	0	239	0	0	0	0	0	234	0	265	191	233	0	268	169	239	0	281	198	223	0	265	197	0	0	0	0	0	0
1600	198	0	198	0	266	0	275	0	0	0	0	0	233	0	264	177	235	0	302	180	231	0	266	204	216	0	243	139	0	0	0	0	0	0
1700	194	0	152	0	261	0	266	0	0	0	0	0	233	0	259	187	231	0	280	189	234	0	259	206	217	0	243	187	0	0	0	0	0	0
1800	142	0	131	0	193	0	187	0	0	0	0	0	223	0	256	160	222	0	263	154	223	0	281	187	209	0	250	179	0	0	0	0	0	0
1900	124	0	112	0	175	0	164	0	0	0	0	0	219	0	265	125	217	0	260	132	220	0	249	175	204	0	236	168	0	0	0	0	0	0
2000	103	0	92	0	144	0	134	0	0	0	0	0	225	0	279	192	225	0	272	180	219	0	249	180	203	0	237	170	0	0	0	0	0	0
2100	83	0	75	0	144	0	123	0	0	0	0	0	209	0	268	146	209	0	269	112	204	0	238	153	190	0	216	140	0	0	0	0	0	0
2200	147	0	126	0	220	0	195	0	0	0	0	0	215	0	257	175	212	0	258	161	213	0	242	185	198	0	218	170	0	0	0	0	0	0
2300	159	0	147	0	243	0	231	0	0	0	0	0	220	0	257	178	219	0	259	171	221	0	246	193	206	0	237	130	0	0	0	0	0	0
2400	225	0	218	0	302	0	311	0	0	0	0	0	239	0	271	205	236	0	273	195	240	0	266	213	222	0	244	182	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 190A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	372	0	367	0	365	0	360	0	320	0	320	0	-7	0	-5	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	10	0
200	379	0	374	0	372	0	369	0	320	0	320	0	-7	0	-5	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	11	0
300	388	0	381	0	381	0	378	0	320	0	320	0	-7	0	-5	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	11	0
400	396	0	398	0	389	0	383	0	320	0	320	0	-7	0	-5	0	0	0	0	0	448	2	0	0	0	0	0	0	0	0	0	0	0	0	11	0
500	396	0	390	0	388	0	383	0	320	0	320	0	-7	0	-5	0	0	0	0	0	451	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
600	405	0	397	0	397	0	392	0	320	0	320	0	-7	0	-5	0	0	0	0	0	448	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
700	414	0	408	0	403	0	403	0	320	0	320	0	-7	0	-4	0	0	0	0	0	451	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
800	423	0	423	0	423	0	419	0	320	0	320	0	-5	0	-4	0	0	0	0	0	457	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
900	444	0	439	0	441	0	435	0	320	0	320	0	-5	0	-4	0	0	0	0	0	430	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
1000	462	0	457	0	460	0	450	0	320	0	320	0	-7	0	-5	0	0	0	0	0	433	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
1100	462	0	477	0	477	0	469	0	320	0	320	0	-9	0	-9	0	0	0	0	0	412	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
1200	478	0	473	0	471	0	466	0	320	0	320	0	-9	0	-7	0	0	0	0	0	410	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
1300	421	0	414	0	417	0	405	0	320	0	320	0	-11	0	-9	0	0	0	0	0	514	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
1400	379	0	372	0	367	0	365	0	320	0	320	0	-11	0	-9	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
1500	352	0	345	0	349	0	340	0	320	0	320	0	-11	0	-7	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
1600	365	0	358	0	359	0	351	0	320	0	320	0	-11	0	-9	0	0	0	0	0	563	2	0	0	0	0	0	0	0	0	0	0	0	0	13	6
1700	356	0	349	0	347	0	343	0	320	0	320	0	-7	0	-5	0	0	0	0	0	522	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
1800	345	0	338	0	336	0	333	0	320	0	320	0	-9	0	-7	0	0	0	0	0	412	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
1900	329	0	322	0	322	0	314	0	320	0	320	0	-9	0	-7	0	0	0	0	0	426	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
2000	314	0	306	0	305	0	301	0	320	0	320	0	-9	0	-7	0	0	0	0	0	423	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
2100	319	0	311	0	301	0	297	0	320	0	320	0	-7	0	-5	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
2200	305	0	297	0	293	0	294	0	320	0	320	0	-7	0	-4	0	0	0	0	0	426	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
2300	308	0	299	0	301	0	297	0	320	0	320	0	-5	0	-4	0	0	0	0	0	154	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0
2400	333	0	325	0	324	0	320	0	320	0	320	0	-7	0	-5	0	0	0	0	0	438	2	0	0	0	0	0	0	0	0	0	0	0	0	13	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND DIR2 MIN	MAX	50 A S	WIND DIR3 MIN	MAX	150A S	WIND DIR4 MIN	MAX	150B S	WIND DIR5 MIN	MAX	S	WIND DIR6 MIN	MAX	S
100	257 0	263 0	343 0	355 0	0 0	0 0	243 0	267	210	240 0	288	198	245 0	268	213	226 0	272	196	0 0	0	0	0
200	256 0	269 0	337 0	355 0	0 0	0 0	243 0	266	218	242 0	272	201	246 0	280	215	227 0	247	202	0 0	0	0	0
300	183 3	178 0	273 0	296 0	0 0	0 0	237 0	264	202	235 0	276	196	237 0	274	188	221 0	243	185	0 0	0	0	0
400	250 0	249 0	331 0	351 0	0 0	0 0	244 0	267	206	244 0	273	204	247 0	277	202	229 0	259	186	0 0	0	0	0
500	204 3	236 0	313 0	337 0	0 0	0 0	239 0	263	194	239 0	283	198	241 0	259	216	225 0	246	196	0 0	0	0	0
600	210 0	297 0	291 0	306 0	0 0	0 0	241 0	266	207	241 0	273	192	244 0	266	215	227 0	258	200	0 0	0	0	0
700	247 0	259 0	336 0	355 0	0 0	0 0	245 0	272	211	244 0	302	195	249 0	269	320	231 0	260	203	0 0	0	0	0
800	256 0	263 0	359 0	372 0	0 0	0 0	249 0	272	227	248 0	283	211	253 0	275	216	236 0	273	196	0 0	0	0	0
900	273 0	275 0	395 0	403 0	0 0	0 0	254 0	277	232	252 0	288	217	258 0	281	233	241 0	261	217	0 0	0	0	0
1000	299 0	291 0	413 0	430 0	0 0	0 0	250 0	276	232	249 0	298	215	256 0	267	246	238 0	254	222	0 0	0	0	0
1100	297 0	300 0	405 0	424 0	1 0	0 0	247 0	271	206	245 0	279	187	251 0	273	221	234 0	248	206	0 0	0	0	0
1200	312 0	323 0	413 0	439 0	0 0	0 0	256 0	278	237	254 0	284	227	261 0	279	237	243 0	258	221	0 0	0	0	0
1300	287 0	302 0	415 0	438 0	1 0	0 0	259 0	282	239	256 0	297	209	263 0	301	225	245 0	279	202	0 0	0	0	0
1400	310 0	314 0	424 0	442 0	0 0	0 0	255 0	282	232	254 0	291	211	258 0	280	245	240 0	265	224	0 0	0	0	0
1500	305 0	306 0	427 0	445 0	0 0	0 0	258 0	283	234	257 0	294	224	262 0	280	223	244 0	259	212	0 0	0	0	0
1600	288 0	300 0	408 0	427 0	0 0	0 0	260 0	278	235	260 0	303	223	265 0	280	249	247 0	264	229	0 0	0	0	0
1700	272 0	291 0	400 0	421 0	0 0	0 0	263 0	289	237	261 0	296	226	265 0	283	244	248 0	260	216	0 0	0	0	0
1800	283 0	298 0	387 0	404 0	0 0	0 0	262 0	283	239	261 0	289	228	264 0	282	243	247 0	266	229	0 0	0	0	0
1900	254 0	276 0	364 0	381 0	0 0	0 0	264 0	283	239	261 0	298	220	265 0	280	243	248 0	260	223	0 0	0	0	0
2000	306 0	319 0	370 0	386 0	0 0	0 0	265 0	283	217	260 0	293	203	270 0	281	249	252 0	267	225	0 0	0	0	0
2100	325 0	345 0	373 0	323 0	0 0	0 0	267 0	283	248	269 0	286	232	272 0	288	241	255 0	269	219	0 0	0	0	0
2200	297 0	305 0	337 0	351 0	0 0	0 0	263 0	284	253	266 0	296	240	276 0	297	254	258 0	279	233	0 0	0	0	0
2300	292 0	302 0	399 0	418 0	0 0	0 0	261 0	278	228	257 0	286	202	269 0	287	232	241 0	266	176	0 0	0	0	0
2400	327 0	343 0	371 0	389 0	0 0	0 0	269 0	281	247	264 0	283	238	273 0	286	250	244 0	270	185	0 0	0	0	0

	AMB. TEMP1 30 A S	AMB. TEMP2 30 B S	AMB. TEMP3 180A S	AMB. TEMP4 180B S	AMB. TEMP5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	340 0	333 0	331 0	327 0	320 0	320 0	-9 0	-7 0	0 0	0 0	381 2	0 0	0 0	0 0	0 0	0 0	0 0	13 0
200	336 0	329 0	325 0	322 0	320 0	320 0	-9 0	-7 0	0 0	0 0	351 2	0 0	0 0	0 0	0 0	0 0	0 0	13 0
300	327 0	320 0	317 0	314 0	320 0	320 0	-9 0	-7 0	0 0	0 0	412 2	0 0	0 0	0 0	0 0	0 0	0 0	13 0
400	327 0	322 0	320 0	314 0	320 0	320 0	-9 0	-7 0	0 0	0 0	352 2	0 0	0 0	0 0	0 0	0 0	0 0	13 0
500	324 0	315 0	312 0	306 0	320 0	320 0	-9 0	-7 0	0 0	0 0	347 2	0 0	0 0	0 0	0 0	0 0	0 0	13 0
600	322 0	314 0	310 0	305 0	320 0	320 0	-9 0	-7 0	0 0	0 0	363 2	0 0	0 0	0 0	0 0	0 0	0 0	13 0
700	320 0	312 0	308 0	305 0	320 0	320 0	-11 0	-9 0	0 0	0 0	359 2	0 0	0 0	0 0	0 0	0 0	0 0	13 0
800	317 0	308 0	306 0	303 0	320 0	320 0	-9 0	-7 0	0 0	0 0	367 2	0 0	0 0	0 0	0 0	0 0	0 0	13 0
900	320 0	312 0	312 0	303 0	320 0	320 0	-11 0	-9 0	0 0	0 0	347 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
1000	310 0	303 0	299 0	294 0	320 0	320 0	-11 0	-9 0	0 0	0 0	331 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
1100	297 0	290 0	288 0	283 0	320 0	320 0	-11 0	-9 0	0 0	0 0	370 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
1200	303 0	276 0	294 0	288 0	320 0	320 0	-11 0	-9 0	0 0	0 0	365 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
1300	306 0	299 0	296 0	290 0	320 0	320 0	-11 0	-9 0	0 0	0 0	358 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
1400	303 0	297 0	294 0	287 0	320 0	320 0	-11 0	-9 0	0 0	0 0	429 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
1500	301 0	294 0	293 0	285 0	320 0	320 0	-13 0	-9 0	0 0	0 0	558 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
1600	296 0	288 0	285 0	279 0	320 0	320 0	-13 0	-9 0	0 0	0 0	385 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
1700	297 0	290 0	286 0	281 0	320 0	320 0	-11 0	-9 0	0 0	0 0	432 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
1800	296 0	288 0	285 0	279 0	320 0	320 0	-11 0	-9 0	0 0	0 0	324 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
1900	297 0	290 0	285 0	281 0	320 0	320 0	-13 0	-9 0	0 0	0 0	325 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
2000	294 0	287 0	281 0	276 0	320 0	320 0	-11 0	-9 0	0 0	0 0	322 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
2100	292 0	285 0	279 0	276 0	320 0	320 0	-13 0	-11 0	0 0	0 0	315 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
2200	294 0	287 0	281 0	276 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
2300	281 0	274 0	269 0	263 0	320 0	320 0	-13 0	-11 0	0 0	0 0	310 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
2400	272 0	266 0	260 0	254 0	320 0	320 0	-11 0	-9 0	0 0	0 0	310 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	333	0	357	0	394	0	412	0	0	0	0	0	269	0	281	253	263	0	286	231	273	0	292	263	247	0	288	232	0	0	0	0	0	0
200	305	0	326	0	377	0	395	0	0	0	0	0	266	0	277	241	264	0	284	224	269	0	285	239	240	0	278	197	0	0	0	0	0	0
300	318	0	324	0	370	0	387	0	0	0	0	0	267	0	283	251	264	0	287	240	273	0	304	253	246	0	286	220	0	0	0	0	0	0
400	297	0	306	0	349	0	364	0	0	0	0	0	269	0	283	254	266	0	293	242	275	0	300	260	248	0	294	224	0	0	0	0	0	0
500	250	0	253	0	291	0	299	0	0	0	0	0	273	0	302	246	265	0	300	224	282	0	315	252	261	0	333	215	0	0	0	0	0	0
600	299	0	310	0	345	0	358	0	0	0	0	0	264	0	294	242	263	0	295	229	276	0	316	247	250	0	309	195	0	0	0	0	0	0
700	316	0	327	0	356	0	372	0	0	0	0	0	269	0	296	244	264	0	308	195	277	0	317	255	250	0	313	215	0	0	0	0	0	0
800	296	0	302	0	323	0	336	0	0	0	0	0	263	0	287	236	264	0	298	235	280	0	319	260	256	0	321	203	0	0	0	0	0	0
900	272	0	272	0	304	0	314	0	0	0	0	0	270	0	302	248	266	0	307	221	262	0	314	252	259	0	331	199	0	0	0	0	0	0
1000	289	0	300	0	320	0	331	0	0	0	0	0	265	0	291	237	252	0	289	218	279	0	336	266	253	0	334	205	0	0	0	0	0	0
1100	273	0	299	0	322	0	337	0	0	0	0	0	267	0	292	240	263	0	290	221	273	0	293	255	247	0	275	215	0	0	0	0	0	0
1200	246	0	251	0	276	0	288	0	0	0	0	0	264	0	299	241	263	0	297	232	278	0	305	249	259	0	315	212	0	0	0	0	0	0
1300	245	0	259	0	276	0	286	0	0	0	0	0	265	0	286	243	262	0	290	229	278	0	318	258	252	0	335	207	0	0	0	0	0	0
1400	259	0	272	0	295	0	298	0	0	0	0	0	269	0	284	250	266	0	298	250	274	0	292	247	252	0	286	225	0	0	0	0	0	0
1500	241	0	247	0	271	0	284	0	0	0	0	0	271	0	319	252	266	0	308	242	280	0	332	257	259	0	340	138	0	0	0	0	0	0
1600	227	0	236	0	255	0	266	0	0	0	0	0	273	0	293	240	265	0	307	204	277	0	326	254	257	0	339	214	0	0	0	0	0	0
1700	230	0	246	0	267	0	277	0	0	0	0	0	267	0	286	242	264	0	287	234	274	0	295	251	252	0	348	209	0	0	0	0	0	0
1800	202	0	205	0	227	0	239	0	0	0	0	0	273	0	306	246	266	0	302	229	284	0	315	261	268	0	347	199	0	0	0	0	0	0
1900	215	0	218	0	243	0	258	0	0	0	0	0	272	0	323	232	267	0	306	203	284	0	318	254	272	0	357	190	0	0	0	0	0	0
2000	197	0	201	0	236	0	247	0	0	0	0	0	273	0	305	241	267	0	304	227	281	0	319	248	264	0	346	194	0	0	0	0	0	0
2100	171	0	173	0	209	0	215	0	0	0	0	0	276	0	307	251	272	0	312	230	288	0	330	249	278	0	354	187	0	0	0	0	0	0
2200	195	0	190	0	247	0	253	0	0	0	0	0	297	0	310	272	291	0	328	246	304	0	317	281	300	0	320	238	0	0	0	0	0	0
2300	172	0	169	0	211	0	220	0	0	0	0	0	287	0	322	241	282	0	327	234	293	0	323	259	285	0	354	191	0	0	0	0	0	0
2400	183	0	185	0	217	0	226	0	0	0	0	0	287	0	319	246	280	0	321	232	294	0	319	259	285	0	351	191	0	0	0	0	0	0

	AMB. TEMI 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	279	0	272	0	267	0	263	0	320	0	320	0	-13	0	-11	0	0	0	0	0	669	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
200	285	0	278	0	272	0	269	0	320	0	320	0	-13	0	-11	0	0	0	0	0	648	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
300	283	0	276	0	270	0	267	0	320	0	320	0	-13	0	-11	0	0	0	0	0	565	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
400	279	0	272	0	269	0	263	0	320	0	320	0	-13	0	-11	0	0	0	0	0	505	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
500	278	0	268	0	268	0	254	0	320	0	320	0	-11	0	-9	0	0	0	0	0	610	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
600	249	0	240	0	236	0	233	0	320	0	320	0	-11	0	-9	0	0	0	0	0	572	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
700	243	0	236	0	233	0	227	0	320	0	320	0	-11	0	-9	0	0	0	0	0	567	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
800	242	0	234	0	229	0	225	0	320	0	320	0	-11	0	-9	0	0	0	0	0	565	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
900	236	0	229	0	225	0	220	0	320	0	320	0	-11	0	-9	0	0	0	0	0	561	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1000	236	0	229	0	225	0	220	0	320	0	320	0	-13	0	-9	0	0	0	0	0	552	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1100	240	0	233	0	227	0	224	0	320	0	320	0	-13	0	-9	0	0	0	0	0	552	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1200	243	0	234	0	231	0	225	0	320	0	320	0	-13	0	-9	0	0	0	0	0	613	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1300	243	0	236	0	233	0	229	0	320	0	320	0	-13	0	-9	0	0	0	0	0	547	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1400	247	0	240	0	236	0	229	0	320	0	320	0	-13	0	-11	0	0	0	0	0	448	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1500	249	0	242	0	239	0	234	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1600	251	0	243	0	240	0	236	0	320	0	320	0	-11	0	-9	0	0	0	0	0	312	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1700	258	0	249	0	247	0	242	0	320	0	320	0	-11	0	-9	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1800	263	0	254	0	251	0	247	0	320	0	320	0	-11	0	-9	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1900	263	0	256	0	252	0	247	0	320	0	320	0	-11	0	-9	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2000	261	0	252	0	251	0	245	0	320	0	320	0	-11	0	-9	0	0	0	0	0	336	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2100	261	0	254	0	251	0	245	0	320	0	320	0	-11	0	-9	0	0	0	0	0	327	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2200	253	0	251	0	245	0	240	0	320	0	320	0	-11	0	-9	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2300	258	0	249	0	247	0	242	0	320	0	320	0	-11	0	-9	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2400	261	0	252	0	249	0	245	0	320	0	320	0	-11	0	-9	0	0	0	0	0	585	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SP01 50 A	S	WIND SP02 50 B	S	WIND SP03 150A	S	WIND SP04 150B	S	WIND SP05	S	WIND SP06 50 A	S	WIND DIR1	S	MIN 50 A	MAX	WIND DIR2	S	MIN 150A	MAX	WIND DIR3	S	MIN 150B	MAX	WIND DIR4	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	185	0	178	0	222	0	229	0	1	0	0	0	293	0	314	281	291	0	322	263	303	0	313	286	331	0	326	220	0	0	0	0	0	0
200	167	0	166	0	193	0	278	0	0	0	0	0	296	1	325	252	299	0	324	202	302	0	319	264	324	0	334	224	0	0	0	0	0	0
300	162	0	159	0	197	0	276	0	0	0	0	0	284	1	317	251	279	0	320	241	291	0	333	258	279	0	333	199	0	0	0	0	0	0
400	153	0	155	0	174	0	136	0	0	0	0	0	293	0	317	257	286	0	326	249	299	0	327	255	306	0	346	228	0	0	0	0	0	0
500	147	0	131	0	171	0	178	0	0	0	0	0	267	1	303	239	264	0	299	221	278	0	307	249	269	0	345	131	0	0	0	0	0	0
600	143	0	150	0	177	0	183	0	0	0	0	0	265	0	331	230	264	0	319	220	280	0	323	235	263	0	345	191	0	0	0	0	0	0
700	134	0	139	0	[illegible]	0	161	0	0	0	0	0	278	0	312	246	271	0	314	193	263	0	324	259	272	2	356	193	0	0	0	0	0	0
800	115	0	118	0	142	0	151	0	0	0	0	0	263	0	289	224	261	0	291	208	270	0	304	248	213	2	265	142	0	0	0	0	0	0
900	144	0	147	0	197	0	204	0	0	0	0	0	255	0	282	222	253	0	284	215	261	0	279	243	218	2	250	157	0	0	0	0	0	0
1000	89	0	91	0	117	0	116	0	0	0	0	0	243	0	297	207	238	0	311	193	253	0	292	217	162	2	258	90	0	0	0	0	0	0
1100	127	0	135	0	153	0	158	0	0	0	0	0	253	0	283	223	251	0	292	210	250	0	289	204	195	2	269	90	0	0	0	0	0	0
1200	94	0	94	0	125	0	120	0	0	0	0	0	237	0	275	189	235	0	278	187	237	0	266	184	145	2	220	90	0	0	0	0	0	0
1300	92	0	87	0	123	0	124	0	0	0	0	0	224	0	252	166	223	0	261	179	227	0	267	193	142	2	203	91	0	0	0	0	0	0
1400	101	0	98	0	135	0	136	0	0	0	0	0	233	0	259	198	231	0	265	187	233	0	270	198	153	2	269	97	0	0	0	0	0	0
1500	103	0	105	0	125	0	130	0	0	0	0	0	245	0	272	210	243	0	295	191	243	0	276	192	153	2	248	92	0	0	0	0	0	0
1600	72	0	65	0	93	0	89	0	0	0	0	0	224	0	263	135	224	0	266	171	217	0	251	184	116	2	171	80	0	0	0	0	0	0
1700	161	0	165	0	217	0	221	0	0	0	0	0	252	1	275	223	250	0	287	213	257	0	271	244	217	2	258	120	0	0	0	0	0	0
1800	174	0	179	0	212	0	225	0	0	0	0	0	263	1	297	231	260	0	291	218	269	0	289	234	238	2	310	137	0	0	0	0	0	0
1900	117	0	121	0	157	0	154	0	0	0	0	0	253	0	285	205	252	0	291	204	250	0	285	209	188	2	246	90	0	0	0	0	0	0
2000	63	0	58	0	105	0	96	0	0	0	0	0	216	0	264	154	209	0	252	95	217	0	243	190	121	2	164	90	0	0	0	0	0	0
2100	93	0	38	0	145	0	133	0	0	0	0	0	222	1	260	179	219	0	256	115	217	0	236	184	146	2	202	97	0	0	0	0	0	0
2200	96	0	34	0	145	0	130	0	0	0	0	0	214	0	247	180	213	0	255	161	216	0	243	195	144	2	178	108	0	0	0	0	0	0
2300	72	0	71	0	122	0	114	0	0	0	0	0	217	0	257	171	215	0	263	145	213	0	246	195	135	2	176	85	0	0	0	0	0	0
2400	92	0	33	0	133	0	129	0	0	0	0	0	222	0	247	190	221	0	257	192	223	0	244	174	145	2	209	97	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 190A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 190A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	267	0	260	0	254	0	251	0	320	0	320	0	-11	0	-9	0	0	0	0	0	563	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
200	265	0	258	0	254	0	249	0	320	0	320	0	-11	0	-9	0	0	0	0	0	563	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
300	263	0	256	0	252	0	247	0	320	0	320	0	-11	0	-9	0	0	0	0	0	563	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
400	253	0	251	0	249	0	243	0	320	0	320	0	-9	0	-7	0	0	0	0	0	554	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
500	256	0	249	0	245	0	242	0	320	0	320	0	-11	0	-9	0	0	0	0	0	556	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
600	251	0	242	0	240	0	234	0	320	0	320	0	-11	0	-9	0	0	0	0	0	554	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
700	247	0	240	0	236	0	233	0	320	0	320	0	-11	0	-7	0	0	0	0	0	554	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
800	245	0	238	0	234	0	231	0	320	0	320	0	-11	0	-9	0	0	0	0	0	543	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
900	240	0	234	0	234	0	224	0	320	0	320	0	-13	0	-9	0	0	0	0	0	444	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1000	215	0	209	0	215	0	207	0	320	0	320	0	-5	0	-2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1100	231	0	224	0	220	0	215	0	320	0	320	0	-13	0	-9	0	0	0	0	0	423	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1200	224	0	215	0	215	0	206	0	320	0	320	0	-13	0	-9	0	0	0	0	0	412	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1300	215	0	209	0	204	0	200	0	320	0	320	0	-13	0	-9	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1400	225	0	218	0	215	0	209	0	320	0	320	0	-13	0	-11	0	0	0	0	0	585	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1500	234	0	225	0	222	0	216	0	320	0	320	0	-11	0	-9	0	0	0	0	0	552	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1600	227	0	222	0	221	0	215	0	320	0	320	0	-11	0	-7	0	0	0	0	0	403	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1700	261	0	254	0	256	0	247	0	320	0	320	0	-7	0	-7	0	0	0	0	0	423	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1800	265	0	254	0	253	0	249	0	320	0	320	0	-11	1	-9	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1900	265	0	258	0	254	0	249	0	320	0	320	0	-11	0	-9	0	0	0	0	0	351	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2000	233	0	231	0	229	0	224	0	320	0	320	0	-7	0	-7	0	0	0	0	0	637	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2100	236	0	229	0	227	0	222	0	320	0	320	0	-7	0	-7	0	0	0	0	0	594	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2200	233	0	227	0	225	0	222	0	320	0	320	0	-9	0	-7	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2300	233	0	231	0	229	0	225	0	320	0	320	0	-7	0	-7	0	0	0	0	0	433	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2400	243	0	236	0	233	0	231	0	320	0	320	0	-7	0	-5	0	0	0	0	0	423	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	84	0	74	0	120	0	110	0	0	0	0	0	219	0	263	192	216	0	261	175	219	0	248	195	133	2	175	89	0	0	0	0	0	0
200	92	0	80	0	133	0	126	0	0	0	0	0	219	0	248	193	219	0	267	160	223	0	246	202	144	2	131	108	0	0	0	0	0	0
300	60	0	53	0	102	0	92	0	0	0	0	0	212	0	247	162	209	0	247	151	214	0	238	198	120	2	155	87	0	0	0	0	0	0
400	83	0	78	0	116	0	114	0	0	0	0	0	225	0	286	201	221	0	269	174	222	0	249	201	135	2	171	91	0	0	0	0	0	0
500	52	0	45	0	95	0	84	0	0	0	0	0	208	0	259	116	178	0	255	118	208	0	226	184	116	2	140	93	0	0	0	0	0	0
600	50	0	50	0	95	0	85	0	0	0	0	0	165	0	207	127	164	0	216	126	180	0	210	157	109	2	131	91	0	0	0	0	0	0
700	56	0	58	0	103	0	92	0	0	0	0	0	169	0	231	115	172	0	235	107	186	0	207	159	114	2	143	85	0	0	0	0	0	0
800	53	0	57	0	109	0	96	0	0	0	0	0	172	0	221	103	171	0	233	92	185	0	219	147	114	2	140	89	0	0	0	0	0	0
900	64	0	61	0	117	0	101	0	0	0	0	0	189	0	256	107	190	0	266	123	193	0	222	158	121	2	160	87	0	0	0	0	0	0
1000	53	0	53	0	95	0	90	0	0	0	0	0	169	0	241	103	169	0	232	107	184	0	212	139	113	2	137	89	0	0	0	0	0	0
1100	50	0	49	0	92	0	90	0	0	0	0	0	182	0	243	125	181	0	253	105	192	0	220	156	112	2	146	91	0	0	0	0	0	0
1200	63	0	57	0	105	0	92	0	0	0	0	0	211	0	264	143	210	0	260	120	212	0	237	187	121	2	153	87	0	0	0	0	0	0
1300	66	0	60	0	102	0	90	0	0	0	0	0	215	0	254	142	217	0	267	154	216	0	247	185	129	2	168	79	0	0	0	0	0	0
1400	53	0	50	0	89	0	79	0	0	0	0	0	219	0	269	185	216	0	256	190	218	0	235	184	110	2	140	95	0	0	0	0	0	0
1500	52	0	45	0	83	0	75	0	0	0	0	0	212	0	249	165	212	0	261	126	213	0	241	190	109	2	142	86	0	0	0	0	0	0
1600	56	0	58	0	79	0	82	0	0	0	0	0	241	0	284	201	239	0	283	210	245	0	286	215	103	2	168	78	0	0	0	0	0	0
1700	125	0	128	0	159	0	159	0	0	0	0	0	308	0	336	284	302	0	341	276	317	0	333	304	337	2	8	313	0	0	0	0	0	0
1800	127	0	128	0	174	0	173	0	0	0	0	0	320	0	357	2898	314	0	355	286	331	0	355	316	351	2	106	317	0	0	0	0	0	0
1900	132	0	141	0	165	0	132	0	0	0	0	0	340	0	5	291	333	0	18	277	345	0	1	303	5	2	87	345	0	0	0	0	0	0
2000	102	0	104	0	145	0	145	0	0	0	0	0	342	0	31	295	335	0	29	280	351	0	45	324	17	2	92	335	0	0	0	0	0	0
2100	135	0	137	0	165	0	130	0	0	0	0	0	341	0	3	319	336	0	10	300	347	0	0	323	9	2	94	317	0	0	0	0	0	0
2200	95	0	92	0	150	0	146	0	0	0	0	0	357	0	53	306	353	0	45	287	359	0	33	335	26	2	101	345	0	0	0	0	0	0
2300	83	0	84	0	115	0	113	0	0	0	0	0	24	0	64	330	18	0	59	323	16	0	45	344	45	2	76	18	0	0	0	0	0	0
2400	61	0	62	0	84	0	83	0	0	0	0	0	36	0	76	359	29	0	73	338	24	0	57	349	59	2	76	32	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	251	0	243	0	242	0	236	0	320	0	320	0	-9	0	-7	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
200	249	0	242	0	242	0	236	0	320	0	320	0	-7	0	-5	0	0	0	0	0	418	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
300	242	0	234	0	240	0	233	0	320	0	320	0	-5	0	-4	0	0	0	0	0	499	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
400	249	0	242	0	247	0	238	0	320	0	320	0	-7	0	-5	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
500	251	0	243	0	245	0	240	0	320	0	320	0	-5	0	-4	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
600	245	0	236	0	236	0	235	0	320	0	320	0	-9	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
700	247	0	242	0	242	0	236	0	320	0	320	0	-7	0	-5	0	0	0	0	0	459	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
800	258	0	249	0	249	0	245	0	320	0	320	0	-7	0	-5	0	0	0	0	0	453	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
900	267	0	261	0	261	0	254	0	320	0	320	0	-9	0	-7	0	0	0	0	0	437	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1000	267	0	260	0	261	0	251	0	320	0	320	0	-11	0	-9	0	0	0	0	0	388	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1100	270	0	263	0	263	0	254	0	320	0	320	0	-11	0	-9	0	0	0	0	0	405	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1200	285	0	279	0	279	0	270	0	320	0	320	0	-11	0	-7	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1300	296	0	288	0	287	0	281	0	320	0	320	0	-11	0	-9	0	0	0	0	0	349	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1400	301	0	294	0	292	0	287	0	320	0	320	0	-9	0	-7	0	0	0	0	0	414	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1500	308	0	301	0	299	0	294	0	320	0	320	0	-9	0	-7	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1600	314	0	306	0	306	0	303	0	320	0	320	0	-7	0	-5	0	0	0	0	0	388	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1700	343	0	336	0	336	1	331	0	320	0	320	0	-7	0	-7	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1800	342	0	334	0	333	0	329	0	320	0	320	0	-9	0	-7	0	0	0	0	0	424	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1900	338	0	331	0	329	0	325	0	320	0	320	0	-9	0	-7	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2000	335	0	329	0	327	0	322	0	320	0	320	0	-9	0	-7	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2100	336	0	329	0	327	0	322	0	320	0	320	0	-9	0	-7	0	0	0	0	0	509	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2200	324	0	319	0	314	0	308	0	320	0	320	0	-9	0	-7	0	0	0	0	0	433	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2300	322	0	310	0	308	0	303	0	320	0	320	0	-9	0	-7	0	0	0	0	0	448	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2400	314	0	305	0	303	0	299	0	320	0	320	0	-9	0	-7	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0

STATUS-CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	DIR4	MIN	MAX	DIR5	MIN	MAX	S	DIR6	S
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50 B	S		150A	S		150B	S							S		S
100	41	0	48	0	65	0	59	0	0	0	0	0	27	1	84	325	23	0	75	292	19	0	51	322	64	2	78	36	0	0	0	0	0	0
200	31	0	38	0	43	0	48	0	0	0	0	0	57	1	112	22	52	0	118	5	56	0	89	14	75	2	76	55	0	0	0	0	0	0
300	42	0	44	0	51	0	0	0	0	0	0	0	81	1	103	66	72	0	104	61	75	0	87	56	76	2	76	76	0	0	0	0	0	0
400	65	0	68	0	82	0	85	0	0	0	0	0	82	0	118	67	81	0	118	60	83	0	109	71	77	2	83	76	0	0	0	0	0	0
500	84	0	89	0	129	0	128	0	0	0	0	0	103	0	122	86	103	0	132	77	106	0	117	95	83	2	88	79	0	0	0	0	0	0
600	85	0	85	0	132	0	133	0	0	0	0	0	103	0	124	80	99	0	125	76	104	0	113	94	82	2	85	76	0	0	0	0	0	0
700	91	0	93	0	134	0	138	0	0	0	0	0	119	0	129	101	116	0	134	96	119	0	123	113	88	2	93	83	0	0	0	0	0	0
800	101	0	101	0	137	0	143	0	0	0	0	0	115	1	127	98	117	0	135	97	123	0	131	114	91	2	95	86	0	0	0	0	0	0
900	72	0	81	0	117	0	126	0	0	0	0	0	122	1	137	103	123	0	141	97	131	0	143	114	93	2	103	95	0	0	0	0	0	1
1000	104	0	105	0	116	0	119	0	0	0	0	0	120	1	139	97	121	0	150	86	119	0	137	94	87	2	99	79	0	0	0	0	0	0
1100	117	0	123	0	159	0	164	0	0	0	0	0	121	1	138	97	124	0	163	98	125	0	147	109	92	2	103	92	0	0	0	0	0	0
1200	114	0	120	0	139	0	145	0	0	0	0	0	123	0	143	97	125	0	153	98	132	0	160	95	96	2	111	78	0	0	0	0	0	0
1300	107	0	111	0	153	0	149	0	0	0	0	0	126	1	163	106	130	0	166	105	137	0	162	113	99	2	117	82	0	0	0	0	0	0
1400	108	0	115	0	131	0	136	0	0	0	0	0	122	0	148	72	125	0	156	82	125	0	147	85	92	2	104	77	0	0	0	0	0	0
1500	101	0	115	0	150	0	139	0	0	0	0	0	124	0	149	104	128	0	150	102	132	0	146	113	96	2	113	81	0	0	0	0	0	0
1600	125	0	125	0	149	0	154	0	0	0	0	0	113	0	135	92	116	0	147	88	116	0	135	95	89	2	100	76	0	0	0	0	0	0
1700	124	0	120	0	159	0	159	0	0	0	0	0	93	0	117	75	98	0	125	69	100	0	119	77	81	2	93	70	0	0	0	0	0	0
1800	112	0	112	0	156	0	156	0	0	0	0	0	94	0	124	72	97	0	126	59	100	0	119	83	82	2	96	73	0	0	0	0	0	0
1900	122	0	122	0	152	0	152	0	0	0	0	0	96	0	120	74	95	0	130	66	99	0	123	78	92	2	93	74	0	0	0	0	0	0
2000	127	0	123	0	157	0	158	0	0	0	0	0	104	0	128	81	109	0	142	75	109	0	122	69	84	2	94	74	0	0	0	0	0	0
2100	140	0	138	0	177	0	176	0	0	0	0	0	109	1	128	88	111	0	136	94	108	0	134	89	96	2	99	68	0	0	0	0	0	0
2200	152	0	150	0	197	0	197	0	0	0	0	0	111	0	124	89	113	0	139	83	112	0	125	92	90	2	106	77	0	0	0	0	0	0
2300	103	0	109	0	139	0	142	0	0	0	0	0	105	1	132	82	104	0	142	57	106	0	123	84	95	2	105	76	0	0	0	0	0	0
2400	93	0	106	0	119	0	135	0	0	0	0	0	72	0	100	46	68	0	102	43	73	0	96	56	72	2	82	51	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	314	0	305	0	305	0	299	0	320	0	320	0	-9	0	-5	0	0	0	0	0	448	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
200	310	0	303	0	303	0	299	0	320	0	320	0	-7	0	-5	0	0	0	0	0	433	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
300	308	0	299	0	305	0	299	0	320	0	320	0	-9	0	0	0	0	0	0	0	426	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
400	303	0	296	0	297	0	294	0	321	0	320	0	-5	0	-4	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
500	267	0	260	0	267	0	251	0	320	0	320	0	-2	0	0	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
600	247	0	240	0	249	0	245	0	320	0	320	0	2	0	5	0	0	0	0	0	373	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
700	235	0	224	0	238	0	233	0	320	0	320	0	7	0	9	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
800	225	0	213	0	227	0	222	0	320	0	320	0	2	0	4	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
900	222	0	213	0	222	0	216	0	320	0	320	0	0	0	4	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1000	252	0	243	0	234	0	234	0	320	0	320	0	-13	0	-11	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1100	263	0	256	0	251	0	245	0	321	0	320	0	-13	0	-11	0	0	0	0	0	413	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1200	273	0	270	0	263	0	260	0	320	0	320	0	-14	0	-13	0	0	0	0	0	405	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1300	287	0	281	0	272	0	269	0	323	0	320	0	-14	0	-13	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1400	294	0	287	0	283	0	279	0	320	0	320	0	-13	0	-11	0	0	0	0	0	527	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1500	305	0	297	0	294	0	288	0	320	0	320	0	-11	0	-9	0	0	0	0	0	545	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1600	305	0	297	0	295	0	290	0	320	0	320	0	-9	0	-7	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1700	297	0	292	0	293	0	285	0	320	0	320	0	-9	0	-5	0	0	0	0	0	520	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1800	292	0	285	0	283	0	279	0	321	0	320	0	-7	0	-7	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
1900	288	0	281	0	279	0	276	0	320	0	320	0	-9	0	-7	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2000	287	0	281	0	279	0	274	0	320	0	320	0	-9	0	-7	0	0	0	0	0	579	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2100	287	0	279	0	279	0	272	0	320	0	320	0	-9	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2200	295	0	285	0	285	0	279	0	321	0	320	0	-9	0	-7	0	0	0	0	0	499	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2300	299	0	292	0	294	0	287	0	320	0	320	0	-9	0	-7	0	0	0	0	0	401	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
2400	294	0	287	0	285	0	281	0	320	0	320	0	-9	0	-5	0	0	0	0	0	451	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD5 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 C	A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	105	0	114	0	126	0	132	0	0	0	0	0	0	78	0	94	60	78	0	120	49	80	0	98	56	75	2	93	61	0	0	0	0	0	0	0
200	104	0	110	0	131	0	134	0	0	0	0	0	0	77	0	98	60	77	0	107	51	81	0	99	61	75	2	84	62	0	0	0	0	0	0	0
300	63	0	79	0	89	0	98	0	0	0	0	0	0	67	0	89	42	65	0	93	36	71	0	98	43	72	2	82	58	0	0	0	0	0	0	0
400	76	0	94	0	93	0	134	0	0	0	0	0	0	63	0	86	42	61	0	93	24	61	0	76	42	67	2	84	53	0	0	0	0	0	0	0
500	91	0	98	0	105	0	93	0	0	0	0	0	0	33	0	55	9	28	0	62	351	35	0	55	10	51	2	69	29	0	0	0	0	0	0	0
600	63	0	66	0	78	0	75	0	0	0	0	0	0	47	0	78	21	43	0	90	3	46	0	66	13	52	2	74	42	0	0	0	0	0	0	0
700	66	0	74	0	86	0	91	0	0	0	0	0	0	59	0	88	29	57	0	103	19	59	0	96	36	65	2	83	54	0	0	0	0	0	0	0
800	57	0	56	0	73	0	57	0	0	0	0	0	0	89	0	131	60	99	0	135	37	84	0	97	51	78	2	83	75	0	0	0	0	0	0	0
900	24	0	27	0	36	0	35	0	0	0	0	0	0	38	3	77	329	34	3	71	335	40	0	58	9	74	2	79	66	0	0	0	0	0	0	0
1000	19	0	21	0	34	0	33	0	0	0	0	0	0	31	3	84	343	30	3	84	327	29	0	55	0	73	2	79	65	0	0	0	0	0	0	0
1100	24	0	26	0	35	0	35	0	0	0	0	0	0	37	3	69	16	36	3	68	355	33	0	63	9	73	2	76	65	0	0	0	0	0	0	0
1200	15	0	18	0	28	0	27	0	0	0	0	0	0	59	3	88	349	57	3	92	17	23	3	61	0	74	2	79	71	0	0	0	0	0	0	0
1300	14	0	16	0	18	0	11	0	0	0	0	0	0	139	0	209	98	139	3	232	99	89	3	110	19	90	2	82	79	0	0	0	0	0	0	0
1400	7	0	11	0	13	0	12	0	0	0	0	0	0	183	0	246	104	175	3	261	101	229	0	335	181	81	2	82	79	0	0	0	0	0	0	0
1500	27	0	30	0	42	0	44	0	0	0	0	0	0	311	0	351	267	304	3	344	248	312	0	340	276	75	2	82	50	0	0	0	0	0	0	0
1600	52	0	54	0	63	0	65	0	0	0	0	0	0	308	0	330	282	303	0	327	276	318	0	331	304	63	2	76	42	0	0	0	0	0	0	0
1700	26	0	28	0	43	0	41	0	0	0	0	0	0	5	3	42	334	0	3	45	308	356	0	12	337	72	2	76	66	0	0	0	0	0	0	0
1800	29	0	30	0	23	0	27	0	0	0	0	0	0	120	0	179	89	119	3	179	73	47	3	75	7	78	2	79	75	0	0	0	0	0	0	0
1900	43	0	43	0	76	0	59	0	0	0	0	0	0	181	0	220	130	179	0	221	133	191	0	199	185	99	2	106	93	0	0	0	0	0	0	0
2000	34	0	36	0	79	0	68	0	0	0	0	0	0	189	0	232	141	187	0	248	127	202	0	209	192	104	2	115	96	0	0	0	0	0	0	0
2100	34	0	34	0	75	0	63	0	0	0	0	0	0	171	0	215	114	173	0	251	114	194	0	207	170	104	2	116	76	0	0	0	0	0	0	0
2200	41	0	41	0	77	0	57	0	0	0	0	0	0	173	0	217	128	176	0	231	107	192	0	219	170	103	2	121	82	0	0	0	0	0	0	0
2300	40	0	41	0	75	0	66	0	0	0	0	0	0	173	0	227	135	173	0	231	115	189	0	209	175	104	2	122	89	0	0	0	0	0	0	0
2400	42	0	43	0	96	0	81	0	0	0	0	0	0	181	0	248	129	179	0	263	101	191	0	214	160	112	2	143	87	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TE 12 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	292	0	285	0	283	0	279	0	320	0	320	0	-9	0	-7	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
200	292	0	285	0	283	0	281	0	320	0	320	0	-9	0	-5	0	0	0	0	0	353	2	0	0	0	0	0	0	0	0	0	0	0	0	14	0
300	297	0	290	0	287	0	283	0	320	0	320	0	-9	0	-7	0	0	0	0	0	331	2	0	0	0	0	0	0	0	0	0	0	0	0	15	0
400	299	0	292	0	290	0	285	0	320	0	320	0	-9	0	-7	0	0	0	0	0	451	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
500	303	0	296	0	294	0	290	0	320	0	320	0	-9	0	-7	0	0	0	0	0	689	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
600	305	0	297	0	296	0	292	0	320	0	320	0	-9	0	-7	0	0	0	0	0	678	2	0	0	0	0	0	0	0	0	0	0	0	0	17	0
700	301	0	294	0	292	0	286	0	320	0	320	0	-9	0	-7	0	0	0	0	0	622	2	0	0	0	0	0	0	0	0	0	0	0	0	17	0
800	297	0	288	0	286	0	283	0	320	0	320	0	-9	0	-5	0	0	0	0	0	338	2	0	0	0	0	0	0	0	0	0	0	0	0	17	0
900	297	0	288	0	287	0	281	0	320	0	320	0	-9	0	-7	0	0	0	0	0	338	2	0	0	0	0	0	0	0	0	0	0	0	0	17	0
1000	306	0	299	0	297	0	292	0	320	0	320	0	-9	0	-7	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	0	18	0
1100	312	0	305	0	303	0	299	0	320	0	320	0	-9	0	-7	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	0	20	0
1200	320	0	312	0	314	0	310	0	320	0	320	0	-5	0	-4	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	0	22	0
1300	331	0	322	0	324	0	320	0	320	0	320	0	-5	0	-2	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0	22	0
1400	347	0	340	0	343	0	340	0	320	0	320	0	-4	0	2	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	22	0
1500	367	0	360	0	360	0	354	0	320	0	320	0	-7	0	-5	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	0	0	22	0
1600	374	0	367	0	365	0	360	0	320	0	320	0	-9	0	-7	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	22	0
1700	370	0	363	0	363	0	356	0	320	0	320	0	-7	0	-5	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	22	0
1800	352	0	343	0	350	0	352	0	320	0	320	0	5	0	7	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	22	0
1900	351	0	343	0	353	0	354	0	320	0	320	0	7	0	9	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	0	0	22	0
2000	352	0	343	0	353	0	356	0	320	0	320	0	7	0	9	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	22	0
2100	351	0	343	0	349	0	343	0	320	0	320	0	0	0	2	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	22	0
2200	349	0	342	0	342	0	338	0	320	0	320	0	-7	0	-4	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	22	0
2300	345	0	338	0	340	0	334	0	320	0	320	0	-6	0	-4	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
2400	338	0	331	0	331	0	327	0	320	0	320	0	-7	0	-5	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1	S	WIND SPD2	S	WIND SPD3	S	WIND SPD4	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
	30 A	S	30 B	S	180A	S	180B	S		S	30 A	S																					
100	42	0	45	0	82	1	76	0	0	0	0	0	218	1	266	169	215	0	265	144	219	0	257	125	108	2	134	75	0	0	0	0	0	0
200	43	0	35	0	75	0	54	0	0	0	0	0	201	1	239	117	201	0	265	124	207	0	225	187	102	2	117	87	0	0	0	0	0	0
300	35	0	33	0	67	1	57	0	0	0	0	0	192	0	255	104	190	0	268	125	209	0	219	176	99	2	118	82	0	0	0	0	0	0
400	43	0	38	0	83	1	72	0	0	0	0	0	199	0	265	103	199	0	260	131	200	0	240	175	109	2	139	79	0	0	0	0	0	0
500	42	0	37	0	79	0	63	0	0	0	0	0	204	0	246	151	204	0	252	113	205	0	243	158	105	2	143	85	0	0	0	0	0	0
600	43	0	43	0	87	1	70	0	0	0	0	0	211	0	249	152	208	0	252	139	212	0	236	170	108	2	141	85	0	0	0	0	0	0
700	42	0	40	0	94	0	80	0	0	0	0	0	196	0	261	101	194	0	268	125	202	0	226	185	114	2	129	97	0	0	0	0	0	0
800	54	0	50	0	93	0	78	0	0	0	0	0	186	0	226	134	184	0	254	132	194	0	215	164	113	2	133	90	0	0	0	0	0	0
900	48	0	48	0	73	0	62	0	0	0	0	0	183	0	223	107	190	0	233	110	195	0	215	164	102	2	118	87	0	0	0	0	0	0
1000	32	0	30	0	64	0	56	0	0	0	0	0	185	0	255	120	186	3	269	93	202	0	235	175	98	2	115	85	0	0	0	0	0	0
1100	43	0	35	0	75	0	74	0	0	0	0	0	221	0	264	158	218	0	265	128	220	0	244	185	106	2	148	79	0	0	0	0	0	0
1200	51	0	49	0	75	0	74	0	0	0	0	0	224	0	269	174	221	0	269	154	226	0	253	203	106	2	150	84	0	0	0	0	0	0
1300	56	0	59	0	84	0	85	0	0	0	0	0	233	0	261	193	233	0	281	190	235	0	263	193	107	2	190	82	0	0	0	0	0	0
1400	43	0	40	0	56	0	54	0	0	0	0	0	229	0	285	193	226	0	273	186	227	0	260	204	93	2	114	81	0	0	0	0	0	0
1500	42	0	32	0	69	0	56	0	0	0	0	0	212	0	263	177	220	0	311	180	221	0	260	192	95	2	118	83	0	0	0	0	0	0
1600	23	0	21	0	37	0	35	0	0	0	0	0	210	0	238	165	209	0	246	155	220	0	247	193	86	2	96	83	0	0	0	0	0	0
1700	31	0	34	0	58	0	52	0	0	0	0	0	133	0	182	110	140	0	190	115	156	0	174	142	91	2	96	85	0	0	0	0	0	0
1800	43	0	45	0	69	0	70	0	0	0	0	0	140	1	166	119	142	0	170	119	150	0	161	133	94	2	99	89	0	0	0	0	0	0
1900	32	0	42	0	75	0	76	0	0	0	0	0	145	1	173	125	149	0	176	116	151	0	164	142	96	2	99	90	0	0	0	0	0	0
2000	44	0	47	0	65	0	68	0	0	0	0	0	120	0	152	93	123	0	154	83	127	0	146	100	97	2	94	82	0	0	0	0	0	0
2100	52	0	59	0	63	0	62	0	0	0	0	0	122	0	146	80	129	0	145	82	126	0	147	96	86	2	90	93	0	0	0	0	0	0
2200	49	0	51	0	66	0	65	0	0	0	0	0	73	0	94	59	77	0	91	44	89	0	101	74	92	2	92	82	0	0	0	0	0	0
2300	75	0	79	0	90	0	95	0	0	0	0	0	75	1	89	56	75	0	97	49	77	0	86	68	76	2	79	72	0	0	0	0	0	0
2400	63	0	73	0	85	0	93	0	0	0	0	0	76	0	109	49	76	0	103	45	76	0	92	62	76	2	79	71	0	0	0	0	0	0

	AMB. TEM1	S	AMB. TEM2	S	AMB. TEM3	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S		S		
100	334	0	327	0	327	0	322	0	320	0	320	0	-7	0	-5	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
200	331	0	325	0	324	0	320	0	320	0	320	0	-7	0	-7	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
300	331	0	324	0	322	0	322	0	320	0	320	0	-7	0	-5	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
400	331	0	324	0	322	0	322	0	320	0	320	0	-7	0	-5	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
500	333	0	325	0	325	0	322	0	320	0	320	0	-7	0	-5	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
600	336	0	329	0	329	0	325	0	320	0	320	0	-7	0	-5	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
700	336	0	329	0	329	0	325	0	320	0	320	0	-5	1	-4	0	0	0	0	0	734	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
800	336	0	329	0	331	0	327	0	320	0	320	0	-7	1	-5	0	0	0	0	0	673	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
900	340	0	333	0	333	0	329	0	329	0	320	0	-7	0	-5	0	0	0	0	0	644	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
1000	347	0	340	0	338	0	334	0	320	0	320	0	-9	1	-7	0	0	0	0	0	493	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
1100	356	0	349	0	345	0	342	0	320	0	320	0	-9	0	-7	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
1200	363	0	358	0	354	0	349	0	320	0	320	0	-9	0	-9	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
1300	369	0	361	0	358	0	352	0	329	0	320	0	-11	0	-9	0	0	0	0	0	390	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
1400	376	0	370	0	367	0	360	0	329	0	320	0	-13	0	-13	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
1500	376	0	369	0	365	0	360	0	329	0	320	0	-11	0	-9	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
1600	374	0	367	0	369	0	361	0	329	0	320	0	-9	0	-7	0	0	0	0	0	393	2	0	0	0	0	0	0	0	0	0	0	0	0	23	0
1700	370	0	363	0	365	0	358	0	320	0	320	0	-9	0	-7	0	0	0	0	0	581	2	0	0	0	0	0	0	0	0	0	0	0	0	26	0
1800	361	0	352	0	352	0	349	0	329	0	320	0	-7	0	-5	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	28	0
1900	353	0	351	0	351	0	345	0	329	0	320	0	-7	0	-5	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	32	0
2000	354	0	347	0	347	0	342	0	329	0	320	0	-7	0	-5	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	36	0
2100	349	0	342	0	342	0	336	0	329	0	320	0	-7	0	-5	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	41	0
2200	345	0	338	0	340	0	334	0	329	0	320	0	-5	1	-4	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	43	0
2300	340	0	333	0	331	0	329	0	329	0	320	0	-7	1	-5	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2400	331	0	327	0	327	0	322	0	329	0	320	0	-7	1	-5	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0

STATUS CODE(S) DEFINITIONS - 0=VALID, 1=QUESTIONABLE, 2=INVALID, 3=UNSTEADY DIRECTION, 5=FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 60 A S	WIND SPD2 60 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1	WIND MIN 60 A S	WIND MAX 60 A S	WIND DIR2	WIND MIN 150A S	WIND MAX 150A S	WIND DIR3	WIND MIN 150B S	WIND MAX 150B S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6
100	73 0	76 0	97 0	106 0	0 0	0 0	72 1	98	60	78 0	118	54	77 0	91	60	75 2	79	71	0 0	0	0	0 0
200	87 0	92 0	108 0	120 0	0 0	0 0	75 1	103	56	73 0	103	32	75 0	86	55	74 2	82	65	0 0	0	0	0 0
300	72 0	81 0	94 0	112 0	0 0	0 0	70 1	102	47	68 0	101	38	69 0	89	56	73 2	83	65	0 0	0	0	0 0
400	65 0	87 0	115 0	111 0	0 0	0 0	30 0	61	308	26 0	70	356	35 0	57	17	54 2	79	34	0 0	0	0	0 0
500	87 0	99 0	111 0	129 0	0 0	0 0	59 1	83	30	56 0	83	22	59 0	80	33	65 2	79	52	0 0	0	0	0 0
600	79 0	90 0	105 0	117 0	0 0	0 0	55 1	82	12	52 0	87	2	54 0	84	25	64 2	87	47	0 0	0	0	0 0
700	74 0	35 0	99 0	114 0	0 0	0 0	59 1	76	34	50 0	75	11	56 0	85	16	67 2	83	55	0 0	0	0	0 0
800	93 0	104 0	125 0	133 0	0 0	0 0	53 1	89	24	49 0	81	21	54 0	79	33	60 2	79	38	0 0	0	0	0 0
900	105 0	107 0	126 0	130 0	0 0	0 0	43 1	72	19	39 0	96	356	43 0	66	23	55 2	79	33	0 0	0	0	0 0
1000	143 0	143 0	175 0	172 0	0 0	0 0	33 1	67	14	32 0	59	2	39 0	63	16	45 2	67	18	0 0	0	0	0 0
1100	165 0	160 0	195 0	196 0	0 0	0 0	34 1	59	8	30 0	64	0	34 0	63	6	31 2	111	348	0 0	0	0	0 0
1200	147 0	149 0	179 0	178 0	0 0	0 0	34 1	54	4	27 0	68	349	31 0	66	5	29 2	111	335	0 0	0	0	0 0
1300	183 0	185 0	262 0	258 0	0 0	0 0	29 1	52	349	18 0	56	341	19 0	43	354	4 2	67	325	0 0	0	0	0 0
1400	202 0	202 0	307 0	286 0	0 0	0 0	352 1	35	317	343 0	70	276	359 0	54	327	339 2	131	273	0 0	0	0	0 0
1500	293 0	296 0	375 0	365 0	0 0	0 0	349 1	4	324	336 0	13	286	350 0	8	321	335 2	22	296	0 0	0	0	0 0
1600	303 0	316 0	381 0	376 0	0 0	0 0	340 1	13	317	353 0	6	299	346 0	359	324	333 2	8	297	0 0	0	0	0 0
1700	289 0	304 0	367 0	362 0	0 0	0 0	327 1	350	287	319 0	9	270	339 0	358	318	330 2	54	297	0 0	0	0	0 0
1800	268 0	278 0	373 0	352 0	0 0	0 0	325 1	351	295	316 0	358	246	337 0	356	315	328 2	6	279	0 0	0	0	0 0
1900	252 0	264 0	336 0	338 0	0 0	0 0	323 1	348	287	316 0	356	272	335 0	357	316	330 2	138	284	0 0	0	0	0 0
2000	240 0	247 0	337 0	315 0	0 0	0 0	329 1	356	309	321 0	359	270	339 0	5	322	332 2	2	291	0 0	0	0	0 0
2100	252 0	258 0	338 0	314 0	0 0	0 0	315 1	332	309	309 0	332	290	327 0	357	308	321 2	347	303	0 0	0	0	0 0
2200	255 0	255 0	332 0	330 0	0 0	0 0	317 1	341	296	311 0	339	275	330 0	346	305	325 2	355	302	0 0	0	0	0 0
2300	235 0	250 0	315 0	316 0	0 0	0 0	314 1	340	292	306 0	332	264	327 0	338	315	321 2	345	305	0 0	0	0	0 0
2400	241 0	233 0	302 0	306 0	0 0	0 0	303 1	320	283	297 0	338	263	313 0	327	302	306 2	325	289	0 0	0	0	0 0

	AMB. TEMP1 30 A S	AMB. TEMP2 30 B S	AMB. TEMP3 150A S	AMB. TEMP4 150B S	AMB. TEMP5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	331 0	324 0	324 0	326 0	329 0	320 0	-7 0	-5 0	0 0	0 0	361 2	0 0	0 0	0 0	0 0	0 0	0 0	47 0
200	331 0	324 0	324 0	322 0	328 0	320 0	-7 0	-5 0	0 0	0 0	361 2	0 0	0 0	0 0	0 0	0 0	0 0	47 0
300	331 0	324 0	322 0	322 0	328 0	320 0	-7 0	-5 0	0 0	0 0	361 2	0 0	0 0	0 0	0 0	0 0	0 0	49 0
400	322 0	314 0	315 0	318 0	328 0	320 0	-7 0	-5 0	0 0	0 0	356 2	0 0	0 0	0 0	0 0	0 0	0 0	50 0
500	320 0	312 0	312 0	308 0	328 0	320 0	-5 0	-4 0	0 0	0 0	352 2	0 0	0 0	0 0	0 0	0 0	0 0	50 0
600	320 0	312 0	312 0	306 0	328 0	320 0	-7 0	-5 0	0 0	0 0	352 2	0 0	0 0	0 0	0 0	0 0	0 0	50 0
700	320 0	312 0	312 0	306 0	328 0	320 0	-7 0	-5 0	0 0	0 0	354 2	0 0	0 0	0 0	0 0	0 0	0 0	50 0
800	322 0	310 0	308 0	305 0	328 0	320 0	-9 0	-7 0	0 0	0 0	360 2	0 0	0 0	0 0	0 0	0 0	0 0	50 0
900	315 0	308 0	306 0	303 0	320 0	320 0	-9 0	-7 0	0 0	0 0	392 2	0 0	0 0	0 0	0 0	0 0	0 0	50 0
1000	322 0	310 0	310 0	305 0	320 0	320 0	-7 0	-5 0	0 0	0 0	394 2	0 0	0 0	0 0	0 0	0 0	0 0	50 0
1100	320 0	310 0	314 0	305 0	320 0	320 0	-7 0	-5 0	0 0	0 0	376 2	0 0	0 0	0 0	0 0	0 0	0 0	51 0
1200	329 0	317 0	325 0	312 0	320 0	320 0	-9 0	-7 0	0 0	0 0	356 2	0 0	0 0	0 0	0 0	0 0	0 0	51 0
1300	324 0	315 0	315 0	312 0	321 0	320 0	-7 0	-5 0	0 0	0 0	361 2	0 0	0 0	0 0	0 0	0 0	0 0	51 0
1400	324 0	315 0	315 0	312 0	320 0	320 0	-7 0	-5 0	0 0	0 0	360 2	0 0	0 0	0 0	0 0	0 0	0 0	52 0
1500	320 0	312 0	308 0	301 0	320 0	320 0	-13 0	-11 0	0 0	0 0	358 2	0 0	0 0	0 0	0 0	0 0	0 0	52 0
1600	303 0	303 0	301 0	298 0	320 0	320 0	-13 0	-11 0	0 0	0 0	351 2	0 0	0 0	0 0	0 0	0 0	0 0	53 0
1700	290 0	287 0	287 0	272 0	320 0	320 0	-13 0	-11 0	0 0	0 0	385 2	0 0	0 0	0 0	0 0	0 0	0 0	53 0
1800	279 0	272 0	269 0	261 0	320 0	320 0	-13 0	-11 0	0 0	0 0	387 2	0 0	0 0	0 0	0 0	0 0	0 0	53 0
1900	276 0	269 0	265 0	260 0	320 0	320 0	-11 0	-9 0	0 0	0 0	369 2	0 0	0 0	0 0	0 0	0 0	0 0	53 0
2000	281 0	274 0	272 0	267 0	320 0	320 0	-11 0	-7 0	0 0	0 0	317 2	0 0	0 0	0 0	0 0	0 0	0 0	53 0
2100	278 0	270 0	269 0	263 0	320 0	320 0	-11 0	-7 0	0 0	0 0	374 2	0 0	0 0	0 0	0 0	0 0	0 0	53 0
2200	272 0	265 0	268 0	259 0	320 0	320 0	-11 0	-9 0	0 0	0 0	336 2	0 0	0 0	0 0	0 0	0 0	0 0	53 0
2300	276 0	269 0	269 0	260 0	320 0	320 0	-11 0	-9 0	0 0	0 0	340 2	0 0	0 0	0 0	0 0	0 0	0 0	53 0
2400	276 0	269 0	265 0	261 0	320 0	320 0	-11 0	-9 0	0 0	0 0	343 2	0 0	0 0	0 0	0 0	0 0	0 0	53 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	WIND DIR2			WIND DIR3			WIND DIR4			WIND DIR5			WIND DIR6		
	30 A	S	30 B	S	150A	S	150B	S		S	30 A	S		MIN	MAX	S	MIN	MAX	S	MIN	MAX	S	MIN	MAX	S	MIN	MAX	S
100	227	0	226	0	274	0	277	0	0	0	0	0	307	321	282	302	318	268	315	326	303	312	328	292	0	0	0	0	0	0
200	173	0	175	0	214	0	220	0	0	0	0	0	294	314	262	299	346	253	303	320	270	303	347	250	0	0	0	0	0	0
300	143	0	152	0	195	0	202	0	0	0	0	0	279	302	254	275	340	228	289	327	269	283	358	198	0	0	0	0	0	0
400	191	0	198	0	215	0	223	0	0	0	0	0	273	293	240	267	304	225	281	321	251	260	320	203	0	0	0	0	0	0
500	173	0	173	0	206	0	215	0	0	0	0	0	276	302	249	273	354	231	287	316	268	277	359	132	0	0	0	0	0	0
600	205	0	213	0	223	0	239	0	0	0	0	0	273	316	242	266	310	227	279	308	254	263	316	205	0	0	0	0	0	0
700	212	0	223	0	253	0	267	0	0	0	0	0	265	289	230	260	237	213	269	293	244	244	291	203	0	0	0	0	0	0
800	203	0	210	0	224	0	236	0	0	0	0	0	267	292	234	265	295	228	279	309	259	258	316	213	0	0	0	0	0	0
900	122	0	242	0	243	0	255	0	0	0	0	0	265	281	239	263	299	242	266	282	237	236	312	135	0	0	0	0	0	0
1000	194	0	235	0	223	0	232	0	0	0	0	0	266	281	245	263	286	221	272	293	258	246	329	195	0	0	0	0	0	0
1100	196	0	196	0	163	0	162	0	0	0	0	0	272	312	240	267	310	232	284	325	253	275	354	197	0	0	0	0	0	0
1200	153	0	154	0	178	0	173	0	0	0	0	0	262	294	244	265	295	232	282	318	257	263	352	185	0	0	0	0	0	0
1300	142	0	156	0	164	0	170	0	0	0	0	0	267	283	233	263	296	221	271	286	224	235	320	122	0	0	0	0	0	0
1400	113	0	122	0	138	0	144	0	0	0	0	0	264	294	237	260	299	227	274	309	258	232	354	186	0	0	0	0	0	0
1500	111	0	116	0	134	0	140	0	0	0	0	0	263	297	219	261	295	220	269	299	244	231	359	134	0	0	0	0	0	0
1600	73	0	75	0	86	0	97	0	0	0	0	0	263	295	228	260	299	223	272	304	243	92	2	-168	38	0	0	0	0	0
1700	45	0	52	0	52	0	56	0	0	0	0	0	235	277	204	234	289	191	240	276	204	86	2	108	76	0	0	0	0	0
1800	54	0	53	0	91	0	91	0	0	0	0	0	178	227	131	178	237	106	189	223	154	105	2	128	82	0	0	0	0	0
1900	48	0	55	0	93	0	98	0	0	0	0	0	182	231	128	183	238	97	193	210	176	109	2	135	84	0	0	0	0	0
2000	46	0	46	0	96	0	79	0	0	0	0	0	175	239	127	172	221	111	190	202	175	106	2	128	89	0	0	0	0	0
2100	41	0	45	0	92	0	96	0	0	0	0	0	165	207	143	166	214	128	182	187	179	107	2	110	99	0	0	0	0	0
2200	41	0	48	0	91	0	77	0	0	0	0	0	174	209	141	174	207	132	189	195	178	105	2	119	94	0	0	0	0	0
2300	50	0	53	0	103	0	100	0	0	0	0	0	154	179	127	155	180	121	172	180	168	108	2	113	104	0	0	0	0	0
2400	50	0	54	0	99	0	106	0	0	0	0	0	141	159	122	143	179	120	155	161	146	100	2	104	94	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEM6		D.T. 1	D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	S
	30 A	S	30 B	S	150A	S	150B	S		S		S	150A	150B	S		S		S		S		S		S		S		S		S			
100	274	0	267	0	263	0	258	0	320	0	320	0	-11	-9	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	53	0
200	272	0	265	0	263	0	258	0	320	0	320	0	-9	-7	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	53	0
300	269	0	261	0	258	0	252	0	320	0	320	0	-9	-7	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	53	0
400	270	0	263	0	260	0	254	0	320	0	320	0	-9	-7	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	53	0
500	276	0	267	0	265	0	260	0	320	0	320	0	-9	-7	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	53	0
600	281	0	272	0	270	0	265	0	320	0	320	0	-9	-7	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	53	0
700	269	0	261	0	256	0	251	0	320	0	320	0	-11	-9	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	53	0
800	270	0	263	0	260	0	254	0	320	0	320	0	-11	-9	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	53	0
900	265	0	256	0	252	0	247	0	320	0	320	0	-11	-9	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	53	0
1000	256	0	249	0	245	0	240	0	320	0	320	0	-11	-9	0	0	0	0	0	338	2	0	0	0	0	0	0	0	0	0	0	0	53	0
1100	253	0	251	0	247	0	242	0	320	0	320	0	-11	-9	0	0	0	0	0	401	2	0	0	0	0	0	0	0	0	0	0	0	53	0
1200	263	0	259	0	251	0	245	0	320	0	320	0	-13	-9	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	53	0
1300	267	0	260	0	256	0	251	0	320	0	320	0	-11	-9	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	0	53	0
1400	274	0	267	0	263	0	258	0	320	0	320	0	-11	-9	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	53	0
1500	278	0	267	0	263	0	258	0	320	0	320	0	-11	-9	0	0	0	0	0	385	2	0	0	0	0	0	0	0	0	0	0	0	53	0
1600	274	0	270	0	269	0	263	0	320	0	320	0	-9	-7	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	53	0
1700	272	0	265	0	269	0	260	0	320	0	320	0	-7	-5	0	0	0	0	0	351	2	0	0	0	0	0	0	0	0	0	0	0	53	0
1800	265	0	258	0	256	0	251	0	320	0	320	0	-9	-7	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	53	0
1900	247	0	242	0	243	0	236	0	320	0	320	0	-4	2	0	0	0	0	0	340	2	0	0	0	0	0	0	0	0	0	0	0	53	0
2000	236	0	231	0	233	0	234	0	320	0	320	0	2	5	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	53	0
2100	240	0	233	0	252	0	247	0	320	0	320	0	13	16	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	0	53	0
2200	235	0	229	0	243	0	242	0	320	0	320	0	9	13	0	0	0	0	0	385	2	0	0	0	0	0	0	0	0	0	0	0	53	0
2300	239	0	227	0	245	0	240	0	320	0	320	0	11	13	0	0	0	0	0	394	2	0	0	0	0	0	0	0	0	0	0	0	53	0
2400	239	0	227	0	242	0	236	0	320	0	320	0	7	9	0	0	0	0	0	394	2	0	0	0	0	0	0	0	0	0	0	0	53	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	DIR2 50	S	WIND MIN	MAX	DIR3 150A	S	WIND MIN	MAX	DIR4 150B	S	WIND MIN	MAX	DIR5 S	WIND MIN	MAX	DIR6 S
100	45	0	47	0	89	0	99	0	0	0	0	0	136	1	153	122	138	0	158	119	155	0	159	144	97	2	99	93	0	0	0	0	0	0
200	43	0	48	0	84	0	87	0	0	0	0	0	137	1	154	117	140	0	166	112	162	0	167	157	99	2	100	96	0	0	0	0	0	0
300	43	0	49	0	105	0	93	0	0	0	0	0	145	0	163	124	145	0	172	121	177	0	181	171	110	2	111	106	0	0	0	0	0	0
400	54	0	56	0	126	0	109	0	0	0	0	0	159	0	184	130	159	0	185	113	183	0	187	178	119	2	121	115	0	0	0	0	0	0
500	52	0	50	0	109	0	87	0	0	0	0	0	181	0	229	136	191	0	225	125	197	0	210	182	116	2	141	87	0	0	0	0	0	0
600	72	0	69	0	133	0	132	0	0	0	0	0	207	0	258	173	207	0	242	159	225	0	240	209	146	2	186	102	0	0	0	0	0	0
700	136	0	140	0	156	0	165	0	0	0	0	0	275	0	305	247	270	0	304	235	288	0	317	252	277	2	346	181	0	0	0	0	0	0
800	129	0	131	0	157	0	157	0	0	0	0	0	281	0	321	251	275	0	312	237	287	0	313	259	286	2	354	187	0	0	0	0	0	0
900	201	0	193	0	237	0	245	0	0	0	0	0	297	0	313	281	290	0	310	270	303	0	314	286	301	2	323	236	0	0	0	0	0	0
1000	145	0	144	0	172	0	179	0	0	0	0	0	299	0	317	273	291	0	325	226	303	0	317	263	320	2	84	275	0	0	0	0	0	0
1100	134	0	131	0	165	0	170	0	0	0	0	0	292	0	320	273	293	0	331	262	306	0	328	264	325	2	11	303	0	0	0	0	0	0
1200	117	0	122	0	131	0	138	0	0	0	0	0	269	0	322	236	266	0	314	227	281	0	335	249	265	2	347	185	0	0	0	0	0	0
1300	152	0	158	0	165	0	170	0	0	0	0	0	266	0	291	225	262	0	294	217	277	0	307	244	251	2	336	198	0	0	0	0	0	0
1400	145	0	155	0	185	0	192	0	0	0	0	0	265	0	289	229	263	0	293	229	265	0	286	241	221	2	265	189	0	0	0	0	0	0
1500	130	0	135	0	159	0	169	0	0	0	0	0	249	0	275	222	245	0	297	205	249	0	273	227	194	2	242	105	0	0	0	0	0	0
1600	111	0	115	0	142	0	149	0	0	0	0	0	246	0	291	218	243	0	305	199	247	0	263	224	171	2	214	95	0	0	0	0	0	0
1700	50	0	48	0	92	0	81	0	0	0	0	0	183	0	262	115	183	0	255	97	194	0	232	157	112	2	143	89	0	0	0	0	0	0
1800	50	0	44	0	83	0	75	0	0	0	0	0	205	0	253	154	199	0	252	107	207	0	240	184	109	2	134	85	0	0	0	0	0	0
1900	69	0	62	0	96	0	90	0	0	0	0	0	224	0	352	184	219	0	269	175	219	0	246	192	120	2	168	80	0	0	0	0	0	0
2000	35	0	32	0	65	0	56	0	0	0	0	0	202	0	249	163	201	0	254	133	207	0	231	187	97	2	108	85	0	0	0	0	0	0
2100	55	0	48	0	82	0	84	0	0	0	0	0	220	0	255	193	218	0	263	180	227	0	246	203	109	2	136	87	0	0	0	0	0	0
2200	57	0	50	0	109	0	89	0	0	0	0	0	192	0	253	102	195	0	269	113	199	0	216	164	117	2	145	85	0	0	0	0	0	0
2300	53	0	51	0	83	0	81	0	0	0	0	0	165	0	214	101	166	0	223	118	180	0	204	140	105	2	125	89	0	0	0	0	0	0
2400	72	0	73	0	115	0	116	0	0	0	0	0	150	0	175	123	151	0	233	129	166	0	189	150	111	2	129	93	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	231	0	224	0	239	0	231	0	320	0	320	0	4	0	5	0	0	0	0	0	394	2	0	0	0	0	0	0	0	0	0	0	53	0
200	231	0	232	0	229	0	225	0	320	0	320	0	0	0	2	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	53	0
300	222	0	215	0	238	0	234	0	320	0	320	0	16	0	20	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	53	0
400	222	0	213	0	243	0	240	0	320	0	320	0	23	0	25	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	53	0
500	227	0	222	0	242	0	238	0	320	0	320	0	14	0	16	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	53	0
600	247	0	240	0	263	0	258	0	320	0	320	0	14	0	18	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	53	0
700	312	0	305	0	303	0	297	0	320	0	320	0	-9	0	-7	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	53	0
800	305	0	299	0	297	0	292	0	320	0	320	0	-9	0	-7	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	53	0
900	295	0	238	0	285	0	281	0	320	0	320	0	-11	0	-9	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	54	0
1000	274	0	270	0	265	0	261	0	320	0	320	0	-11	0	-9	0	0	0	0	0	410	2	0	0	0	0	0	0	0	0	0	0	54	0
1100	265	0	279	0	272	0	267	0	320	0	320	0	-13	0	-11	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	54	0
1200	285	0	279	0	276	0	270	0	320	0	320	0	-11	0	-9	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	54	0
1300	292	0	295	0	281	0	276	0	320	0	320	0	-11	0	-9	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	54	0
1400	294	0	287	0	281	0	278	0	320	0	320	0	-13	0	-11	0	0	0	0	0	401	2	0	0	0	0	0	0	0	0	0	0	54	0
1500	287	0	279	0	272	0	269	0	320	0	320	0	-14	0	-11	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	54	0
1600	285	0	279	0	276	0	270	0	320	0	320	0	-9	0	-9	0	0	0	0	0	444	2	0	0	0	0	0	0	0	0	0	0	54	0
1700	261	0	264	0	252	0	247	0	320	0	320	0	-9	0	-5	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	54	0
1800	236	0	229	0	227	0	222	0	320	0	320	0	-9	0	-7	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	54	0
1900	231	0	222	0	220	0	215	0	320	0	320	0	-9	0	-7	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	54	0
2000	229	0	222	0	220	0	215	0	320	0	320	0	-9	0	-7	0	0	0	0	0	351	2	0	0	0	0	0	0	0	0	0	0	54	0
2100	229	0	220	0	223	0	216	0	320	0	320	0	-7	0	-4	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	54	0
2200	213	0	209	0	206	0	202	0	320	0	320	0	-11	0	-9	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	54	0
2300	205	0	198	0	195	0	189	0	320	0	320	0	-11	0	-9	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	54	0
2400	197	0	189	0	186	0	182	0	320	0	320	0	-9	0	-7	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	54	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	63	0	72	0	56	0	100	0	0	0	0	0	127	0	144	108	128	0	147	104	141	0	158	129	96	2	106	19	0	0	0	0	0	0	0	0
200	67	0	69	0	82	0	87	0	0	0	0	0	129	0	138	99	121	0	148	86	130	0	147	113	90	2	102	84	0	0	0	0	0	0	0	0
300	59	0	53	0	83	0	83	0	0	0	0	0	122	0	137	109	123	0	139	104	135	0	144	119	91	2	97	85	0	0	0	0	0	0	0	0
400	60	0	88	0	105	0	107	0	0	0	0	0	119	0	128	91	111	0	136	91	118	0	137	98	98	2	96	94	0	0	0	0	0	0	0	0
500	82	0	90	0	127	0	134	0	0	0	0	0	129	0	137	113	120	0	148	111	136	0	150	110	79	2	109	83	0	0	0	0	0	0	0	0
600	103	0	110	0	155	0	157	0	0	0	0	0	129	0	149	117	133	0	157	108	141	0	153	131	105	2	116	99	0	0	0	0	0	0	0	0
700	101	0	106	0	132	0	140	0	0	0	0	0	123	0	134	109	125	0	150	110	135	0	151	129	99	2	102	82	0	0	0	0	0	0	0	0
800	85	0	88	0	123	0	126	0	0	0	0	0	129	0	145	109	133	0	157	104	140	0	154	125	100	2	113	87	0	0	0	0	0	0	0	0
900	69	0	71	0	105	0	113	0	0	0	0	0	133	0	156	106	133	0	155	113	149	0	161	130	101	2	108	86	0	0	0	0	0	0	0	0
1000	52	0	53	0	62	0	65	0	0	0	0	0	122	0	143	110	124	0	146	98	137	0	154	119	88	2	95	85	0	0	0	0	0	0	0	0
1100	41	0	42	0	49	0	41	0	0	0	0	0	111	0	129	90	111	0	133	66	121	0	141	93	85	2	88	84	0	0	0	0	0	0	0	0
1200	31	0	33	0	53	0	35	0	0	0	0	0	104	0	144	64	102	0	144	49	103	0	130	77	84	2	90	84	0	0	0	0	0	0	0	0
1300	25	0	29	0	36	0	36	0	0	0	0	0	65	0	93	16	59	3	96	1	40	0	73	12	76	2	80	70	0	0	0	0	0	0	0	0
1400	45	0	46	0	65	0	65	0	0	0	0	0	24	0	55	320	18	0	65	317	12	0	68	338	62	2	78	41	0	0	0	0	0	0	0	0
1500	63	0	67	0	77	0	77	0	0	0	0	0	35	0	55	6	39	0	77	354	35	0	62	14	65	2	77	45	0	0	0	0	0	0	0	0
1600	65	0	69	0	127	0	132	0	0	0	0	0	147	0	183	122	149	0	181	121	160	0	165	156	145	2	150	142	0	0	0	0	0	0	0	0
1700	57	0	52	0	72	0	81	0	0	0	0	0	75	0	99	47	79	0	100	45	72	0	90	56	54	2	75	5	0	0	0	0	0	0	0	0
1800	59	0	61	0	79	0	76	0	0	0	0	0	26	0	54	348	20	0	58	345	19	0	55	347	61	2	79	43	0	0	0	0	0	0	0	0
1900	65	0	66	0	76	0	79	0	0	0	0	0	39	0	75	10	33	0	75	2	43	0	97	29	67	2	78	47	0	0	0	0	0	0	0	0
2000	69	0	68	0	95	0	94	0	0	0	0	0	91	0	101	79	89	0	104	73	86	0	90	79	69	2	76	58	0	0	0	0	0	0	0	0
2100	61	0	63	0	45	0	59	0	0	0	0	0	121	0	134	106	122	0	141	103	113	0	120	106	98	2	107	90	0	0	0	0	0	0	0	0
2200	64	0	67	0	82	0	87	0	0	0	0	0	130	0	138	122	131	0	141	115	139	0	137	127	120	2	122	113	0	0	0	0	0	0	0	0
2300	57	0	57	0	112	0	115	0	0	0	0	0	141	0	169	123	131	0	164	119	159	0	159	148	140	2	144	134	0	0	0	0	0	0	0	0
2400	72	0	73	0	151	0	157	0	0	0	0	0	158	0	166	134	157	0	203	119	170	0	176	163	156	2	160	151	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 190A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	193	0	191	0	191	0	188	0	320	0	320	0	-7	0	-5	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
200	207	0	196	0	197	0	193	0	320	0	320	0	-9	0	-7	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
300	215	0	207	0	205	0	202	0	320	0	320	0	-7	0	-5	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
400	220	0	211	0	211	0	207	0	320	0	320	0	-7	0	-5	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
500	231	0	224	0	225	0	222	0	320	0	320	0	-5	0	-4	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
600	245	0	238	0	238	0	234	0	320	0	320	0	-7	0	-5	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
700	252	0	245	0	245	0	240	0	320	0	320	0	-7	0	-5	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
800	256	0	249	0	249	0	245	0	320	0	320	0	-7	0	-5	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
900	263	0	256	0	253	0	252	0	320	0	320	0	-5	0	-4	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1000	275	0	269	0	265	0	261	0	320	0	320	0	-2	0	-7	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1100	287	0	281	0	279	0	274	0	320	0	320	0	-9	0	-7	0	0	0	0	0	412	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1200	297	0	292	0	288	0	283	0	320	0	320	0	-9	0	-9	0	0	0	0	0	342	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1300	313	0	305	0	305	0	303	0	320	0	320	0	-4	0	-4	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1400	320	0	312	0	314	0	309	0	320	0	320	0	-9	0	-7	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1500	317	0	308	0	305	0	303	0	320	0	320	0	-9	0	-7	0	0	0	0	0	412	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1600	247	0	240	0	243	0	240	0	320	0	320	0	15	0	18	0	0	0	0	0	390	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1700	287	0	279	0	277	0	274	0	320	0	320	0	-7	0	-5	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1800	322	0	312	0	312	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1900	315	0	308	0	305	0	301	0	320	0	320	0	-9	0	-7	0	0	0	0	0	525	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
2000	270	0	261	0	272	0	267	0	320	0	320	0	2	0	5	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
2100	264	0	249	0	267	0	261	0	320	0	320	0	9	0	13	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
2200	255	0	247	0	267	0	261	0	320	0	320	0	11	0	13	0	0	0	0	0	385	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
2300	249	0	242	0	263	0	261	0	320	0	320	0	16	0	18	0	0	0	0	0	340	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0
2400	245	0	238	0	258	0	254	0	320	0	320	0	13	0	14	0	0	0	0	0	385	2	0	0	0	0	0	0	0	0	0	0	0	0	54	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S 50 A S	WIND DIR1	WIND DIR2 MIN 50 A S	MAX 50 A S	WIND DIR3 MIN 150A S	MAX 150A S	WIND DIR4 MIN 150B S	MAX 150B S	WIND DIR5 MIN S	MAX S	WIND DIR6 MIN S	MAX S
100	72 0	75 0	138 0	137 0	0 0	0 0	152 0	184	132	152 0	180 115	172 0	186 160	159 2	168 148	0 0	0 0
200	42 0	44 0	105 0	94 0	0 0	0 0	158 0	204	122	167 0	246 124	181 0	192 164	167 2	185 145	0 0	0 0
300	54 0	57 0	93 0	81 0	0 0	0 0	134 0	156	116	136 0	155 114	187 0	209 157	173 2	196 150	0 0	0 0
400	59 0	61 0	95 0	82 0	0 0	0 0	134 0	154	116	135 0	153 115	181 0	204 159	168 2	185 145	0 0	0 0
500	56 0	60 0	100 0	84 0	0 0	0 0	149 0	173	125	152 0	198 121	182 0	205 146	170 2	204 149	0 0	0 0
600	47 0	50 0	94 0	80 0	0 0	0 0	146 0	163	124	148 0	179 116	202 0	215 178	189 2	211 154	0 0	0 0
700	46 0	48 0	93 0	82 0	0 0	0 0	171 0	215	127	167 0	238 102	189 0	204 169	175 0	186 158	0 0	0 0
800	34 0	39 0	74 0	67 0	0 0	0 0	161 0	243	123	157 0	218 113	181 0	204 153	169 0	189 150	0 0	0 0
900	32 0	44 0	68 0	63 0	0 0	0 0	143 0	176	117	144 0	193 111	160 0	197 137	150 0	170 126	0 0	0 0
1000	37 0	45 0	81 0	63 0	0 0	0 0	157 0	175	102	138 0	175 104	157 0	175 119	147 0	175 132	0 0	0 0
1100	43 0	56 0	79 0	73 0	0 0	0 0	139 0	186	107	140 0	193 94	159 0	180 130	149 0	178 117	0 0	0 0
1200	53 0	51 0	80 0	62 0	0 0	0 0	129 0	146	113	132 0	155 111	145 0	158 123	136 0	153 115	0 0	0 0
1300	47 0	51 0	90 0	43 0	0 0	0 0	122 0	139	93	125 0	142 99	115 0	134 96	105 0	125 81	0 0	0 0
1400	87 0	94 0	79 0	81 0	0 0	0 0	128 0	165	108	131 0	173 100	136 0	153 113	125 0	146 108	0 0	0 0
1500	112 0	116 0	128 0	137 0	0 0	0 0	118 0	138	99	121 0	151 97	131 0	152 116	121 0	147 105	0 0	0 0
1600	144 0	146 0	175 0	152 0	0 0	0 0	118 0	134	98	122 0	152 90	122 0	138 106	112 0	130 90	0 0	0 0
1700	127 0	132 0	162 0	168 0	0 0	0 0	117 0	138	99	117 0	140 92	120 0	131 108	108 0	123 95	0 0	0 0
1800	149 0	150 0	191 0	193 0	0 0	0 0	118 0	131	102	121 0	137 97	120 0	131 99	110 0	123 96	0 0	0 0
1900	143 0	150 0	189 0	193 0	0 0	0 0	115 0	131	94	117 0	148 88	121 0	145 101	109 0	136 87	0 0	0 0
2000	193 0	197 0	242 0	249 0	0 0	0 0	116 0	129	99	118 0	136 87	120 0	136 101	109 0	123 90	0 0	0 0
2100	176 0	178 0	212 0	223 0	0 0	0 0	114 0	129	89	116 0	137 87	117 0	144 95	106 0	130 85	0 0	0 0
2200	213 0	212 0	259 0	263 0	0 0	0 0	119 0	131	92	122 0	149 90	121 0	141 108	110 0	125 95	0 0	0 0
2300	240 0	244 0	283 0	289 0	0 0	0 0	118 0	132	99	122 0	142 98	124 0	140 106	114 0	131 92	0 0	0 0
2400	195 0	198 0	243 0	250 0	0 0	0 0	118 0	136	95	120 0	151 92	120 0	142 99	111 0	135 86	0 0	0 0

	AMB. TEMP1 50 A S	AMB. TEMP2 50 B S	AMB. TEMP3 150A S	AMB. TEMP4 150B S	AMB. TEMP5 S	AMB. TEMP6 S	D.T. 1 1801 S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	242 0	234 0	245 0	242 0	320 0	320 0	5 0	7 0	0 0	0 0	351 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
200	234 0	231 0	242 0	238 0	320 0	320 0	4 0	7 0	0 0	0 0	349 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
300	218 0	211 0	251 0	245 0	320 0	320 0	32 0	34 0	0 0	0 0	342 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
400	193 0	191 0	245 0	242 0	320 0	320 0	47 0	50 0	0 0	0 0	331 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
500	191 0	189 0	209 0	206 0	320 0	320 0	18 0	22 0	0 0	0 0	327 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
600	200 0	193 0	251 0	245 0	320 0	320 0	50 0	52 0	0 0	0 0	331 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
700	204 0	197 0	200 0	195 0	320 0	320 0	-4 0	2 0	0 0	0 0	333 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
800	204 0	197 0	200 0	197 0	320 0	320 0	-4 0	2 0	0 0	0 0	333 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
900	211 0	204 0	202 0	197 0	320 0	320 0	-9 0	-5 0	0 0	0 0	405 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
1000	222 0	215 0	211 0	206 0	320 0	320 0	-11 0	-9 0	0 0	0 0	405 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
1100	236 0	229 0	224 0	220 0	320 0	320 0	-13 0	-11 0	0 0	0 0	405 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
1200	252 0	245 0	243 0	240 0	320 0	320 0	-7 0	-5 0	0 0	0 0	372 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
1300	267 0	261 0	261 0	259 0	320 0	320 0	-5 0	-4 0	0 0	0 0	351 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
1400	292 0	285 0	267 0	263 0	320 0	320 0	-25 0	-22 0	0 0	0 0	343 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
1500	290 0	283 0	275 0	272 0	320 0	320 0	-14 0	-13 0	0 0	0 0	502 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
1600	285 0	278 0	276 0	272 0	320 0	320 0	-9 0	-7 0	0 0	0 0	535 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
1700	281 0	276 0	274 0	269 0	320 0	320 0	-9 0	-7 0	0 0	0 0	523 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
1800	283 0	278 0	276 0	270 0	320 0	320 0	-7 0	-5 0	0 0	0 0	513 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
1900	283 0	278 0	276 0	270 0	320 0	320 0	-7 0	-5 0	0 0	0 0	504 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
2000	281 0	274 0	272 0	267 0	320 0	320 0	-9 0	-7 0	0 0	0 0	381 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
2100	277 0	272 0	274 0	267 0	320 0	320 0	-9 0	-7 0	0 0	0 0	381 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
2200	283 0	276 0	274 0	269 0	320 0	320 0	-9 0	-7 0	0 0	0 0	381 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
2300	299 0	283 0	281 0	279 0	320 0	320 0	-9 0	-7 0	0 0	0 0	379 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0
2400	305 0	297 0	296 0	292 0	320 0	320 0	-9 0	-7 0	0 0	0 0	478 2	0 0	0 0	0 0	0 0	0 0	0 0	54 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 S1 A S	WIND SPD2 S2 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S0 A S	WIND DIR1	MIN	MAX	DIR	WIND DIR2	MIN	MAX	DIR	WIND DIR3	MIN	MAX	DIR	WIND DIR4	MIN	MAX	DIR	WIND DIR5	MIN	MAX	DIR	WIND DIR6			
								S0	S			150	S			150	S			150	S			S				S		
100	224	0	222	0	264	0	224	0	0	0	0	0	120	0	130	102	129	0	143	92	123	0	135	101	115	0	130	98	0	0	0	0	0	3
200	164	0	135	0	186	0	193	0	0	0	0	0	119	0	130	106	122	0	143	91	122	0	138	103	114	0	135	98	0	0	0	0	0	0
300	143	0	140	0	133	0	141	0	0	0	0	0	116	0	122	98	119	0	132	82	121	0	133	108	110	0	130	96	0	0	0	0	0	1
400	139	0	135	0	150	0	137	0	0	0	0	0	116	0	123	96	121	0	141	92	119	0	127	112	105	0	120	89	0	0	0	0	0	0
500	117	0	119	0	103	0	114	0	0	0	0	0	113	0	130	108	121	0	143	100	123	0	125	120	112	0	135	90	0	0	0	0	0	0
600	114	0	118	0	103	0	111	0	0	0	0	0	113	0	130	107	122	0	143	100	123	0	137	109	112	0	135	89	0	0	0	0	0	0
700	115	1	122	0	92	0	109	0	0	0	0	0	113	0	133	103	122	0	140	91	122	0	142	105	119	0	139	97	0	0	0	0	0	0
800	193	0	197	0	99	0	96	0	0	0	0	0	119	0	132	92	122	0	143	87	123	0	144	109	114	0	134	100	0	0	0	0	0	0
900	213	0	214	0	117	0	119	0	0	0	0	0	112	0	123	92	115	0	138	90	114	0	139	96	105	0	124	77	0	0	0	0	0	0
1000	185	0	199	0	253	0	254	0	0	0	0	0	126	0	142	110	131	0	159	107	136	0	154	116	126	0	141	106	0	0	0	0	0	0
1100	207	0	213	0	265	0	269	0	0	0	0	0	112	0	127	95	115	0	141	75	116	0	140	91	106	0	129	79	0	0	0	0	0	0
1200	211	0	205	0	265	0	268	0	0	0	0	0	113	0	128	93	117	0	155	79	115	0	140	96	104	0	124	79	0	0	0	0	0	0
1300	186	0	188	0	224	0	224	0	0	0	0	0	116	0	129	96	119	0	137	94	113	0	133	107	107	0	120	93	0	0	0	0	0	0
1400	197	0	199	0	245	0	246	0	0	0	0	0	114	0	129	95	118	0	137	95	115	0	130	99	104	0	122	81	0	0	0	0	0	0
1500	187	0	184	0	240	0	242	0	0	0	0	0	105	0	127	86	108	0	155	73	107	0	129	92	96	0	113	81	0	0	0	0	0	0
1600	167	0	170	0	208	0	210	0	0	0	0	0	114	0	133	92	118	0	142	83	117	0	139	99	105	0	124	87	0	0	0	0	0	0
1700	192	0	192	0	173	0	132	0	0	0	0	0	117	0	138	98	119	0	147	94	122	0	147	104	111	0	131	93	0	0	0	0	0	0
1800	166	0	170	0	208	0	213	0	0	0	0	0	118	0	131	101	120	0	143	97	122	0	139	103	112	0	127	93	0	0	0	0	0	0
1900	164	0	171	0	202	0	216	0	0	0	0	0	123	0	130	111	124	0	140	93	121	0	148	120	121	0	136	107	0	0	0	0	0	0
2000	93	0	103	0	152	0	154	0	0	0	0	0	131	0	161	116	135	0	171	114	141	0	160	123	131	0	153	113	0	0	0	0	0	0
2100	91	0	105	0	162	0	167	0	0	0	0	0	140	0	157	122	143	0	164	127	154	0	165	139	144	0	155	132	0	0	0	0	0	0
2200	83	0	35	0	153	0	155	0	0	0	0	0	147	0	166	129	149	0	180	123	168	0	182	154	156	0	169	142	0	0	0	0	0	0
2300	47	0	47	0	118	0	125	0	0	0	0	0	175	0	232	110	178	0	262	98	183	0	221	163	176	0	204	157	0	0	0	0	0	0
2400	65	0	60	0	115	0	114	0	0	0	0	0	219	0	246	176	217	0	248	166	230	0	255	205	217	0	240	181	0	0	0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 190A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	315	0	308	0	306	0	303	0	321	0	320	0	-7	0	-5	0	0 0	0 0	392 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	54 0
200	322	0	310	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0 0	0 0	446 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	55 0
300	320	0	312	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0 0	0 0	370 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	57 0
400	322	0	314	0	314	0	310	0	320	0	320	0	-7	0	-5	0	0 0	0 0	419 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	58 0
500	325	0	322	0	317	0	312	0	320	0	320	0	-7	0	-5	0	0 0	0 0	345 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	60 0
600	327	0	322	0	320	0	314	0	320	0	320	0	-9	0	-7	0	0 0	0 0	385 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	62 0
700	331	0	325	0	322	0	317	0	320	0	320	0	-11	0	-9	0	0 0	0 0	415 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	63 0
800	333	0	329	0	327	0	322	0	320	0	320	0	-9	0	-7	0	0 0	0 0	415 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	63 0
900	334	0	329	0	327	0	324	0	320	0	320	0	-7	0	-5	0	0 0	0 0	417 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	63 0
1000	340	0	331	0	333	0	329	0	320	0	320	0	-7	0	-5	0	0 0	0 0	421 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	63 0
1100	343	0	336	0	336	0	331	0	320	0	320	0	-7	0	-5	0	0 0	0 0	401 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	63 0
1200	352	0	345	0	343	0	340	0	321	0	320	0	-7	0	-5	0	0 0	0 0	399 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	63 0
1300	354	0	345	0	349	0	342	0	320	0	320	0	-7	0	-5	0	0 0	0 0	394 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	63 0
1400	358	0	347	0	349	0	343	0	320	0	320	0	-7	0	-5	0	0 0	0 0	392 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	64 0
1500	354	0	347	0	349	0	343	0	320	0	320	0	-6	0	-4	0	0 0	0 0	390 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	67 0
1600	361	0	351	0	352	0	349	0	321	0	320	0	-6	0	-4	0	0 0	0 0	392 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 0
1700	365	0	356	0	358	0	352	0	320	0	320	0	-5	0	-4	0	0 0	0 0	378 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1800	369	0	361	0	363	0	360	0	320	0	320	0	-5	0	-4	0	0 0	0 0	374 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	90 0
1900	375	0	370	0	372	0	369	0	320	0	320	0	-4	0	-2	0	0 0	0 0	378 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	91 0
2000	381	0	376	0	374	0	374	0	320	0	320	0	-4	0	2	0	0 0	0 0	381 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	92 0
2100	383	0	381	0	385	0	381	0	320	0	320	0	-2	0	0	0	0 0	0 0	387 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	92 0
2200	392	0	385	0	392	0	388	0	320	0	320	0	0	0	2	0	0 0	0 0	383 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	92 0
2300	397	0	390	0	396	0	392	0	320	0	320	0	2	0	2	0	0 0	0 0	390 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	94 0
2400	401	0	401	0	412	0	408	0	320	0	320	0	4	0	5	0	0 0	0 0	396 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	94 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION = TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	DIR4	MIN	MAX	DIR5	MIN	MAX	DIR6	
														50 B S			150A S			150B S			S			S		
100	127	0	134	0	149	0	156	0	0	0	0	0	266	1	291	246	264	0	239	241	277	0	293	264	261	0	274	245	0	0	0	0	0	0
200	118	0	117	0	153	0	155	0	0	0	0	0	295	1	317	283	270	0	315	267	306	0	310	301	287	0	291	281	0	0	0	0	0	0
300	163	0	166	0	197	0	200	0	0	0	0	0	309	1	318	294	303	0	317	280	321	0	326	316	301	0	306	296	0	0	0	0	0	0
400	121	0	131	0	201	0	206	0	0	0	0	0	323	1	354	294	319	0	7	278	338	0	357	322	317	0	343	303	0	0	0	0	0	0
500	151	0	156	0	235	0	241	0	0	0	0	0	332	1	1	302	327	0	27	287	342	0	350	299	321	0	339	285	0	0	0	0	0	0
600	155	0	159	0	236	0	233	0	0	0	0	0	332	1	6	298	329	0	21	272	342	0	353	332	321	0	346	302	0	0	0	0	0	0
700	153	0	159	0	240	0	240	0	0	0	0	0	323	1	359	291	322	0	8	276	341	0	13	332	319	0	350	305	0	0	0	0	0	0
800	173	0	179	0	241	0	235	0	0	0	0	0	340	0	2	316	334	0	4	292	345	0	5	321	324	0	337	299	0	0	0	0	0	0
900	146	0	144	0	215	0	211	0	0	0	0	0	335	0	354	308	329	0	358	294	344	0	1	321	324	0	347	309	0	0	0	0	0	0
1000	120	0	124	0	181	0	180	0	0	0	0	0	327	1	4	296	321	0	18	277	340	0	349	312	319	0	330	303	0	0	0	0	0	0
1100	99	0	104	0	146	0	146	0	0	0	0	0	336	1	11	292	334	0	37	278	345	0	1	310	324	0	347	299	0	0	0	0	0	0
1200	113	0	123	0	174	0	173	0	0	0	0	0	322	0	1	285	319	0	2	278	334	0	340	320	313	0	339	295	0	0	0	0	0	0
1300	123	0	135	0	178	0	176	0	0	0	0	0	337	0	0	301	330	0	358	253	343	0	350	324	322	0	332	307	0	0	0	0	0	0
1400	116	0	124	0	161	0	159	0	0	0	0	0	319	1	351	276	313	0	2	275	331	0	347	316	311	0	336	294	0	0	0	0	0	0
1500	103	0	105	0	143	0	136	0	0	0	0	0	339	1	11	306	333	0	7	296	345	0	1	322	325	0	357	309	0	0	0	0	0	0
1600	85	0	83	0	104	0	102	0	0	0	0	0	332	1	2	291	327	0	356	276	345	0	8	328	325	0	5	308	0	0	0	0	0	0
1700	69	0	71	0	95	0	91	0	0	0	0	0	345	1	24	314	338	0	27	288	357	0	31	333	338	0	95	310	0	0	0	0	0	0
1800	59	0	61	0	81	0	81	0	0	0	0	0	352	1	29	307	348	0	39	290	2	0	33	313	342	0	11	319	0	0	0	0	0	0
1900	45	0	47	0	62	0	62	0	0	0	0	0	27	0	47	10	22	0	48	357	39	0	77	17	21	0	60	350	0	0	0	0	0	0
2000	27	0	33	0	33	0	38	0	0	0	0	0	66	1	134	4	65	0	135	1	64	0	132	5	49	0	150	0	0	0	0	0	0	0
2100	39	0	42	0	55	0	55	0	0	0	0	0	7	0	34	323	0	0	34	306	8	0	31	336	355	0	148	314	0	0	0	0	0	0
2200	26	0	32	0	37	0	41	0	0	0	0	0	49	1	88	2	41	0	92	357	47	0	76	1	29	0	51	343	0	0	0	0	0	0
2300	33	0	36	0	48	0	50	0	0	0	0	0	112	0	149	75	112	0	159	68	116	0	133	85	101	0	129	68	0	0	0	0	0	0
2400	17	0	21	0	25	0	30	0	0	0	0	0	94	0	132	39	91	3	133	13	128	0	162	46	112	3	145	52	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 1904	S	D.T. 2 1809	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	406	0	399	0	399	0	396	0	320	0	320	0	-5	0	-4	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
200	394	0	387	0	390	0	385	0	320	0	320	0	-4	0	2	0	0	0	0	0	390	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
300	401	0	394	0	395	0	392	0	320	0	320	0	-5	0	-4	0	0	0	0	0	394	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
400	397	0	392	0	394	0	388	0	320	0	320	0	-4	0	-4	0	0	0	0	0	390	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
500	392	0	385	0	387	0	383	0	320	0	320	0	-5	0	-4	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
600	385	0	378	0	379	0	376	0	320	0	320	0	-5	0	-4	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
700	379	0	372	0	372	0	369	0	320	0	320	0	-5	0	-4	0	0	0	0	0	373	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
800	370	0	363	0	363	0	360	0	320	0	320	0	-7	0	-5	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
900	367	0	361	0	365	0	358	0	320	0	320	0	-5	0	-5	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1000	365	0	358	0	356	0	351	0	320	0	320	0	-7	0	-7	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1100	367	0	360	0	360	0	352	0	320	0	320	0	-9	0	-7	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1200	367	0	360	0	356	0	352	0	320	0	320	0	-9	0	-7	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1300	367	0	360	0	356	0	352	0	320	0	320	0	-9	0	-7	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1400	363	0	354	0	354	0	349	0	320	0	320	0	-9	0	-7	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1500	360	0	351	0	352	0	345	0	320	0	320	0	-9	0	-7	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1600	360	0	352	0	351	0	345	0	320	0	320	0	-9	0	-7	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1700	356	0	349	0	349	0	342	0	320	0	320	0	-9	0	-7	0	0	0	0	0	335	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1800	349	0	342	0	342	0	336	0	320	0	320	0	-9	0	-7	0	0	0	0	0	459	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1900	343	0	336	0	339	0	339	0	320	0	320	0	-9	0	-7	0	0	0	0	0	331	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
2000	338	0	331	0	331	0	327	0	320	0	320	0	-7	0	-5	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
2100	342	0	333	0	335	0	329	0	320	0	320	0	-7	0	-5	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
2200	342	0	333	0	335	0	329	0	321	0	320	0	-7	0	-5	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
2300	338	0	329	0	331	0	327	0	320	0	320	0	-7	0	-5	0	0	0	0	0	375	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
2400	336	0	329	0	331	0	327	0	320	0	320	0	-5	0	-4	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1		MIN	MAX	DIR2		MIN	MAX	DIR3		MIN	MAX	DIR4		MIN	MAX	DIR5		MIN	MAX	DIR6	
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S			50 A	S			150A	S			150B	S			S				S			
100	31	0	33	0	46	0	47	0	0	0	0	0	102	1	143	90	110	0	147	67	110	0	135	85	95	0	129	69	0	0	0	0	0	0
200	29	0	31	0	36	0	37	0	0	0	0	0	95	0	129	62	97	0	141	64	100	0	135	75	86	0	119	60	0	0	0	0	0	0
300	43	0	33	0	56	1	58	0	0	0	0	0	25	1	101	69	85	0	111	54	97	0	114	32	93	0	107	63	0	0	0	0	0	0
400	59	0	61	0	75	0	80	0	0	0	0	0	74	1	91	56	74	0	101	51	78	0	92	68	62	0	73	54	0	0	0	0	0	0
500	71	0	72	0	93	0	95	0	0	0	0	0	89	0	116	69	91	0	120	57	93	0	119	62	79	0	105	54	0	0	0	0	0	0
600	84	0	86	0	109	0	109	0	0	0	0	0	107	0	129	83	111	0	139	70	110	0	135	86	96	0	118	74	0	0	0	0	0	0
700	75	1	79	0	103	1	105	0	0	0	0	0	112	1	141	89	115	0	143	77	117	0	137	101	105	0	133	85	0	0	0	0	0	0
800	74	0	81	0	93	0	99	0	0	0	0	0	120	0	141	92	123	0	145	86	127	0	151	95	113	0	134	88	0	0	0	0	0	0
900	103	0	106	0	129	1	131	0	0	0	0	0	121	0	149	109	125	0	174	92	123	0	143	116	116	0	137	99	0	0	0	0	0	0
1000	94	0	101	0	111	0	122	0	0	0	0	0	122	0	144	105	126	0	153	96	130	0	144	109	117	0	130	97	0	0	0	0	0	0
1100	65	0	75	0	100	0	102	0	0	0	0	0	131	0	172	102	137	0	190	98	146	0	172	126	133	0	154	108	0	0	0	0	0	0
1200	63	0	71	0	96	0	98	0	0	0	0	0	143	0	183	110	147	0	218	102	154	0	188	127	143	0	177	113	0	0	0	0	0	0
1300	58	0	65	0	78	0	81	0	0	0	0	0	136	0	193	107	138	0	132	102	145	0	173	109	133	0	158	103	0	0	0	0	0	0
1400	77	0	79	0	95	0	97	0	0	0	0	0	115	0	141	86	117	0	154	84	115	0	133	73	104	0	124	52	0	0	0	0	0	0
1500	63	0	67	0	73	0	82	0	0	0	0	0	113	0	141	91	118	0	170	85	122	0	157	103	110	0	135	88	0	0	0	0	0	0
1600	52	0	57	0	66	0	68	0	0	0	0	0	121	0	140	100	125	0	152	96	124	0	144	97	114	0	136	90	0	0	0	0	0	0
1700	56	0	60	0	83	0	82	0	0	0	0	0	92	0	123	74	94	0	127	62	101	0	120	90	88	0	103	68	0	0	0	0	0	0
1800	79	0	82	0	107	0	109	0	0	0	0	0	111	0	123	93	113	0	140	85	115	0	135	100	104	0	125	87	0	0	0	0	0	0
1900	101	0	102	0	128	0	131	0	0	0	0	0	111	0	136	92	116	0	142	88	113	0	125	96	102	0	120	80	0	0	0	0	0	0
2000	80	0	88	0	105	0	111	0	0	0	0	0	124	0	139	110	128	0	145	106	130	0	154	110	119	0	138	102	0	0	0	0	0	0
2100	99	0	85	0	113	0	115	0	0	0	0	0	111	0	129	83	119	0	141	76	116	0	133	97	105	0	120	96	0	0	0	0	0	0
2200	84	0	83	0	114	0	115	0	0	0	0	0	106	0	134	86	110	0	137	74	111	0	126	93	99	0	123	79	0	0	0	0	0	0
2300	75	0	76	0	103	0	101	0	0	0	0	0	105	0	128	86	108	0	138	76	110	0	123	97	98	0	113	82	0	0	0	0	0	0
2400	86	0	87	0	110	0	110	0	0	0	0	0	99	0	129	76	101	0	127	65	101	0	123	86	88	0	113	69	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEM6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	
	30 A	S	30 B	S	150A	S	150B	S		S		S	150A	S	150B	S		S		S		S		S		S		S		S		S		S
100	334	0	327	0	329	0	324	0	329	0	320	0	-7	0	-4	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	94	0
200	335	1	327	0	327	0	322	0	329	0	320	0	-7	0	-5	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	94	0
300	329	0	320	0	320	0	315	0	329	0	320	0	-7	0	-5	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	94	0
400	324	0	315	0	317	0	312	0	329	0	320	0	-5	0	-4	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	94	0
500	320	0	312	0	310	0	305	0	329	0	320	0	-9	0	-7	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	94	0
600	314	0	306	0	305	0	301	0	329	0	320	0	-9	0	-7	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	94	0
700	314	0	306	0	305	0	301	0	329	0	320	0	-9	0	-7	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	94	0
800	312	0	305	0	303	1	297	0	329	0	320	0	-9	0	-7	0	0	0	0	0	336	2	0	0	0	0	0	0	0	0	0	0	94	0
900	312	0	305	0	303	0	299	0	329	0	320	0	-9	0	-7	0	0	0	0	0	322	2	0	0	0	0	0	0	0	0	0	0	94	0
1000	320	0	312	0	310	0	305	0	329	0	320	0	-9	0	-7	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	94	0
1100	327	0	320	0	317	0	310	0	329	0	320	0	-11	0	-9	0	0	0	0	0	432	2	0	0	0	0	0	0	0	0	0	0	94	0
1200	329	0	322	0	322	0	314	0	329	0	320	0	-11	0	-9	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	94	0
1300	331	0	325	0	322	0	317	0	329	0	320	0	-11	0	-9	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	94	0
1400	331	0	329	0	324	1	315	0	329	0	320	0	-11	0	-9	0	0	0	0	0	384	2	0	0	0	0	0	0	0	0	0	0	94	0
1500	331	0	325	0	322	0	317	0	329	0	320	0	-9	0	-7	0	0	0	0	0	385	2	0	0	0	0	0	0	0	0	0	0	94	0
1600	336	0	329	0	327	0	322	0	329	0	320	0	-9	0	-7	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	94	0
1700	336	0	329	0	329	0	324	0	329	0	320	0	-7	0	-7	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	94	0
1800	333	0	331	0	331	0	327	0	329	0	320	0	-7	0	-5	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	94	0
1900	336	0	331	0	329	0	324	0	329	0	320	0	-7	0	-7	0	0	0	0	0	520	2	0	0	0	0	0	0	0	0	0	0	94	0
2000	331	0	325	0	324	0	322	0	329	0	320	0	-9	0	-7	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	94	0
2100	329	0	322	0	320	0	315	0	329	0	320	0	-9	0	-7	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	94	0
2200	324	0	317	0	315	0	310	0	329	0	320	0	-9	0	-7	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	94	0
2300	322	0	314	0	312	0	309	0	329	0	320	0	-9	0	-7	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	94	0
2400	320	0	312	0	310	0	306	0	329	0	320	0	-9	0	-7	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	94	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	97	0	98	0	120	0	121	0	0	0	0	0	104	0	132	89	110	0	149	79	110	0	128	91	98	0	113	79	0	0	0	0	0	0	0	0
200	103	0	101	0	133	0	133	0	0	0	0	0	104	0	125	86	105	0	153	79	106	0	125	89	94	0	113	67	0	0	0	0	0	0	0	0
300	109	0	107	0	121	0	118	0	0	0	0	0	101	0	126	80	102	0	139	70	105	0	125	99	91	0	110	75	0	0	0	0	0	0	0	0
400	111	0	111	0	145	0	145	0	0	0	0	0	107	0	134	91	108	0	148	77	109	0	123	92	98	0	114	81	0	0	0	0	0	0	0	0
500	132	0	139	0	192	0	192	0	0	0	0	0	92	0	120	77	101	0	134	63	102	0	123	83	90	0	117	66	0	0	0	0	0	0	0	0
600	143	0	144	0	186	0	186	0	0	0	0	0	109	0	130	94	109	0	138	85	112	0	129	92	100	0	118	84	0	0	0	0	0	0	0	0
700	130	0	129	0	157	0	161	0	0	0	0	0	113	0	133	93	122	0	150	93	122	0	141	106	111	0	127	96	0	0	0	0	0	0	0	0
800	111	0	109	0	141	0	144	0	0	0	0	0	110	0	130	87	112	0	154	81	116	0	135	105	104	0	124	89	0	0	0	0	0	0	0	0
900	111	0	112	0	149	0	152	0	0	0	0	0	111	0	123	94	113	0	141	86	117	0	131	100	106	0	124	90	0	0	0	0	0	0	0	0
1000	97	0	99	0	137	0	135	0	0	0	0	0	106	0	125	87	109	0	141	81	110	0	123	90	99	0	109	82	0	0	0	0	0	0	0	0
1100	111	0	115	0	137	0	139	0	0	0	0	0	114	0	130	96	117	0	137	93	119	0	146	95	108	0	127	79	0	0	0	0	0	0	0	0
1200	109	0	110	0	145	0	144	0	0	0	0	0	113	0	129	90	116	0	140	87	118	0	134	103	106	0	126	91	0	0	0	0	0	0	0	0
1300	105	0	139	0	129	0	134	0	0	0	0	0	115	0	136	97	119	0	152	86	122	0	136	103	111	0	124	97	0	0	0	0	0	0	0	0
1400	113	0	117	0	137	0	139	0	0	0	0	0	113	0	131	95	117	0	138	93	118	0	129	107	106	0	120	79	0	0	0	0	0	0	0	0
1500	101	0	109	0	126	0	135	0	0	0	0	0	124	0	137	111	129	0	150	110	132	0	146	120	121	0	141	109	0	0	0	0	0	0	0	0
1600	65	0	73	0	105	0	106	0	0	0	0	0	132	0	158	114	137	0	165	105	148	0	165	132	136	0	153	118	0	0	0	0	0	0	0	0
1700	83	0	78	0	134	0	112	0	0	0	0	0	211	0	252	146	209	0	269	126	209	0	229	184	197	0	218	169	0	0	0	00	0	0	0	0
1800	126	0	114	0	163	0	174	0	0	0	0	0	221	0	256	111	222	0	264	89	224	0	250	196	210	0	235	187	0	0	0	0	0	0	0	0
1900	116	0	105	0	169	0	154	0	0	0	0	0	223	0	265	173	222	0	269	159	219	0	247	186	205	0	230	152	0	0	0	0	0	0	0	0
2000	145	0	150	0	208	0	192	0	0	0	0	0	222	0	249	198	220	0	255	171	222	0	244	174	208	0	230	168	0	0	0	0	0	0	0	0
2100	150	0	136	0	204	0	187	0	0	0	0	0	223	0	250	193	225	0	303	185	222	0	247	196	208	0	230	134	0	0	0	0	0	0	0	0
2200	167	0	153	0	222	0	204	0	0	0	0	0	224	0	273	192	223	0	294	181	226	0	253	204	211	0	247	185	0	0	0	0	0	0	0	0
2300	147	0	132	0	219	0	201	0	0	0	0	0	219	0	252	179	220	0	306	180	218	0	248	188	203	0	231	168	0	0	0	0	0	0	0	0
2400	159	0	143	0	224	0	206	0	0	0	0	0	225	0	299	192	226	0	274	180	224	0	266	185	208	0	244	167	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	322	0	310	0	310	0	305	0	320	0	320	0	-9	0	-7	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
200	322	0	310	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
300	322	0	314	0	312	0	308	0	320	0	320	0	-7	0	-5	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
400	327	0	320	0	322	0	314	0	320	0	320	0	-9	0	-5	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
500	331	0	324	0	324	0	322	0	320	0	320	0	-7	0	-5	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
600	334	0	329	0	327	0	322	0	320	0	320	0	-9	0	-7	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
700	340	0	333	0	331	0	327	0	320	0	320	0	-9	0	-7	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
800	343	0	336	0	335	0	331	0	320	0	320	0	-7	0	-5	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	96	0
900	345	0	336	0	334	0	331	0	320	0	320	0	-9	0	-7	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	97	0
1000	333	0	327	0	327	0	322	0	320	0	320	0	-7	0	-5	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1100	342	0	334	0	333	0	329	0	320	0	320	0	-9	0	-7	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	102	0
1200	343	0	336	0	335	0	329	0	320	0	320	0	-11	0	-9	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	106	0
1300	329	0	322	0	320	0	315	0	320	0	320	0	-9	0	-7	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	109	0
1400	329	0	320	0	320	0	314	0	320	0	320	0	-9	0	-7	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	112	0
1500	342	0	334	0	333	0	329	0	320	0	320	0	-9	0	-7	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1600	351	0	343	0	343	0	338	0	320	0	320	0	-7	0	-5	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1700	365	0	356	0	354	0	352	0	320	0	320	0	-5	0	-5	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1800	343	0	336	0	334	0	335	0	320	0	320	0	-5	0	-4	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1900	329	0	324	0	324	0	322	0	320	0	320	0	-7	0	-5	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2000	306	0	299	0	296	0	292	0	320	0	320	0	-9	0	-7	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2100	288	0	281	0	279	0	276	0	320	0	320	0	-7	0	-7	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2200	267	0	258	0	254	0	252	0	320	0	320	0	-9	0	-7	0	0	0	0	0	315	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2300	247	0	240	0	238	0	233	0	320	0	320	0	-9	0	-7	0	0	0	0	0	305	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2400	236	0	229	0	225	0	222	0	320	0	320	0	-11	0	-7	0	0	0	0	0	404	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 C	A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	MIN	MAX
100	162	0	156	0	233	0	228	0	0	0	0	0	0	225	1	261	186	226	0	268	170	227	0	276	191	211	0	235	187	0	0	0	0	0	0
200	139	0	119	0	191	0	170	0	0	0	0	0	0	216	1	250	94	216	0	261	115	214	0	242	180	199	0	226	158	0	0	0	0	0	0
300	148	0	125	0	216	0	129	0	0	0	0	0	0	216	1	264	130	217	0	263	135	218	0	256	177	205	0	239	169	0	0	0	0	0	0
400	133	0	123	0	202	0	191	0	0	0	0	0	0	221	0	247	107	226	0	276	195	223	0	257	185	209	0	241	181	0	0	0	0	0	0
500	123	0	114	0	184	0	164	0	0	0	0	0	0	218	0	268	170	218	0	266	163	217	0	241	181	204	0	237	169	0	0	0	0	0	0
600	121	0	109	0	171	0	154	0	0	0	0	0	0	225	0	281	180	228	0	295	137	219	0	251	193	205	0	241	181	0	0	0	0	0	0
700	132	0	124	0	201	0	186	0	0	0	0	0	0	221	0	260	157	222	0	261	136	222	0	257	188	208	0	236	179	0	0	0	0	0	0
800	112	0	97	0	165	0	147	0	0	0	0	0	0	219	0	247	166	219	0	265	131	216	0	241	176	200	0	225	154	0	0	0	0	0	0
900	101	0	89	0	144	0	135	0	0	0	0	0	0	213	1	259	163	214	0	261	155	213	0	238	187	199	0	220	172	0	0	0	0	0	0
1000	91	0	87	0	146	0	126	0	0	0	0	0	0	209	1	257	119	208	0	255	125	211	0	242	159	197	0	221	145	0	0	0	0	0	0
1100	82	0	74	0	142	0	116	0	0	0	0	0	0	202	1	262	150	199	0	269	119	204	0	225	172	190	0	212	149	0	0	0	0	0	0
1200	74	0	66	0	117	0	102	0	0	0	0	0	0	209	1	263	114	205	0	262	135	206	0	250	127	190	0	231	145	0	0	0	0	0	0
1300	93	0	81	0	140	0	126	0	0	0	0	0	0	205	1	268	93	206	0	254	105	212	0	254	180	197	0	230	152	0	0	0	0	0	0
1400	109	0	101	0	152	0	142	0	0	0	0	0	0	222	0	273	181	225	0	337	189	220	0	251	158	208	0	256	169	0	0	0	0	0	0
1500	117	0	109	0	167	0	155	0	0	0	0	0	0	222	1	256	172	221	0	259	163	224	0	251	196	210	0	233	180	0	0	0	0	0	0
1600	121	0	105	0	176	0	164	0	0	0	0	0	0	222	1	253	189	221	0	262	187	221	0	257	188	208	0	232	180	0	0	0	0	0	0
1700	119	0	104	0	155	0	145	0	0	0	0	0	0	221	1	253	165	218	0	252	170	223	0	248	190	210	0	235	168	0	0	0	0	0	0
1800	213	0	227	0	309	0	321	0	0	0	0	0	0	243	1	267	229	247	0	281	222	249	0	265	216	235	0	249	207	0	0	0	0	0	0
1900	177	0	185	0	240	0	250	0	0	0	0	0	0	241	1	272	206	238	0	290	194	242	0	269	202	227	0	260	202	0	0	0	0	0	0
2000	175	0	174	0	264	0	262	0	0	0	0	0	0	241	0	274	215	240	0	300	204	242	0	270	219	227	0	256	201	0	0	0	0	0	0
2100	156	0	153	0	242	0	214	0	0	0	0	0	0	240	1	285	203	239	0	288	186	241	0	279	210	226	0	260	187	0	0	0	0	0	0
2200	129	0	122	0	178	0	171	0	0	0	0	0	0	223	1	275	183	226	0	261	173	229	0	260	199	214	0	243	194	0	0	0	0	0	0
2300	115	0	106	0	166	0	161	0	0	0	0	0	0	227	0	280	184	227	0	302	194	228	0	260	196	216	0	246	176	0	0	0	0	0	0
2400	137	0	133	0	206	0	211	0	0	0	0	0	0	233	0	275	208	232	0	299	197	236	0	265	211	220	0	247	193	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN	S
100	225	0	218	0	215	0	211	0	320	0	320	0	-9	-7	0	0	338	2	0	0	0	0	0	115	0
200	223	0	213	0	211	0	206	0	320	0	320	0	-11	-7	0	0	315	2	0	0	0	0	0	115	0
300	222	0	213	0	211	0	207	0	320	0	320	0	-9	-7	0	0	349	2	0	0	0	0	0	115	0
400	224	0	216	0	215	0	211	0	320	0	320	0	-9	-7	0	0	405	2	0	0	0	0	0	115	0
500	227	0	222	0	220	0	215	0	320	0	320	0	-9	-7	0	0	396	2	0	0	0	0	0	115	0
600	236	0	229	0	227	0	224	0	320	0	320	0	-9	-7	0	0	464	2	0	0	0	0	0	115	0
700	242	0	234	0	233	0	229	0	320	0	320	0	-9	-5	0	0	430	2	0	0	0	0	0	115	0
800	242	0	233	0	233	0	229	0	320	0	320	0	-9	-7	0	0	423	2	0	0	0	0	0	115	0
900	240	0	233	0	233	0	227	0	320	0	320	0	-9	-7	0	0	392	2	0	0	0	0	0	115	0
1000	240	0	233	0	229	0	225	0	320	0	320	0	-11	-7	0	0	367	2	0	0	0	0	0	115	0
1100	249	0	242	0	234	0	231	0	320	0	320	0	-14	-13	0	0	475	2	0	0	0	0	0	115	0
1200	261	0	252	0	242	0	236	0	320	0	320	0	-19	-14	0	0	383	2	0	0	0	0	0	116	0
1300	269	0	261	0	252	0	247	0	320	0	320	0	-16	-13	0	0	345	2	0	0	0	0	0	116	0
1400	273	0	270	0	261	0	259	0	320	0	320	0	-14	-13	0	0	401	2	0	0	0	0	0	116	0
1500	273	0	270	0	267	0	263	0	320	0	320	0	-11	-7	0	0	354	2	0	0	0	0	0	116	0
1600	277	0	272	0	270	0	267	0	320	0	320	0	-9	-7	0	0	338	2	0	0	0	0	0	116	0
1700	285	0	279	0	276	0	274	0	320	0	320	0	-7	-5	0	0	351	2	0	0	0	0	0	116	0
1800	303	0	296	0	294	0	290	0	320	0	320	0	-9	-7	0	0	392	2	0	0	0	0	0	116	0
1900	287	0	281	0	278	0	272	0	320	0	320	0	-11	-9	0	0	360	2	0	0	0	0	0	116	0
2000	269	0	261	0	260	0	254	0	320	0	320	0	-9	-7	0	0	345	2	0	0	0	0	0	116	0
2100	256	0	249	0	245	0	240	0	320	0	320	0	-11	-9	0	0	363	2	0	0	0	0	0	116	0
2200	239	0	225	0	224	1	218	0	320	0	320	0	-11	-7	0	0	351	2	0	0	0	0	0	116	0
2300	231	0	222	0	220	0	216	0	320	0	320	0	-9	-7	0	0	385	2	0	0	0	0	0	116	0
2400	235	0	231	0	227	0	224	0	320	0	320	0	-11	-7	0	0	370	2	0	0	0	0	0	116	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND MIN 50 B S	WIND MAX 50 B S	WIND DIR2	WIND MIN 150A S	WIND MAX 150A S	WIND DIR3	WIND MIN 150B S	WIND MAX 150B S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6
100	145 0	141 0	191 0	196 0	0 0	0 0	234 0	208	188	234 0	267	187	238 0	267	205	221 0	258	197	0 0	0	0	0
200	126 0	116 0	182 0	179 0	0 0	0 0	224 0	266	164	226 0	274	180	229 0	258	203	213 0	251	185	0 0	0	0	0
300	125 0	116 0	177 1	175 0	0 0	0 0	225 0	262	195	225 0	268	188	230 0	263	193	215 0	253	195	0 0	0	0	0
400	132 0	135 0	193 0	197 0	0 0	0 0	244 0	269	205	243 0	315	198	242 0	264	207	227 0	259	193	0 0	0	0	0
500	129 0	121 0	177 1	177 0	0 0	0 0	233 0	277	185	233 0	279	181	236 0	263	204	220 0	249	185	0 0	0	0	0
600	195 0	197 0	277 1	259 0	0 0	0 0	252 0	277	214	250 0	285	219	253 0	276	246	242 0	255	229	0 0	0	0	0
700	202 0	201 0	264 0	259 0	0 0	0 0	302 0	314	286	294 0	320	267	312 0	321	301	291 0	301	279	0 0	0	0	0
800	196 0	200 0	240 0	249 0	0 0	0 0	295 0	327	260	291 0	336	246	304 0	322	256	284 0	302	256	0 0	0	0	0
900	173 0	175 0	207 0	217 0	0 0	0 0	288 0	321	248	285 0	327	233	297 0	331	262	277 0	298	247	0 0	0	0	0
1000	164 0	161 0	202 0	211 0	0 0	0 0	286 0	314	240	282 0	326	227	295 0	339	240	276 0	308	209	0 0	0	0	0
1100	169 0	167 0	202 0	210 0	0 0	0 0	288 0	313	242	294 0	336	230	298 0	321	260	279 0	312	242	0 0	0	0	0
1200	174 0	174 0	202 0	209 0	0 0	0 0	295 0	329	263	298 0	315	250	297 0	337	254	277 0	312	205	0 0	0	0	0
1300	154 0	157 0	162 0	159 0	0 0	0 0	286 0	317	250	284 0	321	243	295 0	319	261	276 0	302	234	0 0	0	0	0
1400	152 0	154 0	163 0	192 0	0 0	0 0	287 0	322	245	283 0	318	224	295 0	323	253	277 0	306	242	0 0	0	0	0
1500	136 0	139 0	162 0	172 0	0 0	0 0	281 0	321	240	278 0	329	220	289 0	327	242	271 0	311	235	0 0	0	0	0
1600	135 0	133 0	157 0	166 0	0 0	0 0	295 0	320	249	290 0	328	243	299 0	317	252	280 0	299	225	0 0	0	0	0
1700	121 0	123 0	144 0	153 0	0 0	0 0	289 0	327	238	279 0	318	225	291 0	317	256	272 0	303	221	0 0	0	0	0
1800	123 0	131 0	151 0	155 0	0 0	0 0	293 0	323	256	288 0	320	236	299 0	328	269	279 0	303	253	0 0	0	0	0
1900	114 0	123 0	141 0	148 0	0 0	0 0	66 0	305	234	263 0	301	228	272 0	299	243	-254 0	-279	228	0 0	0	0	0
2000	103 0	105 0	119 0	127 0	0 0	0 0	278 0	318	232	275 0	325	224	285 0	326	236	266 0	308	228	0 0	0	0	0
2100	87 0	90 0	111 0	121 0	0 0	0 0	234 0	281	183	233 0	276	185	234 0	270	190	220 0	259	176	0 0	0	0	0
2200	85 0	76 0	135 0	127 0	0 0	0 0	211 0	252	139	214 0	267	134	220 0	259	161	205 0	260	153	0 0	0	0	0
2300	107 0	97 0	153 0	156 0	0 0	0 0	226 0	265	207	226 0	284	183	227 0	248	192	213 0	239	196	0 0	0	0	0
2400	71 0	60 0	105 0	98 0	0 0	0 0	209 0	249	156	211 0	254	154	213 0	246	183	199 0	221	176	0 0	0	0	0

	AMB. TEM1 50 A S	AMB. TEM2 50 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP5 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	234 0	227 0	225 0	222 0	320 0	320 0	-9 0	-7 0	0 0	0 0	361 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
200	227 0	220 0	216 0	213 0	320 0	320 0	-9 0	-7 0	0 0	0 0	349 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
300	224 0	216 0	215 0	211 0	320 0	320 0	-9 0	-7 0	0 0	0 0	329 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
400	243 0	233 0	231 0	227 0	320 0	320 0	-9 0	-7 0	0 0	0 0	387 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
500	233 0	227 0	222 0	216 0	320 0	320 0	-11 0	-9 0	0 0	0 0	358 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
600	260 0	251 0	249 0	245 0	320 0	320 0	-9 0	-7 0	0 0	0 0	343 2	0 0	-0 0	0 0	0 0	0 0	0 0	116 0
700	261 0	254 0	251 0	245 0	320 0	320 0	-11 0	-9 0	0 0	0 0	334 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
800	254 0	247 0	243 0	238 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
900	238 0	231 0	227 0	224 0	320 0	320 0	-11 0	-9 0	0 0	0 0	322 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1000	229 0	222 0	213 0	215 0	320 0	320 0	-11 0	-9 0	0 0	0 0	322 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1100	224 0	216 0	213 0	207 0	320 0	320 0	-13 0	-9 0	0 0	0 0	314 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1200	220 0	213 0	207 0	204 0	320 0	320 0	-11 0	-9 0	0 0	0 0	301 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1300	216 0	209 0	204 0	200 0	320 0	320 0	-11 0	-9 0	0 0	0 0	294 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1400	215 0	207 0	204 0	196 0	320 0	320 0	-11 0	-9 0	0 0	0 0	294 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1500	213 0	204 0	200 0	197 0	320 0	320 0	-11 0	-9 0	0 0	0 0	290 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1600	211 0	204 0	200 0	197 0	320 0	320 0	-11 0	-9 0	0 0	0 0	322 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1700	213 0	206 0	209 0	198 0	320 0	320 0	-11 0	-7 0	0 0	0 0	322 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1800	213 0	206 0	204 0	194 0	320 0	320 0	-11 0	-7 0	0 0	0 0	327 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
1900	215 0	207 0	209 0	200 0	320 0	320 0	-11 0	-7 0	0 0	0 0	322 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
2000	215 0	207 0	205 0	200 0	320 0	320 0	-9 0	-7 0	0 0	0 0	315 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
2100	191 0	184 0	180 0	175 0	320 0	320 0	-11 0	-9 0	0 0	0 0	322 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
2200	173 0	164 0	162 0	159 0	320 0	320 0	-9 0	-7 0	0 0	0 0	322 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
2300	164 0	155 0	153 0	150 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0
2400	132 0	125 0	121 0	116 0	320 0	320 0	-13 0	-9 0	0 0	0 0	305 2	0 0	0 0	0 0	0 0	0 0	0 0	116 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	86	0	78	0	127	0	124	0	0	0	0	0	222	201	200		221	0	257	179	226	0	247	204	212	0	235	197	0	0	0	0	0	0
200	67	0	59	0	111	0	96	0	0	0	0	0	203	0	246	169	205	0	241	141	213	0	243	187	198	0	221	165	0	0	0	0	0	0
300	67	0	62	0	131	0	112	0	0	0	0	0	191	0	267	107	199	0	260	92	200	0	233	173	197	0	214	146	0	0	0	0	0	0
400	55	0	50	0	105	0	99	0	0	0	0	0	201	0	267	126	198	0	261	105	202	0	227	153	199	0	214	157	0	0	0	0	0	0
500	63	0	58	0	114	0	98	0	0	0	0	0	207	0	261	131	206	0	250	151	209	0	230	180	196	0	216	169	0	0	0	0	0	0
600	74	0	70	0	124	0	115	0	0	0	0	0	216	0	264	149	214	0	261	147	213	0	241	189	204	0	229	177	0	0	0	0	0	0
700	105	0	94	0	143	0	153	0	0	0	0	0	221	0	255	193	220	0	253	190	221	0	247	197	207	0	229	176	0	0	0	0	0	0
800	101	0	92	0	157	0	148	0	0	0	0	0	225	0	289	195	223	0	266	179	223	0	259	173	210	0	237	177	0	0	0	0	0	0
900	95	0	76	0	138	0	129	0	0	0	0	0	223	0	291	190	230	0	338	182	227	0	262	176	212	0	248	191	0	0	0	0	0	0
1000	157	0	165	0	181	0	139	0	0	0	0	0	274	0	324	243	270	0	329	237	282	0	317	247	264	0	295	223	0	0	0	0	0	0
1100	129	0	121	0	155	0	165	0	0	0	0	0	282	0	329	244	279	0	344	239	292	0	353	254	274	0	317	222	0	0	0	0	0	0
1200	162	0	168	0	186	0	176	0	0	0	0	0	271	0	315	242	269	0	344	204	284	0	312	247	265	0	306	211	0	0	0	0	0	0
1300	141	0	147	0	166	0	173	0	0	0	0	0	271	0	314	247	268	0	313	226	283	0	315	261	265	0	298	243	0	0	0	0	0	0
1400	160	0	168	0	182	0	192	0	0	0	0	0	267	0	292	228	265	0	295	206	278	0	304	255	261	0	291	227	0	0	0	0	0	0
1500	181	0	191	0	209	0	211	0	0	0	0	0	269	0	283	245	262	0	292	235	276	0	292	256	259	0	280	236	0	0	0	0	0	0
1600	173	0	182	0	198	0	207	0	0	0	0	0	270	0	323	244	267	0	330	238	280	0	319	255	263	0	297	232	0	0	0	0	0	0
1700	139	0	140	0	173	0	178	0	0	0	0	0	271	0	307	232	269	0	347	227	282	0	322	258	262	0	302	227	0	0	0	0	0	0
1800	142	0	142	0	163	0	176	0	0	0	0	0	287	0	313	250	284	0	315	239	297	0	320	275	277	0	304	256	0	0	0	0	0	0
1900	134	0	134	0	157	0	153	0	0	0	0	0	292	0	317	263	286	0	316	240	301	0	327	274	290	0	330	242	0	0	0	0	0	0
2000	125	0	125	0	155	0	161	0	0	0	0	0	299	0	325	280	294	0	321	263	308	0	327	293	288	0	304	270	0	0	0	0	0	0
2100	133	0	139	0	179	0	145	0	0	0	0	0	298	0	324	271	292	0	329	260	306	0	339	286	296	0	309	292	0	0	0	0	0	0
2200	154	0	160	0	209	0	211	0	0	0	0	0	297	0	319	270	292	0	329	255	306	0	316	277	296	0	297	264	0	0	0	0	0	0
2300	134	0	151	0	166	0	172	0	0	0	0	0	295	0	313	275	290	0	317	252	304	0	325	250	284	0	302	257	0	0	0	0	0	0
2400	134	0	133	0	163	0	157	0	0	0	0	0	304	0	349	277	298	0	338	271	313	0	340	299	293	0	319	279	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	104	0	101	0	101	0	96	0	320	0	320	0	-7	0	-5	0	0	0	0	0	299	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
200	103	0	94	0	92	0	89	0	320	0	320	0	-11	0	-7	0	0	0	0	0	288	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
300	103	0	94	0	90	0	87	0	320	0	320	0	-13	0	-9	0	0	0	0	0	288	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
400	103	0	99	0	94	0	92	0	320	0	320	0	-11	0	-9	0	0	0	0	0	401	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
500	107	0	99	0	98	0	92	0	320	0	320	0	-11	0	-7	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
600	107	0	99	0	99	0	96	0	320	0	320	0	-7	0	-4	0	0	0	0	0	388	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
700	117	0	108	0	107	0	103	0	320	0	320	0	-9	0	-7	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
800	116	0	108	0	107	0	101	0	320	0	320	0	-11	0	-7	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
900	116	0	108	0	107	0	101	0	320	0	320	0	-9	0	-7	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1000	171	0	160	0	161	0	157	0	320	0	320	0	-11	0	-9	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1100	170	0	162	0	159	0	153	0	320	0	320	0	-11	0	-9	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1200	162	0	155	0	152	0	146	0	320	0	320	0	-11	0	-9	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1300	159	0	150	0	146	0	143	0	320	0	320	0	-11	0	-9	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1400	162	0	153	0	150	0	144	0	320	0	320	0	-13	0	-9	0	0	0	0	0	340	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1500	164	0	155	0	152	0	148	0	320	0	320	0	-13	0	-9	0	0	0	0	0	314	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1600	164	0	157	0	152	0	146	0	320	0	320	0	-13	0	-9	0	0	0	0	0	312	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1700	170	0	162	0	159	0	155	0	320	0	320	0	-9	0	-7	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1800	166	0	159	0	156	0	150	0	320	0	320	0	-11	0	-7	0	0	0	0	0	300	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1900	173	0	161	0	159	0	153	0	320	0	320	0	-11	0	-9	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2000	164	0	151	0	157	0	152	0	320	0	320	0	-11	0	-9	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2100	166	0	157	0	155	0	150	0	320	0	320	0	-11	0	-7	0	0	0	0	0	317	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2200	164	0	155	0	152	0	148	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2300	157	0	150	0	148	0	143	0	320	0	320	0	-11	0	-7	0	0	0	0	0	312	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2400	153	0	146	0	143	0	137	0	320	0	320	0	-11	0	-9	0	0	0	0	0	312	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0

STATUS CODE(S) DEFINITIONS - 0 EVALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 DELAY DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1		MIN	MAX	DIR2		MIN	MAX	DIR3		MIN	MAX	DIR4		MIN	MAX	DIR5		MIN	MAX	DIR6	
	00 A	S	00 B	S	180A	S	180B	S		S	00 A	S			00 B	S			180A	S			180B	S			S				S			
100	137	0	134	0	167	0	174	0	0	0	0	0	296	0	321	269	291	0	337	264	306	0	323	282	296	0	312	274	0	0	0	0	0	0
200	152	0	152	0	185	0	190	0	0	0	0	0	296	0	315	273	291	0	311	258	307	0	323	285	296	0	302	258	0	0	0	0	0	0
300	167	0	166	0	203	0	206	0	0	0	0	0	293	0	316	276	292	0	323	247	310	0	326	299	289	0	320	230	0	0	0	0	0	0
400	181	0	134	0	229	0	233	0	0	0	0	0	304	0	324	283	299	0	323	272	313	0	327	304	293	0	306	283	0	0	0	0	0	0
500	183	0	186	0	222	0	226	0	0	0	0	0	307	0	318	286	303	0	327	277	317	0	337	305	296	0	320	287	0	0	0	0	0	0
600	176	0	176	0	217	0	220	0	0	0	0	0	307	0	326	289	301	0	323	263	317	0	331	309	296	0	307	291	0	0	0	0	0	0
700	141	0	143	0	183	0	189	0	0	0	0	0	311	0	332	295	304	0	349	271	323	0	347	309	302	0	326	288	0	0	0	0	0	0
800	125	0	123	0	164	0	169	0	0	0	0	0	305	0	329	283	302	0	7	272	317	0	347	289	297	0	342	275	0	0	0	0	0	0
900	143	0	145	0	190	0	195	0	0	0	0	0	306	0	331	286	302	0	328	272	313	0	334	298	297	0	313	291	0	0	0	0	0	0
1000	170	0	175	0	214	0	215	0	0	0	0	0	313	0	337	294	307	0	337	278	323	0	345	295	302	0	320	280	0	0	0	0	0	0
1100	163	0	172	0	212	0	216	0	0	0	0	0	305	0	329	284	301	0	352	275	315	0	334	297	294	0	310	265	0	0	0	0	0	0
1200	169	0	171	0	218	0	220	0	0	0	0	0	310	0	327	282	305	0	336	275	321	0	336	310	300	0	313	294	0	0	0	0	0	0
1300	184	0	186	0	228	0	223	0	0	0	0	0	306	0	330	285	301	0	323	261	317	0	338	306	296	0	316	287	0	0	0	0	0	0
1400	153	0	156	0	194	0	196	0	0	0	0	0	305	0	340	275	299	0	336	260	316	0	339	291	296	0	314	290	0	0	0	0	0	0
1500	167	0	173	0	202	0	207	0	0	0	0	0	306	0	342	282	300	0	337	260	317	0	338	303	296	0	313	283	0	0	0	0	0	0
1600	143	0	148	0	185	0	187	0	0	0	0	0	312	0	336	284	305	0	358	275	324	0	356	303	303	0	332	280	0	0	0	0	0	0
1700	169	0	168	0	206	0	212	0	0	0	0	0	301	0	328	277	296	0	334	256	312	0	339	286	292	0	314	265	0	0	0	0	0	0
1800	167	0	170	0	209	0	215	0	0	0	0	0	302	0	322	283	297	0	319	260	313	0	332	299	292	0	309	280	0	0	0	0	0	0
1900	155	0	159	0	200	0	204	0	0	0	0	0	305	0	345	267	297	0	342	249	313	0	349	282	293	0	320	265	0	0	0	0	0	0
2000	162	0	160	0	208	0	205	0	0	0	0	0	301	0	329	268	296	0	328	251	312	0	338	301	291	0	319	281	0	0	0	0	0	0
2100	152	0	158	0	187	0	190	0	0	0	0	0	308	0	328	284	302	0	323	271	319	0	337	302	298	0	314	282	0	0	0	0	0	0
2200	134	0	135	0	176	0	179	0	0	0	0	0	321	0	350	285	314	0	349	252	332	0	358	310	312	0	339	287	0	0	0	0	0	0
2300	150	0	151	0	184	0	189	0	0	0	0	0	305	0	349	281	299	0	351	258	317	0	2	302	296	0	330	283	0	0	0	0	0	0
2400	134	0	141	0	179	0	179	0	0	0	0	0	321	0	351	287	316	0	3	271	333	0	6	292	314	0	346	278	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP5		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7			
	00 A	S	00 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	RAIN	S
100	155	0	146	0	144	0	139	0	320	0	320	0	-11	0	-9	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	116	0
200	152	0	144	0	141	0	135	0	320	0	320	0	-11	0	-9	0	0	0	0	0	312	2	0	0	0	0	0	0	0	0	0	0	116	0
300	152	0	143	0	139	0	135	0	320	0	320	0	-11	0	-9	0	0	0	0	0	327	2	0	0	0	0	0	0	0	0	0	0	116	0
400	146	0	139	0	135	0	130	0	320	0	320	0	-13	0	-9	0	0	0	0	0	322	2	0	0	0	0	0	0	0	0	0	0	116	0
500	141	0	134	0	130	0	125	0	320	0	320	0	-13	0	-9	0	0	0	0	0	314	2	0	0	0	0	0	0	0	0	0	0	116	0
600	137	0	130	0	126	0	121	0	320	0	320	0	-13	0	-11	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	116	0
700	134	0	125	0	121	0	116	0	320	0	320	0	-13	0	-9	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	116	0
800	137	0	128	0	125	0	119	0	320	0	320	0	-13	0	-9	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	116	0
900	134	0	125	0	121	0	116	0	320	0	320	0	-13	0	-9	0	0	0	0	0	299	2	0	0	0	0	0	0	0	0	0	0	116	0
1000	132	0	125	0	119	0	114	0	320	0	320	0	-13	0	-11	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	116	0
1100	130	0	123	0	116	0	112	0	320	0	320	0	-14	0	-13	0	0	0	0	0	287	2	0	0	0	0	0	0	0	0	0	0	116	0
1200	117	0	110	0	105	0	99	0	320	0	320	0	-14	0	-11	0	0	0	0	0	287	2	0	0	0	0	0	0	0	0	0	0	116	0
1300	112	0	105	0	98	0	92	0	320	0	320	0	-14	0	-13	0	0	0	0	0	279	2	0	0	0	0	0	0	0	0	0	0	116	0
1400	112	0	105	0	98	0	92	0	320	0	320	0	-14	0	-13	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	116	0
1500	101	0	92	0	87	0	81	0	320	0	320	0	-14	0	-13	0	0	0	0	0	287	2	0	0	0	0	0	0	0	0	0	0	116	0
1600	92	0	85	0	81	0	76	0	320	0	320	0	-13	0	-11	0	0	0	0	0	287	2	0	0	0	0	0	0	0	0	0	0	116	0
1700	96	0	87	0	83	0	78	0	320	0	320	0	-13	0	-11	0	0	0	0	0	279	2	0	0	0	0	0	0	0	0	0	0	116	0
1800	96	0	89	0	83	0	78	0	320	0	320	0	-13	0	-11	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	116	0
1900	90	0	81	0	76	0	72	0	320	0	320	0	-13	0	-9	0	0	0	0	0	287	2	0	0	0	0	0	0	0	0	0	0	116	0
2000	90	0	81	0	79	0	72	0	320	0	320	0	-13	0	-9	0	0	0	0	0	287	2	0	0	0	0	0	0	0	0	0	0	116	0
2100	83	0	76	0	72	0	67	0	320	0	320	0	-11	0	-9	0	0	0	0	0	279	2	0	0	0	0	0	0	0	0	0	0	116	0
2200	81	0	72	0	69	0	63	0	320	0	320	0	-13	0	-9	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	116	0
2300	83	0	76	0	72	0	67	0	320	0	320	0	-13	0	-9	0	0	0	0	0	287	2	0	0	0	0	0	0	0	0	0	0	116	0
2400	93	0	83	0	80	0	76	0	320	0	320	0	-11	0	-9	0	0	0	0	0	287	2	0	0	0	0	0	0	0	0	0	0	116	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	121	0	125	0	165	0	165	0	0	0	0	0	313	0	15	284	313	0	13	276	330	0	3	307	309	0	334	287	0	0	0	0	0	0	0	0
200	117	0	121	0	157	0	157	0	0	0	0	0	337	0	7	301	331	0	358	299	341	0	357	325	321	0	341	301	0	0	0	0	0	0	0	0
300	92	0	105	0	135	0	135	0	0	0	0	0	323	0	355	290	322	0	13	272	337	0	10	304	317	0	354	291	0	0	0	0	0	0	0	0
400	116	0	120	0	162	0	165	0	0	0	0	0	321	0	3	285	314	0	356	263	333	0	351	283	312	0	337	286	0	0	0	0	0	0	0	0
500	82	0	86	0	131	0	131	0	0	0	0	0	350	0	53	297	344	0	74	232	353	0	55	312	339	0	39	278	0	0	0	0	0	0	0	0
600	87	0	89	0	115	0	115	0	0	0	0	0	17	0	60	306	11	0	63	290	9	0	46	305	350	0	22	301	0	0	0	0	0	0	0	0
700	62	1	63	0	79	0	75	0	0	0	0	0	102	1	143	79	100	0	144	65	113	0	139	85	100	0	126	65	0	0	0	0	0	0	0	0
800	91	0	91	0	116	0	120	0	0	0	0	0	122	0	129	329	123	0	254	100	113	0	134	103	105	0	119	90	0	0	0	0	0	0	0	0
900	85	0	92	0	129	1	137	0	0	0	0	0	131	1	149	113	134	0	153	107	138	0	159	121	125	0	138	110	0	0	0	0	0	0	0	0
1000	87	0	96	0	114	0	121	0	0	0	0	0	131	0	144	115	135	0	157	118	139	0	153	127	125	0	137	110	0	0	0	0	0	0	0	0
1100	96	0	101	0	116	0	121	0	0	0	0	0	125	1	151	103	130	0	151	108	138	0	154	124	125	0	143	102	0	0	0	0	0	0	0	0
1200	101	0	107	0	130	0	133	0	0	0	0	0	130	0	148	116	134	0	158	103	140	0	155	126	126	0	144	116	0	0	0	0	0	0	0	0
1300	92	0	102	0	101	0	110	0	0	0	0	0	123	0	145	103	127	0	152	100	132	0	157	114	118	0	139	104	0	0	0	0	0	0	0	0
1400	58	0	67	0	76	0	79	0	0	0	0	0	127	0	162	102	135	0	208	104	135	0	155	101	122	0	140	88	0	0	0	0	0	0	0	0
1500	45	0	49	0	56	0	57	0	0	0	0	0	95	0	133	67	92	0	145	46	105	0	142	72	91	0	139	55	0	0	0	0	0	0	0	0
1600	33	0	38	0	38	0	40	0	0	0	0	0	104	1	129	66	105	0	137	65	102	0	134	75	98	0	124	54	0	0	0	0	0	0	0	0
1700	35	0	41	0	50	0	52	0	0	0	0	0	122	1	144	105	125	0	152	104	108	0	126	86	94	0	116	77	0	0	0	0	0	0	0	0
1800	47	0	51	0	63	0	65	0	0	0	0	0	123	0	137	107	125	0	142	109	122	0	133	110	108	0	124	96	0	0	0	0	0	0	0	0
1900	55	1	57	0	71	0	72	0	0	0	0	0	113	0	115	97	111	0	126	96	106	0	109	102	91	0	95	84	0	0	0	0	0	0	0	0
2000	63	0	70	0	97	0	96	0	0	0	0	0	83	0	104	72	90	0	121	74	96	0	100	91	81	0	85	77	0	0	0	0	0	0	0	0
2100	64	0	66	0	103	0	107	0	0	0	0	0	92	0	111	77	92	0	116	65	98	0	103	90	91	0	88	74	0	0	0	0	0	0	0	0
2200	77	0	78	0	131	0	131	0	0	0	0	0	102	0	118	87	103	0	126	73	102	0	106	97	97	0	90	84	0	0	0	0	0	0	0	0
2300	70	0	74	0	122	0	122	0	0	0	0	0	97	0	121	75	98	0	126	66	99	0	104	92	84	0	90	76	0	0	0	0	0	0	0	0
2400	82	0	80	0	119	0	118	0	0	0	0	0	94	0	112	77	94	0	129	73	97	0	105	89	82	0	92	72	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	O.T. 1	150A	S	O.T. 2	150B	S	O.T. 3	S	O.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	90	0	83	0	81	0	76	0	329	0	329	0	-11	0		-9	0		0	0	0	0	0	0	502	2	0	0	0	0	0	0	0	0	0	0	116	0
200	94	0	87	0	91	0	76	0	328	0	329	0	-13	0		-11	0		0	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	116	0
300	94	0	87	0	85	0	78	0	329	0	329	0	-13	0		-9	0		0	0	0	0	0	0	342	2	0	0	0	0	0	0	0	0	0	0	116	0
400	93	0	90	0	87	0	81	0	329	0	329	0	-13	0		-11	0		0	0	0	0	0	0	349	2	0	0	0	0	0	0	0	0	0	0	116	0
500	99	0	92	0	90	0	85	0	329	0	329	0	-11	0		-7	0		0	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	116	0
600	103	0	96	0	92	0	89	0	329	0	329	0	-11	0		-7	0		0	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	116	0
700	29	0	20	0	17	0	11	0	329	0	329	0	-11	0		-9	0		0	0	0	0	0	0	325	2	0	0	0	0	0	0	0	0	0	0	116	0
800	-2	0	-11	0	-2	0	-8	0	329	0	329	0	0	0		4	0		0	0	0	0	0	0	312	2	0	0	0	0	0	0	0	0	0	0	116	0
900	8	0	0	0	2	0	-2	0	329	0	329	0	-5	0		-2	0		0	0	0	0	0	0	312	2	0	0	0	0	0	0	0	0	0	0	116	0
1000	11	0	4	0	5	0	-2	0	329	0	329	0	-11	0		-7	0		0	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	116	0
1100	43	0	33	0	26	0	20	0	329	0	329	0	-14	0		-13	0		0	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	116	0
1200	72	0	63	0	55	0	49	0	329	0	329	0	-18	0		-14	0		0	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	116	0
1300	87	0	81	0	72	0	67	0	329	0	329	0	-15	0		-13	0		0	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	116	0
1400	94	0	90	0	79	0	74	0	329	0	329	0	-20	0		-16	0		0	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	116	0
1500	101	0	96	0	87	0	83	0	329	0	329	0	-13	0		-13	0		0	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	116	0
1600	93	0	85	0	81	0	78	0	329	0	329	0	-11	0		-7	0		0	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	116	0
1700	81	0	74	0	76	0	71	0	329	0	329	0	-7	0		-4	0		0	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	116	0
1800	73	0	69	0	73	0	72	0	329	0	329	0	2	0		2	0		0	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	116	0
1900	74	0	69	0	76	0	72	0	329	0	329	0	3	0		4	0		0	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	116	0
2000	72	0	62	0	69	0	63	0	329	0	329	0	-2	0		2	0		0	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	116	0
2100	53	0	49	0	60	0	54	0	329	0	329	0	2	0		5	0		0	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	116	0
2200	53	0	44	0	56	0	51	0	329	0	329	0	3	0		7	0		0	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	116	0
2300	51	0	42	0	53	0	47	0	329	0	329	0	2	0		5	0		0	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	116	0
2400	51	0	44	0	47	0	44	0	329	0	329	0	-4	0		0	0		0	0	0	0	0	0	324	2	0	0	0	0	0	0	0	0	0	0	116	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150I	S	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	85	0	81	0	122	0	118	0	0	0	0	0	86	0	93	77	35	0	102	73	90	0	93	87	75	0	78	71	0	0	0	0	0	0	0	0
200	84	0	84	0	125	0	125	0	0	0	0	0	87	0	101	81	38	0	110	54	95	0	99	89	80	0	83	75	0	0	0	0	0	0	0	0
300	83	0	81	0	154	0	133	0	0	0	0	0	91	0	104	79	90	0	133	73	94	0	98	85	78	0	82	71	0	0	0	0	0	0	0	0
400	93	0	88	0	145	0	142	0	0	0	0	0	91	0	110	76	90	0	115	68	91	0	96	85	76	0	84	56	0	0	0	0	0	0	0	0
500	77	0	78	0	123	0	122	0	0	0	0	0	94	0	103	84	94	0	113	74	93	0	101	94	84	0	89	78	0	0	0	0	0	0	0	0
600	91	0	88	0	135	0	134	0	0	0	0	0	93	0	101	86	91	0	103	65	103	0	101	93	86	0	88	83	0	0	0	0	0	0	0	0
700	92	0	90	0	165	0	165	0	0	0	0	0	97	0	110	86	96	0	114	78	102	0	104	101	88	0	89	86	0	0	0	0	0	0	0	0
800	93	0	88	0	159	0	157	0	0	0	0	0	94	0	104	78	93	0	105	77	98	0	100	95	83	0	87	81	0	0	0	0	0	0	0	0
900	96	0	93	0	167	0	169	0	0	0	0	0	100	0	113	87	100	0	113	88	103	0	105	101	89	0	93	86	0	0	0	0	0	0	0	0
1000	78	0	75	0	137	0	137	0	0	0	0	0	103	0	124	74	98	0	130	68	104	0	119	89	90	0	105	87	0	0	0	0	0	0	0	0
1100	85	0	85	0	108	0	109	0	0	0	0	0	89	0	106	73	97	0	115	62	99	0	125	81	84	0	104	70	0	0	0	0	0	0	0	0
1200	105	0	107	0	104	0	111	0	0	0	0	0	106	0	127	73	106	0	149	69	101	0	122	53	86	0	108	32	0	0	0	0	0	0	0	0
1300	91	0	91	0	95	0	97	0	0	0	0	0	105	0	124	68	106	0	139	63	102	0	129	69	87	0	121	48	0	0	0	0	0	0	0	0
1400	85	0	85	0	101	0	104	0	0	0	0	0	103	0	132	55	103	0	142	56	105	0	142	63	90	0	126	54	0	0	0	0	0	0	0	0
1500	99	0	96	0	112	0	113	0	0	0	0	0	97	0	123	64	95	0	153	60	98	0	116	75	84	0	111	48	0	0	0	0	0	0	0	0
1600	130	0	129	0	154	0	150	0	0	0	0	0	109	0	136	78	110	0	151	68	109	0	137	86	95	0	123	76	0	0	0	0	0	0	0	0
1700	105	0	102	0	143	0	104	0	0	0	0	0	105	0	127	85	104	0	130	79	107	0	123	97	93	0	108	77	0	0	0	0	0	0	0	0
1800	86	0	83	0	130	0	126	0	0	0	0	0	86	0	102	72	95	0	102	72	90	0	99	84	75	0	91	57	0	0	0	0	0	0	0	0
1900	103	0	101	0	171	0	159	0	0	0	0	0	87	0	102	70	86	0	109	65	91	0	95	88	76	0	82	72	0	0	0	0	0	0	0	0
2000	133	0	132	0	208	0	204	0	0	0	0	0	91	0	109	73	90	0	117	69	93	0	105	84	78	0	97	74	0	0	0	0	0	0	0	0
2100	106	0	102	0	162	0	162	0	0	0	0	0	92	0	114	80	90	0	115	66	95	0	104	82	81	0	89	71	0	0	0	0	0	0	0	0
2200	132	0	128	0	193	0	190	0	0	0	0	0	101	0	116	85	99	0	130	70	101	0	116	87	86	0	104	78	0	0	0	0	0	0	0	0
2300	137	0	132	0	193	0	198	0	0	0	0	0	103	0	126	88	104	0	136	78	104	0	121	89	91	0	109	75	0	0	0	0	0	0	0	0
2400	183	0	182	0	223	0	228	0	0	0	0	0	117	0	130	102	120	0	141	98	119	0	134	101	107	0	120	94	0	0	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	47	0	38	0	49	0	44	0	320	0	320	0	2	0	5	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
200	47	0	38	0	51	0	45	0	320	0	320	0	4	0	7	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
300	53	0	44	0	56	0	53	0	320	0	320	0	7	0	9	0	0	0	0	0	325	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
400	47	0	40	0	51	0	48	0	320	0	320	0	4	0	7	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
500	42	0	33	0	49	0	44	0	320	0	320	0	7	0	11	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
600	38	0	29	0	53	0	47	0	320	0	320	0	15	0	20	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
700	29	0	15	0	51	0	47	0	320	0	320	0	29	0	32	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
800	18	0	9	0	49	0	44	0	320	0	320	0	32	0	36	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
900	18	0	9	0	51	0	45	0	320	0	320	0	34	0	36	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1000	40	0	33	0	45	0	42	0	320	0	320	0	7	0	11	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1100	69	0	63	0	81	0	76	0	320	0	320	0	-7	0	-7	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1200	123	0	123	0	117	0	112	0	320	0	320	0	-11	0	-9	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1300	148	0	143	0	137	0	132	0	320	0	320	0	-15	0	-11	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1400	170	0	162	0	153	0	148	0	320	0	320	0	-14	0	-13	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1500	182	0	175	0	165	0	164	0	320	0	320	0	-13	0	-11	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1600	184	0	177	0	173	0	168	0	320	0	320	0	-11	0	-9	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1700	173	0	162	0	164	0	159	0	320	0	320	0	-5	0	-4	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1800	153	0	141	0	153	0	150	0	320	0	320	0	5	0	2	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1900	134	0	125	0	141	0	141	0	320	0	320	0	13	0	16	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2000	117	0	112	0	133	0	126	0	320	0	320	0	11	0	14	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2100	105	0	98	0	112	0	107	0	320	0	320	0	7	0	11	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2200	105	0	96	0	105	0	101	0	320	0	320	0	2	0	5	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2300	103	0	101	0	103	0	103	0	320	0	320	0	7	0	4	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2400	144	0	137	0	136	0	132	0	320	0	320	0	-7	0	-5	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0

STATUS CODE(S) DEFINITIONS - 0 VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1		MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
	30 A	S	30 B	S	150A	S	150B	S		S	5C	S			50		S		150A		S		150B		S				S				S				S
100	181	0	172	0	220	0	231	0	0	0	0	0	120	0	133	101		122	0	144	98	129	0	141	107	112	0	128	98	0	0	0	0	0	0	0	0
200	164	0	161	0	195	0	214	0	0	0	0	0	120	0	134	93		122	0	146	79	125	0	152	92	112	0	137	87	0	0	0	0	0	0	0	0
300	151	0	151	0	225	0	239	0	0	0	0	0	121	0	137	102		122	0	144	88	127	0	147	113	115	0	136	98	0	0	0	0	0	0	0	0
400	149	0	148	0	131	0	193	0	0	0	0	0	121	0	139	105		123	0	154	91	129	0	146	111	115	0	132	94	0	0	0	0	0	0	0	0
500	162	0	157	0	145	0	125	0	0	0	0	0	117	0	141	101		119	0	140	94	122	0	143	102	109	0	124	93	0	0	0	0	0	0	0	0
600	181	0	174	0	211	0	227	0	0	0	0	0	122	0	135	106		124	0	146	100	126	0	139	113	115	0	127	100	0	0	0	0	0	0	0	0
700	179	0	179	0	215	0	230	0	0	0	0	0	123	0	137	107		125	0	147	25	131	0	149	118	119	0	138	105	0	0	0	0	0	0	0	0
800	145	0	150	0	167	0	175	0	0	0	0	0	123	0	143	115		130	0	157	104	137	0	152	121	124	0	149	108	0	0	0	0	0	0	0	0
900	142	0	151	0	205	0	217	0	0	0	0	0	134	0	143	119		137	0	165	119	145	0	164	126	133	0	149	115	0	0	0	0	0	0	0	0
1000	113	0	119	0	173	0	182	0	0	0	0	0	136	0	164	119		140	0	173	118	150	0	167	139	138	0	149	126	0	0	0	0	0	0	0	0
1100	83	0	90	0	131	1	136	0	0	0	0	0	145	0	171	117		143	0	180	114	159	0	184	130	146	0	165	129	0	0	0	0	0	0	0	0
1200	73	0	73	0	107	0	111	0	0	0	0	0	141	0	179	119		141	0	189	107	156	0	178	138	145	0	157	126	0	0	0	0	0	0	0	0
1300	64	0	68	0	140	0	86	0	0	0	0	0	167	0	216	122		166	0	234	106	178	0	202	151	165	0	183	140	0	0	0	0	0	0	0	0
1400	42	1	39	0	66	0	59	0	0	0	0	0	174	0	267	104		176	0	259	110	184	0	234	153	172	0	217	132	0	0	0	0	0	0	0	0
1500	31	0	30	0	47	0	39	0	0	0	0	0	187	0	181	118		149	3	213	91	165	0	183	146	159	0	173	137	0	0	0	0	0	0	0	0
1600	52	0	52	0	77	0	81	0	0	0	0	0	135	0	166	116		138	0	167	113	146	0	165	133	136	0	149	110	0	0	0	0	0	0	0	0
1700	35	0	37	0	59	0	63	0	0	0	0	0	137	0	153	115		138	0	172	109	160	0	173	144	149	0	163	129	0	0	0	0	0	0	0	0
1800	34	0	36	0	55	0	58	0	0	0	0	0	124	0	155	107		130	0	154	106	144	0	159	131	133	0	146	118	0	0	0	0	0	0	0	0
1900	25	0	22	0	52	0	46	0	0	0	0	0	174	0	212	120		171	3	210	123	189	0	202	171	176	0	190	161	0	0	0	0	0	0	0	0
2000	35	0	25	0	56	0	49	0	0	0	0	0	191	0	216	162		199	3	234	140	212	0	225	202	199	0	211	190	0	0	0	0	0	0	0	0
2100	40	0	31	0	51	0	42	0	0	0	0	0	211	0	239	182		208	0	242	161	231	0	247	208	219	0	239	201	0	0	0	0	0	0	0	0
2200	91	0	90	0	125	0	130	0	0	0	0	0	255	0	290	218		253	0	292	221	259	0	288	228	245	0	277	221	0	0	0	0	0	0	0	0
2300	103	0	109	0	133	0	143	0	0	0	0	0	257	0	292	232		253	0	288	225	260	0	287	237	245	0	273	221	0	0	0	0	0	0	0	0
2400	143	0	144	0	158	0	168	0	0	0	0	0	269	0	299	242		266	0	311	229	278	0	319	239	261	0	295	214	0	0	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEM6		O.T. 1		O.T. 2		O.T. 3		O.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN	
	30 A	S	30 B	S	130A	S	180B	S		S		S	130A	S	180B	S		S		S		S		S		S		S		S		S		S
100	157	0	148	0	143	0	143	0	320	0	320	0	-7	0	-5	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	116	0
200	163	0	159	0	159	0	153	0	320	0	320	0	-2	0	-7	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	116	0
300	173	0	166	0	164	0	159	0	320	0	320	0	-9	0	-7	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	116	0
400	164	0	155	0	152	0	148	0	320	0	320	0	-9	0	-7	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	116	0
500	157	0	150	0	145	0	143	0	320	0	320	0	-9	0	-7	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	116	0
600	157	0	148	0	146	0	143	0	320	0	320	0	-9	0	-5	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	116	0
700	165	0	159	0	157	0	152	0	320	0	320	0	-9	0	-7	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	116	0
800	171	0	162	0	162	0	155	0	320	0	320	0	-9	0	-7	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	116	0
900	177	0	170	0	166	0	161	0	320	0	320	0	-9	0	-7	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	116	0
1000	183	0	171	0	173	0	164	0	320	0	320	0	-9	0	-7	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	116	0
1100	195	0	188	0	186	0	180	0	320	0	320	0	-7	0	-5	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	116	0
1200	215	0	207	0	204	0	178	0	320	0	320	0	-9	0	-7	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	116	0
1300	236	0	233	0	227	0	218	0	320	0	320	0	-11	0	-9	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	116	0
1400	251	0	243	0	235	1	233	0	320	0	320	0	-13	0	-11	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	116	0
1500	254	0	245	0	242	0	236	0	320	0	320	0	-11	0	-9	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	116	0
1600	256	0	249	0	245	0	242	0	320	0	320	0	-9	0	-7	0	0	0	0	0	324	2	0	0	0	0	0	0	0	0	0	0	116	0
1700	253	0	252	0	251	0	245	0	320	0	320	0	-7	0	-5	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	116	0
1800	261	0	252	0	252	0	249	0	320	0	320	0	-5	1	-4	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	117	0
1900	261	0	254	0	260	0	254	0	320	0	320	0	-2	0	0	0	0	0	0	0	325	2	0	0	0	0	0	0	0	0	0	0	117	0
2000	265	0	256	0	258	1	252	0	320	0	320	0	-5	1	-2	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	117	0
2100	265	0	256	0	261		256	0	320	0	320	0	-2	1	0	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	117	0
2200	276	0	269	0	267	0	251	0	320	0	320	0	-9	1	-7	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	117	0
2300	277	0	272	0	269	0	263	0	320	1	320	0	-11	1	-9	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	117	0
2400	287	0	279	0	282	0	268	0	320	0	320	0	-15	0	-14	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FELAL DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	166	0	166	0	162	0	169	0	0	0	0	0	275	1	307	249	271	0	319	226	283	0	314	254	266	0	305	236	0	0	0	0	0	0
200	175	0	177	0	178	0	175	0	0	0	0	0	270	1	296	246	266	0	307	233	278	0	311	253	260	0	293	219	0	0	0	0	0	0
300	178	0	178	0	184	0	175	0	0	0	0	0	269	0	293	241	264	0	301	228	276	0	298	251	260	0	299	240	0	0	0	0	0	0
400	139	0	133	0	144	0	164	0	0	0	0	0	281	1	317	245	276	0	334	259	287	0	331	258	270	0	297	239	0	0	0	0	0	0
500	171	0	164	0	171	0	202	0	0	0	0	0	274	1	314	239	272	0	319	226	265	0	315	253	265	0	291	229	0	0	0	0	0	0
600	181	0	182	0	191	0	204	0	0	0	0	0	275	1	305	246	268	0	308	229	285	0	325	253	266	0	306	213	0	0	0	0	0	0
700	213	0	211	0	246	0	263	0	0	0	0	0	282	1	307	248	277	0	318	233	287	0	328	250	269	0	301	241	0	0	0	0	0	0
800	213	0	210	0	237	0	251	0	0	0	0	0	291	1	321	256	284	0	325	249	295	0	325	260	276	0	302	235	0	0	0	0	0	0
900	217	0	212	0	254	0	255	0	0	0	0	0	292	1	328	247	284	0	320	234	297	0	327	252	278	0	301	240	0	0	0	0	0	0
1000	222	0	220	0	266	0	256	0	0	0	0	0	293	1	358	253	292	0	344	237	294	0	336	257	275	0	308	238	0	0	0	0	0	0
1100	224	0	224	0	273	0	247	0	0	0	0	0	288	0	319	253	283	0	329	236	293	0	323	242	276	0	310	263	0	0	0	0	0	0
1200	243	0	236	0	272	0	234	0	0	0	0	0	287	0	313	253	282	0	342	235	296	0	330	265	277	0	309	243	0	0	0	0	0	0
1300	211	0	202	0	259	0	268	0	0	0	0	0	282	0	315	252	276	0	320	235	298	0	323	249	276	0	307	228	0	0	0	0	0	0
1400	235	0	223	0	273	0	296	0	0	0	0	0	287	1	314	243	280	0	307	254	293	0	318	257	275	0	295	223	0	0	0	0	0	0
1500	197	0	203	0	242	0	256	0	0	0	0	0	280	0	312	251	274	0	313	238	291	0	325	255	270	0	311	227	0	0	0	0	0	0
1600	231	0	224	0	260	0	271	0	0	0	0	0	275	0	321	243	270	0	326	236	285	0	328	249	266	0	303	229	0	0	0	0	0	0
1700	277	0	276	0	306	0	316	0	0	0	0	0	267	0	284	249	262	0	292	225	275	0	304	241	257	0	279	229	0	0	0	0	0	0
1800	259	0	256	0	279	0	292	0	0	0	0	0	268	1	299	243	262	0	292	225	275	0	313	239	258	0	305	233	0	0	0	0	0	0
1900	233	0	234	0	273	0	284	0	0	0	0	0	265	0	284	235	259	0	290	211	270	0	295	231	253	0	284	228	0	0	0	0	0	0
2000	245	0	251	0	279	0	290	0	0	0	0	0	265	1	293	230	260	0	305	212	271	0	299	250	255	0	273	234	0	0	0	0	0	0
2100	249	0	253	0	278	0	288	0	0	0	0	0	268	0	292	249	263	0	293	233	273	0	333	251	256	0	301	233	0	0	0	0	0	0
2200	212	0	219	0	256	0	248	0	0	0	0	0	269	1	294	241	264	0	235	233	273	0	298	255	255	0	290	232	0	0	0	0	0	0
2300	196	0	199	0	243	0	253	0	0	0	0	0	265	1	286	237	261	0	290	227	269	0	309	233	251	0	267	223	0	0	0	0	0	0
2400	214	0	217	0	252	0	266	0	0	0	0	0	266	1	283	238	259	0	290	230	268	0	286	233	252	0	268	224	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	O.T. 1	O.T. 2	O.T. 3	S	O.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	265	0	256	0	252	0	245	0	329	0	320	0	-11	-9	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	254	0	247	0	242	0	234	0	329	0	320	0	-13	-11	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	243	0	236	0	231	0	225	0	329	0	320	0	-13	-11	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	242	0	234	0	227	0	224	0	329	0	320	0	-11	-9	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	235	0	229	0	224	0	218	0	329	0	320	0	-11	-9	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	220	0	213	0	209	0	204	0	329	0	320	0	-11	-9	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	184	0	177	0	171	0	166	0	329	0	320	0	-13	-9	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	161	0	153	0	146	0	143	0	329	0	320	0	-13	-9	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	143	0	141	0	134	0	130	0	329	0	320	0	-13	-11	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	119	0	112	0	105	0	101	0	329	0	320	0	-13	-11	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	103	0	94	0	89	0	83	0	329	0	320	0	-14	-11	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	87	0	80	0	74	0	69	0	329	0	320	0	-13	-11	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	81	0	72	0	67	0	62	0	329	0	320	0	-13	-11	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	83	0	71	0	65	0	60	0	329	0	320	0	-13	-11	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	76	0	67	0	62	0	58	0	329	0	320	0	-13	-9	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	71	0	62	0	58	0	53	0	329	0	320	0	-13	-9	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	65	0	56	0	51	0	44	0	329	0	320	0	-14	-11	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	54	0	47	0	42	0	36	0	329	0	320	0	-13	-11	0	0	0	0	364	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	51	0	42	0	36	0	31	0	329	0	320	0	-14	-11	0	0	0	0	325	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	41	0	40	0	36	0	29	0	329	0	320	0	-13	-11	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	45	0	38	0	31	0	27	0	329	0	320	0	-13	-11	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	47	0	40	0	36	0	29	0	329	0	320	0	-13	-11	0	0	0	0	359	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	47	0	40	0	36	0	29	0	329	0	320	0	-13	-9	0	0	0	0	325	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	44	0	36	0	27	0	24	0	329	0	320	0	-14	-11	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 51.1 S	WIND SPD2 50.8 S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50.6 S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A S	MIN	MAX	WIND DIR4 150B S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S	MIN	MAX
100	202 0	234 0	241 0	251 0	0 0	0 0	265 0	292	236	260 0	302	219	269 0	313	241	253 0	308	230	0 0	0	0	0 0	0	0
200	237 0	240 0	252 0	264 0	0 0	0 0	264 0	279	255	263 0	292	242	273 0	301	261	256 0	272	245	0 0	0	0	0 0	0	0
300	235 0	242 0	263 0	272 0	0 0	0 0	265 0	288	227	261 0	284	227	271 0	291	254	255 0	281	234	0 0	0	0	0 0	0	0
400	211 0	220 0	237 0	248 0	0 0	0 0	267 0	284	245	261 0	280	229	270 0	295	254	254 0	279	241	0 0	0	0	0 0	0	0
500	202 0	216 0	222 0	231 0	0 0	0 0	273 0	294	252	264 0	296	215	276 0	300	256	259 0	295	242	0 0	0	0	0 0	0	0
600	176 0	173 0	199 0	209 0	0 0	0 0	272 0	318	254	266 0	329	228	281 0	322	251	263 0	307	221	0 0	0	0	0 0	0	0
700	227 0	225 0	249 0	253 0	0 0	0 0	269 0	309	246	265 0	303	238	280 0	315	254	262 0	294	239	0 0	0	0	0 0	0	0
800	182 0	132 0	207 0	218 0	0 0	0 0	275 0	321	250	271 0	339	236	284 0	322	246	265 0	298	235	0 0	0	0	0 0	0	0
900	201 0	200 0	213 0	229 0	0 0	0 0	275 0	309	234	270 0	310	213	282 0	306	253	264 0	296	233	0 0	0	0	0 0	0	0
1000	207 0	216 0	232 0	252 0	0 0	0 0	268 0	316	248	264 0	304	242	276 0	293	248	258 0	286	232	0 0	0	0	0 0	0	0
1100	172 0	173 0	203 0	217 0	0 0	0 0	281 0	321	252	275 0	334	234	289 0	335	247	269 0	314	236	0 0	0	0	0 0	0	0
1200	163 0	159 0	177 0	185 0	0 0	0 0	272 0	302	251	267 0	304	235	281 0	314	253	264 0	296	236	0 0	0	0	0 0	0	0
1300	211 0	215 0	226 0	237 0	0 0	0 0	269 0	282	241	264 0	300	232	272 0	291	245	256 0	275	241	0 0	0	0	0 0	0	0
1400	194 0	200 0	211 0	221 0	0 0	0 0	269 0	297	251	263 0	298	232	277 0	311	250	260 0	289	234	0 0	0	0	0 0	0	0
1500	173 0	173 0	190 0	196 0	0 0	0 0	273 0	305	236	269 0	321	234	282 0	325	246	265 0	306	237	0 0	0	0	0 0	0	0
1600	197 0	199 0	223 0	253 0	0 0	0 0	279 0	304	248	273 0	312	240	285 0	310	259	269 0	310	234	0 0	0	0	0 0	0	0
1700	203 0	210 0	222 0	238 0	0 0	0 0	272 0	296	249	267 0	294	232	279 0	310	256	263 0	288	229	0 0	0	0	0 0	0	0
1800	183 0	192 0	211 0	224 0	0 0	0 0	283 0	315	255	276 0	309	234	288 0	321	247	270 0	304	228	0 0	0	0	0 0	0	0
1900	223 0	217 0	253 0	264 0	0 0	0 0	292 0	329	243	287 0	324	248	298 0	320	250	279 0	310	238	0 0	0	0	0 0	0	0
2000	258 0	253 0	285 0	293 0	0 0	0 0	276 0	307	251	270 0	314	238	285 0	319	233	266 0	308	233	0 0	0	0	0 0	0	0
2100	224 0	218 0	262 0	270 0	0 0	0 0	284 0	319	251	280 0	331	240	291 0	320	256	268 0	308	218	0 0	0	0	0 0	0	0
2200	257 0	253 0	286 0	303 0	0 0	0 0	292 0	315	260	297 0	332	238	297 0	312	257	273 0	291	234	0 0	0	0	0 0	0	0
2300	246 0	232 0	287 0	295 0	0 0	0 0	283 0	310	254	282 0	311	218	297 0	317	259	277 0	294	257	0 0	0	0	0 0	0	0
2400	236 0	231 0	268 0	296 0	0 0	0 0	282 0	309	254	276 0	314	230	290 0	334	252	271 0	304	223	0 0	0	0	0 0	0	0

	AMB. TEMP1 30 A S	AMB. TEMP2 30 B S	AMB. TEMP3 180A S	AMB. TEMP4 180B S	AMB. TEMP5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	42 0	35 0	29 0	24 0	320 0	320 0	-13 0	-9 0	0 0	0 0	303 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
200	44 0	35 0	29 0	24 0	320 0	320 0	-13 0	-11 0	0 0	0 0	352 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
300	45 0	38 0	31 0	26 0	320 0	320 0	-14 0	-11 0	0 0	0 0	333 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
400	47 0	42 0	35 0	31 0	320 0	320 0	-13 0	-9 0	0 0	0 0	297 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
500	62 0	56 0	49 0	44 0	320 0	320 0	-13 0	-9 0	0 0	0 0	303 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
600	63 0	54 0	53 0	47 0	320 0	320 0	-11 0	-9 0	0 0	0 0	352 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
700	58 0	49 0	45 0	40 0	320 0	320 0	-13 0	-9 0	0 0	0 0	333 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
800	53 0	45 0	42 0	36 0	321 0	320 0	-11 0	-9 0	0 0	0 0	297 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
900	56 0	47 0	44 0	38 0	320 0	320 0	-11 0	-9 0	0 0	0 0	297 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1000	53 0	45 0	40 0	36 0	320 0	320 0	-13 0	-9 0	0 0	0 0	303 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1100	60 0	53 0	47 0	42 0	320 0	320 0	-13 0	-9 0	0 0	0 0	756 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1200	65 0	56 0	53 0	47 0	320 0	320 0	-13 0	-9 0	0 0	0 0	752 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1300	60 0	53 0	47 0	42 0	320 0	320 0	-13 0	-9 0	0 0	0 0	743 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1400	60 0	53 0	45 0	42 0	320 0	320 0	-13 0	-9 0	0 0	0 0	727 2	0 0	0 0	0 0	0 0	0 0	0 0	120 0
1500	56 0	49 0	44 0	40 0	320 0	320 0	-13 0	-9 0	0 0	0 0	721 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1600	55 0	47 0	45 0	40 0	320 0	320 0	-11 0	-9 0	0 0	0 0	721 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1700	47 0	40 0	36 0	31 0	320 0	320 0	-13 0	-9 0	0 0	0 0	712 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1800	43 0	36 0	31 0	26 0	320 0	320 0	-13 0	-9 0	0 0	0 0	707 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1900	36 0	29 0	22 0	17 0	320 0	320 0	-14 0	-11 0	0 0	0 0	669 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2000	17 0	9 0	5 0	0 0	320 0	320 0	-13 0	-9 0	0 0	0 0	721 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2100	4 0	-4 0	-3 0	-13 0	320 0	320 0	-13 0	-9 0	0 0	0 0	712 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2200	4 0	-2 0	-1 0	-13 0	320 0	320 0	-13 0	-11 0	0 0	0 0	707 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2300	3 0	0 0	-4 0	-9 0	320 0	320 0	-13 0	-11 0	0 0	0 0	669 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2400	0 0	-5 0	-7 0	-15 0	321 0	320 0	-11 0	-9 0	0 0	0 0	721 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	252	0	251	0	268	0	304	0	0	0	0	0	269	1	308	253	232	0	358	245	293	0	317	257	275	0	296	231	0	0	0	0	0	0
200	277	0	277	0	324	0	341	0	0	0	0	0	288	1	313	252	280	0	343	239	294	0	325	258	274	0	312	235	0	0	0	0	0	0
300	285	0	291	0	344	1	352	0	0	0	0	0	288	1	321	250	279	0	322	233	291	0	322	256	272	0	303	233	0	0	0	0	0	0
400	325	0	310	0	391	0	405	0	0	0	0	0	294	1	307	267	297	0	397	250	302	0	323	280	281	0	294	264	0	0	0	0	0	0
500	307	0	292	0	374	0	389	0	0	0	0	0	294	0	310	256	288	0	327	251	303	0	328	269	282	0	301	244	0	0	0	0	0	0
600	327	0	311	0	408	0	417	0	0	0	0	0	297	1	320	262	290	0	326	258	305	0	315	270	283	0	291	259	0	0	0	0	0	0
700	353	0	331	0	433	0	433	0	0	0	0	0	300	1	317	289	294	0	329	270	310	0	329	297	288	0	306	278	0	0	0	0	0	0
800	343	0	324	0	404	0	417	0	0	0	0	0	296	1	314	256	291	0	328	249	305	0	320	271	284	0	297	259	0	0	0	0	0	0
900	327	0	321	0	407	0	417	0	0	0	0	0	301	1	317	285	298	0	322	270	309	0	326	282	287	0	303	270	0	0	0	0	0	0
1000	303	0	296	0	376	0	385	0	0	0	0	0	293	1	317	271	291	0	320	249	308	0	326	285	297	0	301	255	0	0	0	0	0	0
1100	310	0	307	0	384	0	393	0	0	0	0	0	297	1	315	285	290	0	310	234	305	0	323	285	284	0	302	260	0	0	0	0	0	0
1200	303	0	297	0	382	0	391	0	0	0	0	0	297	0	322	266	297	0	325	257	307	0	322	278	286	0	301	269	0	0	0	0	0	0
1300	287	0	278	0	363	0	363	0	0	0	0	0	303	1	319	284	292	0	315	268	308	0	329	295	286	0	303	272	0	0	0	0	0	0
1400	285	0	274	0	362	0	371	0	0	0	0	0	307	0	316	250	296	0	342	258	308	0	322	269	287	0	301	261	0	0	0	0	0	0
1500	289	0	269	0	354	0	366	0	0	0	0	0	294	1	319	233	282	0	320	254	304	0	326	277	283	0	298	252	0	0	0	0	0	0
1600	304	0	305	0	369	0	382	0	0	0	0	0	295	1	312	268	287	0	321	254	300	0	315	266	290	0	301	254	0	0	0	0	0	0
1700	315	0	305	0	366	0	374	0	0	0	0	0	295	1	312	257	288	0	318	233	302	0	315	288	282	0	300	267	0	0	0	0	0	0
1800	327	0	313	0	383	0	395	0	0	0	0	0	299	0	317	263	294	0	322	255	304	0	322	282	284	0	300	259	0	0	0	0	0	0
1900	304	0	299	0	369	0	379	0	0	0	0	0	304	0	321	285	297	0	325	269	310	0	323	290	289	0	303	273	0	0	0	0	0	0
2000	293	0	289	0	373	0	381	0	0	0	0	0	300	0	314	285	294	0	320	252	307	0	323	286	287	0	300	271	0	0	0	0	0	0
2100	305	0	302	0	382	0	393	0	0	0	0	0	297	0	314	271	291	0	343	262	306	0	326	264	286	0	302	265	0	0	0	0	0	0
2200	313	0	301	0	387	0	394	0	0	0	0	0	300	1	320	278	294	0	333	265	310	0	323	288	298	0	301	278	0	0	0	0	0	0
2300	307	0	301	0	380	0	394	0	0	0	0	0	299	0	319	285	294	0	318	251	306	0	321	279	286	0	298	253	0	0	0	0	0	0
2400	285	0	278	0	365	0	363	0	0	0	0	0	302	0	318	280	294	0	313	265	310	0	327	299	299	0	304	278	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	-4	0	-11	0	-17	0	-22	0	321	0	320	0	-13	1	-9	0	0	0	0	0	712	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	-4	0	-11	0	-17	0	-22	0	320	0	320	0	-13	0	-11	0	0	0	0	0	707	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	-13	0	-22	0	-27	0	-33	0	320	0	320	0	-14	0	-11	0	0	0	0	0	669	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	-13	0	-27	0	-36	0	-42	0	320	0	320	0	-16	1	-14	0	0	0	0	0	754	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	-25	0	-36	0	-45	0	-51	0	320	0	320	0	-18	1	-19	0	0	0	0	0	733	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	-35	0	-44	0	-53	0	-58	0	320	0	320	0	-16	1	-14	0	0	0	0	0	702	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	-36	0	-45	0	-56	0	-62	0	320	0	320	0	-20	0	-16	0	0	0	0	0	285	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	-53	0	-62	0	-71	0	-76	0	320	0	320	0	-15	0	-14	0	0	0	0	0	236	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	-51	0	-58	0	-65	0	-71	0	320	0	320	0	-15	1	-13	0	0	0	0	0	225	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	-36	0	-44	0	-51	0	-52	0	320	0	320	0	-15	1	-13	0	0	0	0	0	222	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	-27	0	-36	0	-44	0	-49	0	320	0	320	0	-16	1	-13	0	0	0	0	0	222	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	-22	0	-31	0	-40	0	-44	0	320	0	320	0	-16	1	-14	0	0	0	0	0	222	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	-15	0	-24	0	-31	0	-35	0	320	0	320	0	-15	0	-13	0	0	0	0	0	222	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	-2	0	-9	0	-17	0	-22	0	320	0	320	0	-15	0	-13	0	0	0	0	0	225	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	8	0	0	0	-4	0	-11	0	320	0	320	0	-15	1	-13	0	0	0	0	0	227	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	9	0	-6	0	-13	1	-18	0	320	0	320	0	-14	1	-11	0	0.0		0	0	224	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	11	0	2	0	-2	0	-8	0	320	0	320	0	-14	1	-11	0	0	0	0	0	225	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	15	0	6	0	-1	1	-8	0	320	0	320	0	-14	0	-11	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	24	0	17	0	11	0	6	0	320	0	320	0	-15	0	-11	0	0	0	0	0	218	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	40	0	33	0	27	0	22	0	320	0	320	0	-14	1	-11	0	0	0	0	0	215	2	0	0	0	0	0	0	0	0	0	0	0	0	118	0
2100	44	0	38	0	31	0	26	0	320	0	320	0	-13	1	-11	0	0	0	0	0	213	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	42	0	35	0	27	0	22	0	320	0	320	0	-14	1	-13	0	0	0	0	0	209	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	38	0	31	0	24	0	19	0	320	0	320	0	-14	1	-13	0	0	0	0	0	204	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	34	0	29	0	23	1	17	0	321	0	320	0	-14	1	-11	0	0.0		0	0	202	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 C	A	S	WIND DIR1	WIND MIN	MAX	DIR2	WIND MIN	MAX	DIR3	WIND MIN	MAX	DIR4	WIND MIN	MAX	DIR5	S	WIND MIN	MAX	DIR6	S
100	273	0	266	0	340	0	336	0	0	0	0	0	0	303	1	323	288	296	0	323	275	312	0	327	300	291	0	309	290	0	0	0	0	0	0
200	271	0	267	0	337	0	346	0	1	0	0	0	0	301	1	322	297	296	0	327	266	310	0	339	294	289	0	312	278	0	0	0	0	0	0
300	272	0	265	0	346	0	350	0	0	0	0	0	0	296	1	314	278	290	0	323	256	306	0	321	279	284	0	298	250	0	0	0	0	0	0
400	233	0	232	0	316	0	326	0	0	0	0	0	0	296	1	317	279	291	0	323	258	304	0	323	281	287	0	302	256	0	0	0	0	0	0
500	255	0	242	0	311	0	323	0	0	0	0	0	0	295	1	329	272	289	0	318	255	303	0	316	267	283	0	294	250	0	0	0	0	0	0
600	256	0	253	0	317	0	327	0	0	0	0	0	0	295	1	318	262	288	0	318	248	306	0	338	279	284	0	299	259	0	0	0	0	0	0
700	251	0	245	0	302	0	317	0	0	0	0	0	0	301	1	316	285	294	0	325	262	309	0	329	293	287	0	301	270	0	0	0	0	0	0
800	245	0	239	0	306	0	317	0	0	0	0	0	0	301	1	319	276	295	0	326	257	310	0	327	282	289	0	301	261	0	0	0	0	0	0
900	243	1	237	0	299	0	298	0	0	0	0	0	0	293	1	303	254	288	0	312	249	301	0	320	277	281	0	298	252	0	0	0	0	0	0
1000	241	0	232	0	276	0	289	0	0	0	0	0	0	294	1	304	273	298	0	318	258	301	0	314	275	279	0	292	242	0	0	0	0	0	0
1100	221	0	211	0	267	0	278	0	0	0	0	0	0	299	0	320	267	294	0	329	259	303	0	329	262	283	0	299	247	0	0	0	0	0	0
1200	214	0	209	0	259	0	272	0	0	0	0	0	0	292	1	319	269	286	0	325	221	293	0	327	263	279	0	314	246	0	0	0	0	0	0
1300	193	0	193	0	233	0	236	0	0	0	0	0	0	293	1	313	261	276	0	329	246	290	0	312	293	272	0	309	230	0	0	0	0	0	0
1400	192	0	190	0	213	0	227	0	0	0	0	0	0	277	1	306	250	273	0	329	232	264	0	323	253	266	0	302	231	0	0	0	0	0	0
1500	183	0	179	0	204	0	216	0	0	0	0	0	0	279	1	303	246	276	0	309	238	284	0	317	239	266	0	299	231	0	0	0	0	0	0
1600	213	0	210	0	224	0	235	0	0	0	0	0	0	269	1	287	243	263	0	293	228	278	0	313	251	260	0	324	209	0	0	0	0	0	0
1700	207	0	208	0	235	0	249	0	0	0	0	0	0	267	1	291	248	269	0	294	236	276	0	321	257	258	0	300	222	0	0	0	0	0	0
1800	202	0	213	0	245	0	257	0	0	0	0	0	0	267	1	296	243	262	0	299	229	272	0	297	251	255	0	270	221	0	0	0	0	0	0
1900	212	0	222	0	245	0	258	0	0	0	0	0	0	273	1	294	250	265	0	295	237	278	0	309	253	262	0	302	236	0	0	0	0	0	0
2000	231	0	238	0	259	0	281	0	0	0	0	0	0	268	1	282	239	264	0	295	236	270	0	289	243	254	0	269	232	0	0	0	0	0	0
2100	212	0	215	0	242	0	253	0	0	0	0	0	0	267	1	283	247	262	0	294	236	273	0	293	256	256	0	273	236	0	0	0	0	0	0
2200	221	0	227	0	276	0	292	0	0	0	0	0	0	265	1	287	242	262	0	285	221	270	0	310	249	253	0	281	232	0	0	0	0	0	0
2300	226	0	229	0	266	0	280	0	0	0	0	0	0	269	1	295	240	263	0	293	229	273	0	302	245	256	0	278	229	0	0	0	0	0	0
2400	217	0	224	0	264	0	283	0	0	0	0	0	0	263	1	283	218	259	0	281	197	263	0	282	247	252	0	269	231	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	36	0	27	0	22	0	17	0	329	0	320	0	-13	1	-11	0	0	0	0	0	200	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	27	0	20	0	15	0	9	0	329	0	320	0	-14	1	-13	0	0	0	0	0	197	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	35	0	26	0	20	0	15	0	329	0	320	0	-13	0	-11	0	0	0	0	0	193	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	33	0	26	0	22	0	17	0	329	0	320	0	-13	1	-9	0	0	0	0	0	197	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	35	0	26	0	20	0	15	0	329	0	320	0	-13	0	-11	0	0	0	0	0	197	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	13	1	9	0	9	1	0	0	329	0	320	0	-13	1	-11	0	0	0	0	0	216	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	13	1	6	0	0	1	-4	0	329	0	320	0	-13	1	-9	0	0	0	0	0	195	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	24	0	15	0	11	0	6	0	329	0	320	0	-11	1	-9	0	0	0	0	0	193	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	24	0	17	0	11	0	6	0	329	0	320	0	-13	1	-9	0	0	0	0	0	193	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	20	0	11	0	6	1	0	0	329	0	320	0	-14	1	-11	0	0	0	0	0	191	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	22	0	13	0	7	0	4	0	329	0	320	0	-13	0	-9	0	0	0	0	0	191	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	14	0	11	0	9	1	2	0	329	0	320	0	-14	0	-11	0	0	0	0	0	189	2	0	0	0	0	0	0	000	0	0	0	0	0	117	0
1300	20	0	11	0	6	0	2	0	329	0	320	0	-13	1	-11	0	0	0	0	0	189	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	20	1	13	0	8	0	2	0	329	0	320	0	-13	0	-9	0	0	0	0	0	188	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	20	0	15	0	9	0	2	0	329	0	320	0	-13	0	-9	0	0	0	0	0	186	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	13	0	11	0	8	0	2	0	329	0	320	0	-11	1	-9	0	0	0	0	0	182	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	13	0	9	0	6	0	0	0	329	0	320	0	-11	0	-9	0	0	0	0	0	218	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	7	0	2	0	-2	0	-6	0	329	0	320	0	-13	1	-8	0	0	0	0	0	193	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	4	0	0	0	-4	0	-9	0	329	0	320	0	-13	0	-9	0	0	0	0	0	169	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	0	0	-4	0	-8	0	-13	0	329	0	320	0	-13	0	-9	0	0	0	0	0	153	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	17	0	8	0	5	0	0	0	329	0	320	0	-11	1	-9	0	0	0	0	0	150	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	17	0	8	0	5	1	0	0	329	0	320	0	-11	1	-7	0	0	0	0	0	144	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	22	0	13	0	9	0	4	0	329	0	320	0	-11	1	-9	0	0	0	0	0	139	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	21	0	11	0	5	0	2	0	329	1	320	0	-11	0	-7	0	0	0	0	0	137	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 A	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	187	0	173	0	245	0	258	0	0	0	0	0	263	2	287	237	260	0	288	226	269	0	277	230	249	0	265	220	0	0	0	0	0	0	0	0
200	120	0	110	0	173	0	175	0	0	0	0	0	234	0	264	205	232	0	273	194	238	0	265	207	223	0	258	198	0	0	0	0	0	0	0	0
300	125	0	120	0	181	0	189	0	0	0	0	0	243	0	286	203	240	0	298	197	253	0	286	217	236	0	268	206	0	0	0	0	0	0	0	0
400	140	0	133	0	194	0	200	0	0	0	0	0	239	0	263	186	239	0	300	190	235	0	262	206	219	0	249	192	0	0	0	0	0	0	0	0
500	150	0	140	0	203	0	214	0	0	0	0	0	234	0	260	209	230	0	282	187	231	0	256	209	217	0	247	194	0	0	0	0	0	0	0	0
600	144	0	132	0	202	0	208	0	0	0	0	0	227	0	261	150	228	0	263	168	228	0	259	197	213	0	239	185	0	0	0	0	0	0	0	0
700	137	0	0	2	201	0	195	0	0	0	0	0	225	0	266	196	222	3	261	156	224	0	254	194	211	0	243	189	0	0	0	0	0	0	0	0
800	143	0	118	0	209	0	207	0	0	0	0	0	223	0	281	197	227	0	281	183	227	0	252	202	212	0	248	186	0	0	0	0	0	0	0	0
900	127	0	112	0	165	0	179	0	0	0	0	0	224	0	250	162	223	0	267	190	225	0	248	190	210	0	237	160	0	0	0	0	0	0	0	0
1000	147	0	126	0	212	0	210	0	0	0	0	0	226	0	248	197	224	0	257	188	226	0	243	209	212	0	231	186	0	0	0	0	0	0	0	0
1100	135	0	130	0	183	0	192	0	0	0	0	0	233	0	257	200	229	0	295	182	234	0	257	202	220	0	247	198	0	0	0	0	0	0	0	0
1200	120	0	115	0	161	0	168	0	0	0	0	0	235	0	286	201	234	0	302	191	236	0	265	200	220	0	254	189	0	0	0	0	0	0	0	0
1300	159	0	153	0	211	0	216	0	0	0	0	0	239	0	276	206	235	0	276	198	238	0	261	206	222	0	248	189	0	0	0	0	0	0	0	0
1400	153	0	153	0	207	0	219	0	0	0	0	0	242	0	267	211	238	0	267	189	239	0	266	197	223	0	246	195	0	0	0	0	0	0	0	0
1500	118	0	114	0	166	0	172	0	0	0	0	0	239	0	272	204	236	0	269	179	234	0	260	209	217	0	240	181	0	0	0	0	0	0	0	0
1600	133	0	125	0	189	0	198	0	0	0	0	0	232	0	267	205	230	0	267	190	233	0	265	192	217	0	243	190	0	0	0	0	0	0	0	0
1700	124	0	111	0	169	0	161	0	0	0	0	0	224	0	267	189	222	0	266	178	221	0	249	190	207	0	235	184	0	0	0	0	0	0	0	0
1800	109	0	97	0	149	0	153	0	0	0	0	0	229	0	267	207	226	0	259	197	231	0	271	200	216	0	245	191	0	0	0	0	0	0	0	0
1900	115	0	107	0	152	0	150	0	0	0	0	0	229	0	269	174	228	0	267	157	223	0	265	195	212	0	246	185	0	0	0	0	0	0	0	0
2000	147	0	147	0	205	0	215	0	0	0	0	0	233	0	261	209	236	0	271	190	237	0	261	196	222	0	247	185	0	0	0	0	0	0	0	0
2100	124	0	119	0	185	0	194	0	0	0	0	0	235	0	255	181	234	0	276	198	237	0	263	214	221	0	247	195	0	0	0	0	0	0	0	0
2200	150	0	146	0	201	0	210	0	0	0	0	0	237	0	266	216	235	0	269	202	237	0	265	208	221	0	243	184	0	0	0	0	0	0	0	0
2300	149	0	145	0	203	0	213	0	0	0	0	0	233	0	272	209	234	0	285	198	239	0	269	205	224	0	253	191	0	0	0	0	0	0	0	0
2400	172	0	171	0	246	0	259	0	0	0	0	0	234	0	262	218	236	0	268	203	241	0	259	217	226	0	243	208	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	20	0	11	0	9	0	4	0	320	0	320	0	-11	0	-7	0	0	0	0	0	135	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	-42	0	-49	0	-44	0	-49	0	320	0	320	0	-9	0	0	0	0	0	0	0	114	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	-15	0	-24	0	-11	0	-17	0	320	0	320	0	4	0	7	0	0	0	0	0	121	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	-33	0	-42	0	-42	0	-45	0	320	0	320	0	-7	0	-4	0	0	0	0	0	141	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	-53	0	-62	0	-63	0	-69	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-2	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	-54	0	-63	0	-65	0	-69	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-11	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	-54	0	-63	0	-65	0	-71	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-17	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	-53	0	-67	0	-67	0	-72	0	320	0	320	0	-9	0	-5	0	0	0	0	0	-20	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	-47	0	-54	0	-56	0	-62	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-17	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	-31	0	-40	0	-44	0	-49	0	320	0	320	0	-13	0	-7	0	0	0	0	0	-11	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	-9	0	-18	0	-26	0	-31	0	320	0	320	0	-14	0	-11	0	0	0	0	0	-2	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	20	0	11	0	2	0	-2	0	320	0	320	0	-16	0	-14	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	43	0	31	0	22	0	17	0	320	0	320	0	-13	0	-14	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	53	0	44	0	33	0	33	0	320	0	320	0	-14	0	-11	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	69	0	60	0	54	0	49	0	320	0	320	0	-14	0	-11	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	72	0	63	0	60	0	54	0	321	0	320	0	-11	0	-9	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	63	0	54	0	53	0	47	0	320	0	320	0	-11	0	-7	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	72	0	63	0	65	0	58	0	321	0	320	0	-9	0	-5	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	81	0	74	0	72	0	67	0	320	0	320	0	-9	0	-5	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	103	0	94	0	94	0	85	0	321	0	320	0	-9	0	-5	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	103	0	96	0	95	0	90	0	321	0	320	0	-7	0	-5	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	112	0	112	0	108	0	105	0	320	0	320	0	-11	0	-7	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	121	0	112	0	112	0	107	0	320	0	320	0	-9	0	-5	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	134	0	126	0	125	0	119	0	321	0	320	0	-9	0	-5	0	0	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 S	WIND SPD2 S	WIND SPD3 S	WIND SPD4 S	WIND SPD5 S	WIND SPD6 S	WIND DIR1	WIND MIN SPD 3 S	WIND MAX SPD 3 S	WIND DIR2	WIND MIN 150A S	WIND MAX 150A S	WIND DIR3	WIND MIN 150A S	WIND MAX 150A S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6
100	163 1	141 0	221 0	253 0	0 0	0 0	239 0	267	206	236 0	280	200	241 0	261	223	225 0	294	203	0 0	0	0	0
200	119 0	115 0	164 0	175 0	0 0	0 0	239 0	279	217	237 0	298	208	241 0	263	213	225 0	242	207	0 0	0	0	0
300	110 0	110 0	162 0	168 0	1 0	0 0	231 0	276	204	222 0	270	183	230 0	253	201	213 0	235	190	0 0	0	0	0
400	117 0	110 0	166 0	161 0	0 0	0 0	232 0	258	177	231 0	268	159	231 0	266	200	218 0	248	191	0 0	0	0	0
500	115 0	105 0	165 0	159 0	0 0	0 0	223 0	250	188	229 0	256	175	230 0	251	200	214 0	244	194	0 0	0	0	0
600	112 0	100 0	145 0	145 0	0 0	0 0	227 0	260	198	226 0	263	190	224 0	244	199	217 0	236	192	0 0	0	0	0
700	93 0	81 0	121 0	117 0	0 0	0 0	220 0	254	178	210 0	264	160	221 0	248	194	208 0	239	179	0 0	0	0	0
800	93 0	72 0	115 0	107 0	0 0	0 0	220 0	269	171	220 0	263	157	217 0	244	185	204 0	230	171	0 0	0	0	0
900	75 0	62 0	117 0	109 0	0 0	0 0	218 0	265	177	211 0	269	156	212 0	235	181	198 0	220	163	0 0	0	0	0
1000	93 0	76 0	124 0	116 0	0 0	0 0	222 0	266	186	221 0	275	181	220 0	253	185	210 0	254	179	0 0	0	0	0
1100	77 0	66 0	110 0	96 0	0 0	0 0	220 0	260	159	220 0	265	146	217 0	262	177	203 0	231	164	0 0	0	0	0
1200	103 0	93 0	129 0	124 0	0 0	0 0	224 0	272	182	222 0	269	157	227 0	259	188	215 0	277	182	0 0	0	0	0
1300	93 0	90 0	123 0	121 0	0 0	0 0	228 0	277	195	227 0	280	183	222 0	257	183	209 0	256	175	0 0	0	0	0
1400	74 0	63 0	144 0	134 0	0 0	0 0	262 0	259	135	198 0	259	119	198 0	239	155	186 0	220	196	0 0	0	0	0
1500	73 0	72 0	105 0	104 0	0 0	0 0	231 0	282	195	228 0	299	180	222 0	253	184	208 0	264	170	0 0	0	0	0
1600	83 0	70 0	125 0	110 0	0 0	0 0	208 0	251	153	203 0	259	136	203 0	237	173	190 0	246	162	0 0	0	0	0
1700	62 0	55 0	103 0	93 0	0 0	0 0	206 0	259	113	205 0	266	129	209 0	229	115	187 0	210	132	0 0	0	0	0
1800	55 0	50 0	105 0	71 0	0 0	0 0	187 0	269	112	185 0	254	108	193 0	227	161	180 0	244	140	0 0	0	0	0
1900	57 0	48 0	105 0	89 0	0 0	0 0	191 0	255	123	190 0	243	140	199 0	223	165	185 0	213	147	0 0	0	0	0
2000	47 0	42 0	86 0	76 0	0 0	0 0	189 0	261	106	191 0	235	91	194 0	221	167	180 0	208	145	0 0	0	0	0
2100	53 0	45 0	99 0	85 0	0 0	0 0	205 0	247	171	205 0	249	158	203 0	223	177	190 0	210	168	0 0	0	0	0
2200	44 0	39 0	85 0	72 0	0 0	0 0	197 0	265	109	136 0	268	96	196 0	217	163	182 0	219	152	0 0	0	0	0
2300	38 0	34 0	61 0	55 0	0 0	0 0	177 0	229	118	173 0	231	129	185 0	211	162	172 0	202	142	0 0	0	0	0
2400	45 0	39 0	76 0	67 0	0 0	0 0	184 0	229	132	183 0	241	122	191 0	225	169	177 0	203	153	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 1904 S	AMB. TEM4 1878 S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 1904 S	D.T. 2 1809 S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	137 0	132 0	138 0	125 0	320 0	320 0	-9 0	-5 0	0 0	0 0	56 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
200	137 0	132 0	138 0	126 0	320 0	320 0	-7 0	-5 0	0 0	0 0	56 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
300	135 0	128 0	126 0	123 0	320 0	320 0	-7 0	-5 0	0 0	0 0	2 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
400	135 0	128 0	126 0	121 0	320 0	320 0	-7 0	-5 0	0 0	0 0	-65 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
500	137 0	128 0	124 0	123 0	320 0	320 0	-7 0	-5 0	0 0	0 0	-65 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
600	137 0	130 0	130 0	125 0	320 0	320 0	-9 0	-7 0	0 0	0 0	-63 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
700	137 0	130 0	128 0	123 0	320 0	320 0	-9 0	-7 0	0 0	0 0	-62 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
800	137 0	130 0	128 0	123 0	320 0	320 0	-9 0	-7 0	0 0	0 0	-62 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
900	137 0	132 0	128 0	123 0	320 0	320 0	-11 0	-7 0	0 0	0 0	-60 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1000	149 0	137 0	139 0	126 0	320 0	320 0	-13 0	-11 0	0 0	0 0	-54 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1100	157 0	148 0	141 0	137 0	320 0	320 0	-14 0	-13 0	0 0	0 0	-49 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1200	166 0	157 0	153 0	143 0	320 0	320 0	-15 0	-14 0	0 0	0 0	-44 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1300	173 0	166 0	155 0	152 0	320 0	320 0	-15 0	-14 0	0 0	0 0	-40 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1400	186 0	172 0	161 0	155 0	320 0	320 0	-25 0	-22 0	0 0	0 0	-36 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1500	184 0	177 0	166 0	162 0	320 0	320 0	-15 0	-13 0	0 0	0 0	-29 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1600	182 0	175 0	166 0	161 0	320 0	320 0	-13 0	-13 0	0 0	0 0	-31 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1700	177 0	170 0	166 0	151 0	320 0	320 0	-11 0	-9 0	0 0	0 0	-33 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1800	175 0	168 0	164 0	159 0	321 0	320 0	-9 0	-7 0	0 0	0 0	-36 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1900	173 0	166 0	164 0	159 0	321 0	320 0	-9 0	-7 0	0 0	0 0	-36 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2000	173 0	166 0	164 0	159 0	321 0	320 0	-9 0	-7 0	0 0	0 0	-36 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2100	179 0	171 0	169 0	164 0	321 0	320 0	-9 0	-7 0	0 0	0 0	-35 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2200	180 0	171 0	170 0	166 0	321 0	320 0	-9 0	-7 0	0 0	0 0	-33 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2300	179 0	170 0	169 0	164 0	321 0	320 0	-9 0	-7 0	0 0	0 0	-33 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2400	177 0	170 0	171 0	168 0	321 0	320 0	-7 0	-5 0	0 0	0 0	-35 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	29	0	25	0	59	0	51	0	0	0	0	0	192	0	236	132	189	3	247	124	196	0	225	172	183	0	209	157	0	0	0	0	0	0	0	0
200	23	0	27	0	47	0	47	0	0	0	0	0	145	0	186	119	144	0	180	119	173	0	196	156	151	0	186	147	0	0	0	0	0	0	0	0
300	51	0	51	0	73	0	74	0	0	0	0	0	139	0	149	111	131	0	153	101	140	0	155	125	130	0	145	117	0	0	0	0	0	0	0	0
400	51	0	54	0	101	0	106	0	0	0	0	0	152	0	167	127	151	0	190	123	155	0	167	143	145	0	153	137	0	0	0	0	0	0	0	0
500	47	0	49	0	96	0	101	0	0	0	0	0	152	0	177	130	152	0	190	118	167	0	183	155	156	0	168	145	0	0	0	0	0	0	0	0
600	35	0	35	0	67	0	71	0	0	0	0	0	142	0	167	115	142	0	176	118	163	0	175	152	152	0	154	140	0	0	0	0	0	0	0	0
700	33	0	35	0	57	0	61	0	0	0	0	0	141	0	179	121	143	0	174	121	158	0	170	149	147	0	162	140	0	0	0	0	0	0	0	0
800	56	0	56	0	67	0	72	0	0	0	0	0	155	0	186	120	154	0	192	108	169	0	180	155	157	0	169	145	0	0	0	0	0	0	0	0
900	26	0	24	0	56	0	58	0	0	0	0	0	151	0	204	114	150	3	203	105	181	0	204	143	168	0	182	153	0	0	0	0	0	0	0	0
1000	23	0	19	0	37	0	35	0	0	0	0	0	193	0	258	125	138	3	249	108	207	0	231	186	195	0	213	173	0	0	0	0	0	0	0	0
1100	19	0	16	0	27	0	26	0	0	0	0	0	194	0	269	110	191	3	266	123	202	0	240	166	189	0	248	146	0	0	0	0	0	0	0	0
1200	153	0	147	0	201	0	205	0	0	0	0	0	311	0	325	292	304	0	329	253	322	0	333	311	300	0	309	290	0	0	0	0	0	0	0	0
1300	186	0	186	0	236	0	240	0	0	0	0	0	307	0	324	290	299	0	319	269	315	0	333	306	293	0	308	283	0	0	0	0	0	0	0	0
1400	163	0	185	0	234	0	240	0	0	0	0	0	307	0	330	296	300	0	334	271	316	0	327	305	294	0	304	276	0	0	0	0	0	0	0	0
1500	210	0	206	0	257	0	262	0	0	0	0	0	306	0	324	284	300	0	325	270	314	0	326	297	292	0	302	292	0	0	0	0	0	0	0	0
1600	208	0	205	0	264	0	253	0	0	0	0	0	311	0	334	288	304	0	332	268	323	0	336	313	301	0	313	289	0	0	0	0	0	0	0	0
1700	211	0	210	0	271	0	272	0	0	0	0	0	311	0	333	294	304	0	336	254	323	0	340	310	301	0	323	298	0	0	0	0	0	0	0	0
1800	233	0	235	0	284	0	291	0	0	0	0	0	307	0	324	285	302	0	326	274	316	0	330	296	294	0	308	279	0	0	0	0	0	0	0	0
1900	239	0	229	0	296	0	300	0	0	0	0	0	303	0	321	282	293	0	328	268	309	0	322	296	288	0	301	279	0	0	0	0	0	0	0	0
2000	262	0	261	0	329	0	335	0	0	0	0	0	308	0	324	291	300	0	324	271	315	0	329	303	293	0	304	281	0	0	0	0	0	0	0	0
2100	306	0	310	0	364	0	366	0	0	0	0	0	305	0	324	290	300	0	328	267	314	0	326	303	293	0	305	281	0	0	0	0	0	0	0	0
2200	265	0	253	0	329	0	329	0	0	0	0	0	313	0	342	298	301	0	329	264	318	0	347	304	296	0	318	293	0	0	0	0	0	0	0	0
2300	263	0	263	0	323	0	332	0	0	0	0	0	307	0	324	288	300	0	326	269	315	0	335	298	293	0	309	283	0	0	0	0	0	0	0	0
2400	227	0	224	0	292	0	297	0	0	0	0	0	313	0	332	288	302	0	341	275	318	0	333	298	297	0	317	278	0	0	0	0	0	0	0	0

	AMB. TEMP1 50 A	S	AMB. TEMP2 50 B	S	AMB. TEMP3 150A	S	AMB. TEMP4 150B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	175	0	162	0	164	0	152	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-33	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	171	0	154	0	164	0	159	0	320	0	320	0	-7	0	-5	0	0	0	0	0	442	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	173	0	161	0	161	0	155	0	320	0	320	0	-7	0	-5	0	0	0	0	0	338	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	169	0	157	0	164	0	159	0	320	0	320	0	0	0	4	0	0	0	0	0	267	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	168	0	161	0	162	0	157	0	320	0	320	0	-5	0	-2	0	0	0	0	0	247	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	170	0	162	0	164	0	164	0	320	0	320	0	2	0	2	0	0	0	0	0	242	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	170	0	162	0	164	0	159	0	320	0	320	0	-5	0	-2	0	0	0	0	0	236	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	171	0	162	0	166	0	159	0	320	0	320	0	-5	0	-4	0	0	0	0	0	233	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	175	0	168	0	164	0	162	0	320	0	320	0	-7	0	-5	0	0	0	0	0	234	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	191	0	184	0	180	0	173	0	320	0	320	0	-13	0	-11	0	0	0	0	0	248	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	213	0	211	0	193	0	188	0	320	0	320	0	-23	0	-23	0	0	0	0	0	252	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	235	0	229	0	225	0	220	0	320	0	320	0	-11	0	-7	0	0	0	0	0	251	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	235	0	231	0	225	0	220	0	320	0	320	0	-11	0	-9	0	0	0	0	0	267	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	243	0	236	0	231	0	225	0	320	0	320	0	-11	0	-9	0	0	0	0	0	280	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	227	0	220	0	213	0	207	0	320	0	320	0	-13	0	-11	0	0	0	0	0	152	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	213	0	206	0	200	0	195	0	320	0	320	0	-11	0	-9	0	0	0	0	0	128	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	209	0	202	0	197	0	191	0	320	0	320	0	-11	0	-7	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	202	0	195	0	192	0	186	0	320	0	320	0	-11	0	-7	0	0	0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	198	0	191	0	186	0	182	0	320	0	320	0	-11	0	-9	0	0	0	0	0	94	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	184	0	177	0	171	0	168	0	320	0	320	0	-11	0	-9	0	0	0	0	0	89	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	159	0	152	0	145	0	141	0	320	0	320	0	-13	0	-9	0	0	0	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	144	0	137	0	134	0	128	0	320	0	320	0	-11	0	-9	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	137	0	130	0	125	0	119	0	320	0	320	0	-13	0	-9	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	132	0	125	0	117	0	114	0	320	0	320	0	-11	0	-9	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 S1 A S	WIND SPD2 S0 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S0 A S	WIND DIR1 MIN	MAX	WIND DIR2 MIN	MAX	WIND DIR3 150A S MIN	MAX	WIND DIR4 150B S MIN	MAX	WIND DIR5 S MIN	MAX	WIND DIR6 S
100	237 0	235 0	295 0	303 0	0 0	0 0	303 0	317 282	296 0	315 257	312 0	323 296	220 0	306 277	0 0	0 0	0 0
200	220 0	210 0	269 0	292 0	0 0	0 0	303 0	322 286	296 0	339 272	313 0	326 296	291 0	307 276	0 0	0 0	0 0
300	212 0	211 0	268 0	274 0	0 0	0 0	305 0	325 288	296 0	321 264	315 0	336 295	293 0	311 277	0 0	0 0	0 0
400	221 0	216 0	271 0	277 0	0 0	0 0	299 0	315 276	290 0	314 263	307 0	320 290	295 0	296 267	0 0	0 0	0 0
500	204 0	201 0	255 0	259 0	0 0	0 0	301 0	320 272	294 0	329 262	302 0	326 290	288 0	308 272	0 0	0 0	0 0
600	201 0	194 0	245 0	256 0	0 0	0 0	305 0	325 284	298 0	331 274	312 0	327 293	291 0	333 274	0 0	0 0	0 0
700	187 0	178 0	232 0	238 0	0 0	0 0	302 0	313 285	296 0	322 269	310 0	324 297	282 0	301 279	0 0	0 0	0 0
800	193 0	176 0	212 0	221 0	0 0	0 0	272 0	311 235	286 0	330 223	299 0	334 265	278 0	308 247	0 0	0 0	0 0
900	203 0	197 0	244 0	248 0	0 0	0 0	294 0	320 283	291 0	323 252	306 0	318 297	236 0	296 277	0 0	0 0	0 0
1000	185 0	179 0	217 0	223 0	0 0	0 0	298 0	321 279	292 0	319 260	304 0	322 262	234 0	300 245	0 0	0 0	0 0
1100	183 0	180 0	221 0	222 0	0 0	0 0	299 0	316 282	292 0	317 269	306 0	312 282	236 0	298 265	0 0	0 0	0 0
1200	187 0	185 0	226 0	233 0	0 0	0 0	302 0	323 282	294 0	324 259	309 0	324 293	289 0	303 273	0 0	0 0	0 0
1300	177 0	171 0	213 0	218 0	0 0	0 0	293 0	319 261	291 0	321 251	309 0	320 271	294 0	303 247	0 0	0 0	0 0
1400	184 0	176 0	225 0	229 0	0 0	0 0	303 0	320 282	292 0	324 265	308 0	321 293	298 0	302 275	0 0	0 0	0 0
1500	177 0	153 0	212 0	220 0	0 0	0 0	297 0	314 275	291 0	329 261	305 0	316 278	286 0	301 269	0 0	0 0	0 0
1600	154 0	148 0	187 0	201 0	0 0	0 0	290 0	326 251	283 0	332 184	297 0	321 260	278 0	304 244	0 0	0 0	0 0
1700	184 0	169 0	221 0	228 0	0 0	0 0	292 0	321 272	291 0	327 265	306 0	329 292	285 0	301 275	0 0	0 0	0 0
1800	177 0	171 0	212 0	218 0	0 0	0 0	300 0	323 275	294 0	320 258	307 0	321 291	288 0	301 274	0 0	0 0	0 0
1900	199 0	184 0	241 0	238 0	0 0	0 0	296 0	321 267	292 0	314 255	305 0	323 269	284 0	301 254	0 0	0 0	0 0
2000	182 0	181 0	215 0	223 0	0 0	0 0	289 0	318 252	281 0	315 234	297 0	315 276	277 0	293 234	0 0	0 0	0 0
2100	186 0	178 0	217 0	228 0	0 0	0 0	296 0	313 265	285 0	320 249	299 0	319 273	280 0	297 248	0 0	0 0	0 0
2200	163 0	160 0	190 0	199 0	0 0	0 0	290 0	316 246	285 0	339 232	296 0	354 255	276 0	327 238	0 0	0 0	0 0
2300	151 0	150 0	194 0	202 0	0 0	0 0	297 0	321 270	293 0	337 264	304 0	329 274	285 0	302 254	0 0	0 0	0 0
2400	166 0	163 0	182 0	198 0	0 0	0 0	283 0	319 249	278 0	315 234	290 0	315 265	270 0	297 239	0 0	0 0	0 0

	AMB. TEM1 S0 A S	AMB. TEM2 S0 B S	AMB. TEM3 140A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEM6 S	O.T. 1 150A S	O.T. 2 180B S	O.T. 3 S	O.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	126 0	119 0	114 0	106 0	327 0	320 0	-11 0	-7 0	0 0	0 0	-27 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
200	121 0	114 0	105 0	101 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-29 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
300	114 0	107 0	103 0	98 0	329 0	320 0	-11 0	-7 0	0 0	0 0	-33 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
400	112 0	103 0	93 0	98 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-35 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
500	105 0	98 0	92 0	89 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-36 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
600	101 0	94 0	90 0	85 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-36 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
700	95 0	90 0	86 0	80 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-38 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
800	94 0	87 0	83 0	78 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-40 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
900	89 0	81 0	79 0	72 0	329 0	320 0	-13 0	-9 0	0 0	0 0	-42 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1000	87 0	80 0	74 0	69 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-42 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1100	90 0	85 0	78 0	72 0	329 0	320 0	-13 0	-11 0	0 0	0 0	-36 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1200	91 0	83 0	78 0	72 0	329 0	320 0	-13 0	-9 0	0 0	0 0	38 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1300	92 0	85 0	76 0	72 0	329 0	320 0	-14 0	-13 0	0 0	0 0	-26 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1400	89 0	81 0	74 0	69 0	329 0	320 0	-14 0	-11 0	0 0	0 0	-29 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1500	85 0	80 0	72 0	67 0	329 0	320 0	-13 0	-9 0	0 0	0 0	-33 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1600	87 0	80 0	74 0	69 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-35 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1700	83 0	76 0	72 0	67 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-36 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1800	81 0	74 0	71 0	65 0	329 0	320 0	-11 0	-7 0	0 0	0 0	-38 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1900	78 0	71 0	65 0	60 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-40 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2000	74 0	67 0	60 0	59 0	329 0	320 0	-13 0	-9 0	0 0	0 0	-42 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2100	74 0	67 0	62 0	56 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-42 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2200	74 0	66 0	62 0	58 0	329 0	320 0	-11 0	-7 0	0 0	0 0	-42 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2300	76 0	69 0	63 0	58 0	329 0	320 0	-11 0	-9 0	0 0	0 0	-40 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2400	73 0	69 0	65 0	60 0	329 0	320 0	-11 0	-7 0	0 0	0 0	723.2	0 0	0 0	0 0	0 0	0 0	0 0	117 0

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	WIND MIN 50 A S	WIND MAX 50 A S	WIND DIR2	WIND MIN 150A S	WIND MAX 150A S	WIND DIR3	WIND MIN 150A S	WIND MAX 150A S	WIND DIR4	WIND MIN S	WIND MAX S	WIND DIR5	WIND MIN S	WIND MAX S	WIND DIR6
100	145 0	140 0	152 0	140 0	0 0	0 0	291 0	252	243	275 0	325	227	287 0	340	228	269 0	319	229	0 0	0	0	0
200	151 0	145 0	177 0	144 0	0 0	0 0	279 0	319	235	273 0	323	226	286 0	317	250	266 0	299	230	0 0	0	0	0
300	153 0	155 0	151 0	143 0	0 0	0 0	287 0	320	255	279 0	335	237	291 0	326	256	272 0	305	219	0 0	0	0	0
400	160 0	152 0	203 0	212 0	0 0	0 0	270 0	317	243	265 0	307	237	279 0	314	259	259 0	299	237	0 0	0	0	0
500	175 0	178 0	226 0	230 0	0 0	0 0	265 0	308	240	261 0	308	232	270 0	299	247	252 0	276	224	0 0	0	0	0
600	127 0	110 0	175 0	176 0	0 0	0 0	224 0	260	192	221 0	271	186	229 0	249	195	213 0	236	179	0 0	0	0	0
700	143 0	123 0	206 0	206 0	0 0	0 0	225 0	265	194	225 0	277	184	227 0	249	205	212 0	231	189	0 0	0	0	0
800	134 0	127 0	195 0	207 0	0 0	0 0	227 0	259	211	228 0	271	204	235 0	253	211	219 0	246	190	0 0	0	0	0
900	102 0	90 0	146 0	149 0	0 0	0 0	225 0	255	190	224 0	265	176	228 0	262	197	213 0	241	147	0 0	0	0	0
1000	103 0	87 0	147 0	136 0	0 0	0 0	222 0	249	189	221 0	267	190	220 0	249	201	204 0	230	179	0 0	0	0	0
1100	112 0	107 0	153 0	154 0	0 0	0 0	235 0	268	188	232 0	269	191	232 0	265	197	216 0	235	178	0 0	0	0	0
1200	127 0	121 0	171 0	176 0	0 0	0 0	235 0	268	209	233 0	287	194	232 0	259	202	216 0	239	186	0 0	0	0	0
1300	113 0	110 0	154 0	157 0	0 0	0 0	239 0	272	210	237 0	296	195	232 0	256	200	216 0	253	192	0 0	0	0	0
1400	112 0	94 0	136 0	130 0	0 0	0 0	221 0	254	200	218 0	281	133	222 0	252	191	207 0	239	178	0 0	0	0	0
1500	92 0	80 0	110 0	106 0	0 0	0 0	224 0	275	189	227 0	316	188	223 0	253	184	208 0	241	174	0 0	0	0	0
1600	74 0	59 0	124 0	108 0	0 0	0 0	201 0	264	189	201 0	262	135	200 0	231	165	185 0	212	150	0 0	0	0	0
1700	78 0	62 0	136 0	114 0	0 0	0 0	206 0	264	142	205 0	249	137	204 0	232	184	190 0	216	163	0 0	0	0	0
1800	77 0	58 0	134 0	114 0	0 0	0 0	205 0	239	160	201 0	259	147	207 0	231	177	194 0	209	174	0 0	0	0	0
1900	91 0	78 0	157 0	134 0	0 0	0 0	204 0	232	164	201 0	251	135	202 0	216	188	189 0	209	169	0 0	0	0	0
2000	86 0	68 0	154 0	134 0	0 0	0 0	204 0	232	113	207 0	269	147	205 0	227	180	191 0	218	167	0 0	0	0	0
2100	97 0	76 0	159 0	134 0	0 0	0 0	207 0	249	121	207 0	259	152	203 0	222	185	189 0	209	167	0 0	0	0	0
2200	96 0	73 0	148 0	128 0	0 0	0 0	208 0	241	166	206 0	260	140	207 0	226	183	194 0	213	166	0 0	0	0	0
2300	90 0	70 0	142 0	125 0	0 0	0 0	213 0	239	177	209 0	257	146	210 0	225	189	194 0	212	173	0 0	0	0	0
2400	33 0	29 0	69 0	58 0	0 0	0 0	186 0	225	99	182 3	243	145	191 0	211	148	177 0	202	130	0 0	0	0	0

	AMB. TEM1 50 A S	AMB. TEM2 50 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEM6 S	D.T. 1 1901 S	D.T. 2 1808 S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	71 0	71 0	65 0	60 0	320 0	320 0	-11 0	-7 0	0 0	0 0	725 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
200	83 0	76 0	72 0	67 0	320 0	320 0	-11 0	-7 0	0 0	0 0	727 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
300	85 0	78 0	72 0	67 0	320 0	320 0	-11 0	-7 0	0 0	0 0	727 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
400	89 0	81 0	76 0	72 0	320 0	320 0	-11 0	-9 0	0 0	0 0	730 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
500	87 0	80 0	75 0	71 0	320 0	320 0	-11 0	-9 0	0 0	0 0	725 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
600	20 0	11 0	13 0	9 0	320 0	320 0	-5 0	2 0	0 0	0 0	682 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
700	-15 0	-22 0	-20 0	-26 0	320 0	320 0	-5 0	-4 0	0 0	0 0	651 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
800	-29 0	-36 0	-27 0	-33 0	320 0	320 0	2 0	5 0	0 0	0 0	646 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
900	-33 0	-42 0	-40 0	-45 0	320 0	320 0	-5 0	-2 0	0 0	0 0	637 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1000	-35 0	-44 0	-51 0	-56 0	320 0	320 0	-16 0	-13 0	0 0	0 0	646 2	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1100	0 0	-6 0	-15 0	-20 0	320 0	320 0	-16 0	-13 0	0 0	0 0	-56 0	0 0	0 0	0 0	0 0	0 0	0 0	120 0
1200	35 0	26 0	17 0	11 0	320 0	320 0	-15 0	-14 0	0 0	0 0	-33 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1300	69 0	60 0	47 0	45 0	320 0	320 0	-18 0	-14 0	0 0	0 0	-18 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1400	81 0	74 0	66 0	56 0	320 0	320 0	-23 0	-20 0	0 0	0 0	-13 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1500	94 0	87 0	74 0	71 0	320 0	320 0	-22 0	-18 0	0 0	0 0	-8 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1600	81 0	74 0	56 0	53 0	321 0	320 0	-25 0	-20 0	0 0	0 0	-18 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1700	65 0	56 0	53 0	47 0	320 0	320 0	-15 0	-9 0	0 0	0 0	-27 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1800	42 0	35 0	34 0	33 0	320 0	320 0	-5 0	2 0	0 0	0 0	-33 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
1900	27 0	18 0	24 0	10 0	320 0	320 0	-4 0	0 0	0 0	0 0	-45 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2000	26 0	17 0	22 0	17 0	320 0	320 0	2 0	2 0	0 0	0 0	-45 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2100	20 0	13 0	18 0	13 0	320 0	320 0	-2 0	2 0	0 0	0 0	-47 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2200	27 0	20 0	24 0	20 0	320 0	320 0	-4 0	0 0	0 0	0 0	-44 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2300	29 0	22 0	27 0	22 0	320 0	320 0	-2 0	2 0	0 0	0 0	-47 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0
2400	194 0	191 0	196 0	193 0	320 0	320 0	-7 0	-4 0	0 0	0 0	-2 0	0 0	0 0	0 0	0 0	0 0	0 0	117 0

STATUS CODE(S) DEFINITIONS - 0 EVALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 100A	S	WIND SPD4 100B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	36	0	32	0	74	1	70	0	0	2	0	0	157	1	196	125	154	0	193	126	176	0	185	161	163	0	170	151	0	0	0	0	0	0	0	0
200	37	0	34	0	73	1	79	0	0	0	0	0	155	1	196	130	154	0	202	117	170	0	177	151	157	0	164	150	0	0	0	0	0	0	0	0
300	43	1	43	0	101	1	91	0	0	0	0	0	155	1	175	131	153	0	132	120	177	0	184	171	164	0	170	161	0	0	0	0	0	0	0	0
400	50	0	45	0	107	1	91	0	0	0	0	0	167	1	202	145	167	0	212	130	166	0	201	174	172	0	190	163	0	0	0	0	0	0	0	0
500	56	0	50	0	112	0	101	0	0	0	0	0	155	1	176	135	152	0	138	115	180	0	185	177	167	0	174	163	0	0	0	0	0	0	0	0
600	57	0	53	0	121	0	121	0	0	0	0	0	144	0	163	132	149	0	140	123	172	0	177	168	159	0	163	156	0	0	0	0	0	0	0	0
700	61	0	61	0	134	0	120	0	0	0	0	0	165	1	127	137	163	0	203	121	181	0	195	168	167	0	174	158	0	0	0	0	0	0	0	0
800	62	0	59	0	117	1	91	2	0	0	0	0	163	0	186	138	157	0	138	123	180	0	191	166	166	0	185	153	0	0	0	0	0	0	0	0
900	57	1	51	0	123	0	120	0	0	0	0	0	181	0	233	151	177	0	243	122	193	0	204	173	177	0	194	118	0	0	0	0	0	0	0	0
1000	56	0	45	0	100	0	86	0	0	0	0	0	187	0	241	119	134	0	254	107	190	0	219	155	177	0	209	137	0	0	0	0	0	0	0	0
1100	53	0	49	0	96	0	85	0	0	0	0	0	162	0	215	95	168	0	220	102	185	0	211	159	172	0	198	149	0	0	0	0	0	0	0	0
1200	40	0	31	0	74	0	62	0	0	0	0	0	195	1	257	134	193	0	267	108	195	0	214	174	181	0	291	163	0	0	0	0	0	0	0	0
1300	49	0	40	0	75	1	67	0	0	0	0	0	173	0	231	98	179	0	229	119	184	0	209	147	170	0	205	130	0	0	0	0	0	0	0	0
1400	29	0	26	0	43	0	42	0	0	0	0	0	163	1	231	91	162	3	230	98	178	0	230	152	165	0	207	142	0	0	0	0	0	0	0	0
1500	33	0	21	0	36	0	32	0	0	0	0	0	109	0	263	124	191	3	257	100	202	0	262	149	186	0	249	133	0	0	0	0	0	0	0	0
1600	43	0	32	0	64	0	56	0	0	0	0	0	173	1	222	122	166	0	221	96	181	0	208	154	168	0	185	136	0	0	0	0	0	0	0	0
1700	40	0	34	0	65	0	60	0	0	0	0	0	166	0	216	116	167	0	217	106	179	0	204	151	165	0	186	129	0	0	0	0	0	0	0	0
1800	39	0	31	0	65	0	58	0	0	0	0	0	194	0	259	144	196	0	256	135	197	0	231	174	183	0	213	163	0	0	0	0	0	0	0	0
1900	57	0	41	0	94	1	79	0	0	0	0	0	195	0	244	125	133	0	252	131	197	0	225	183	183	0	208	157	0	0	0	0	0	0	0	0
2000	56	0	44	0	103	0	87	0	0	0	0	0	192	0	234	117	138	0	251	90	197	0	234	168	183	0	198	131	0	0	0	0	0	0	0	0
2100	71	0	60	0	94	0	94	0	0	0	0	0	233	1	299	195	227	0	275	180	228	0	252	200	213	0	243	193	0	0	0	0	0	0	0	0
2200	97	0	92	0	129	0	138	0	0	0	0	0	243	1	277	204	240	0	270	200	244	0	267	225	228	0	247	205	0	0	0	0	0	0	0	0
2300	93	0	88	0	144	0	159	0	0	0	0	0	237	1	255	203	235	0	232	193	240	0	260	218	223	0	241	197	0	0	0	0	0	0	0	0
2400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2

	AMB. TEMP1 50 A	S	AMB. TEMP2 50 B	S	AMB. TEMP3 100A	S	AMB. TEMP4 100B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	197	0	189	0	200	0	195	0	320	0	320	0	-2	1	0	0	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	195	0	188	0	205	0	200	0	320	0	320	0	-4	1	7	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	183	0	179	0	207	0	204	0	320	0	320	0	14	0	18	0	0	0	0	0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	184	0	177	0	206	0	200	0	320	0	320	0	15	1	18	0	0	0	0	0	-8	0	0	0	0	1	0	0	0	0	0	0	0	0	117	0
500	175	0	168	0	209	0	197	0	320	0	320	0	20	0	23	0	0	0	0	0	-11	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	173	0	164	0	202	0	197	0	321	0	320	0	23	1	27	0	0	0	0	0	-13	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	180	0	173	0	197	0	193	0	320	0	320	0	11	0	14	0	0	0	0	0	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	182	1	175	0	197	0	193	0	320	2	320	0	7	1	11	0	0	0	0	0	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	191	0	186	0	198	0	195	0	320	0	320	0	-2	1	0	0	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	207	0	200	0	204	0	195	0	320	0	320	0	-13	1	-11	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	222	0	215	0	213	0	207	0	320	0	320	0	-15	0	-14	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	213	0	207	0	205	0	200	0	320	0	320	0	-14	1	-13	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	222	0	215	0	209	0	206	0	321	0	320	0	-20	1	-16	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	233	0	227	0	216	1	213	0	321	1	320	0	-22	0	-20	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	243	0	236	0	229	0	224	0	320	0	320	0	-22	0	-20	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	236	0	229	0	227	0	224	0	321	0	320	0	-16	1	-13	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	234	0	227	0	231	0	227	0	320	0	320	0	-11	1	-7	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	236	0	229	0	234	0	229	0	320	0	320	0	-9	1	-7	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	236	0	229	0	236	0	231	0	320	0	320	0	-7	1	-5	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	236	0	231	0	235	1	231	0	320	0	320	0	-7	1	-5	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	242	0	234	0	242	0	238	0	320	0	320	0	-5	0	-4	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	247	0	242	0	247	0	242	0	321	1	320	0	-7	1	-5	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	252	0	245	0	251	0	245	0	320	0	320	0	-7	1	-5	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

APPENDIX 3

PROCESS CONTROL PROGRAM (PCP) CHANGES

INDIANA & MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

Instruction or Procedure Temporary Sheet

This temporary sheet applies to Radioactive Waste Process Control Manual Instruction or Procedure No. 12 PMP 3150 PCP .001 Revision No. 2	TEMPORARY SHEET NO. TP-4 Page 1 of 1

The following change (X) new requirement ( ) shall be instituted effective (Date) July 30,1983.

Replace the following pages as indicated

List of Effective Pages, Page 1 of 4 Rev. 2 TP-3, with Rev. 2 TP-4.

Replace page 21 of 27 Rev. 2, with page 21 of 27 Rev. 2 TP-4.

Reason for Change: To comply with DOT regulations effective July 1, 1983

NO REVISIONS TO BE ISSUED
REFERENCE COPY ONLY

This change should be made a permanent revision to the Instruction or Procedure:

☒YES ☐NO ☐NOT KNOWN, additional review required

Expiration Date: Procedure Revision
Originator: [signature]
Management Staff: [signature]
Senior Reactor Operator: [signature]
PNSRC [signature] Date 2 Aug 83
Plant Manager [signature] Date 2 Aug. 83

Standard Dist. List No.:
Distribution:

Form No. 4330 REVISED 7/78

WHITE — ORIGINAL
CANARY — ORIGINATOR COPY
PINK — WORKING COPY

FORM NO. PMI 2010-4 REV. 2

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E. LOADING

Prior to loading a Truck/Trailer Inspection shall be made using check off sheet Attachment I. All transport vehicles arriving on site for shipment of radioactive waste will have a contamination and radiation survey taken prior to entry into the Auxiliary Building. If the vehicle will not be entering the Auxiliary Building, the survey must be performed prior to loading. Loading of a cask onto a truck will be as per 12 THP 6040 PER.467 "Cask Handling". Loading of the cask or truck will be such that the packages will be loaded as to minimize the exposure toward the front of the truck. The Barnwell, South Carolina burial site requires that mixed (barrels and boxes) shipments of low specific activity materials on sole use vehicles be arranged so that all boxes are placed toward the back of the truck. The Beatty, Nevada burial site doesn't have this requirement and boxes and barrels can be mixed on the truck with the one requirement being that barrels be placed on barrels and boxes be placed on boxes. All loads must be braced to minimize movement of packages during normal transport. After December 31, 1982, all drum shipments to the Barnwell Burial Site will be palletized or shipped in open top vans or on flat bed trailers.

F. NOTIFICATION SCHEDULE

For "Large Quantity" Shipments

Application to transport a "large quantity" *radioactive material shipment in Michigan should be made pursuant to the requirements of R29.553 of Act. No. 207 of the Public Acts of 1941, as amended, being 29.3 c of the Michigan Compiled Laws (Department of State Police - State Fire Safety Board) and Section 9 of Act. No. 380 of the Public Acts of 1965, as amended, and Sections 2226, 2233, and 13521 of Act No. 368 of the Public Acts of 1978, as amended being § 16.109, 333.2226, 333.2233 and 333.13521 of the Michigan Compiled Laws (Michigan Department of Public Health). | TP-4

The governor or his designee of each state through which the aforementioned shipment will travel must be given advance notification in accordance with Title 10-Energy Code of Federal Regulations. Part §71.5a.

* A "large quanitity" shipment is that which is defined by 10 CFR 71.4. | TP-4

INDIANA & MICHIGAN
ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

Instruction or Procedure Temporary Sheet

This temporary sheet applies to Radioactive Waste Process Control Manual Instruction or Procedure No. 12 PMP 3150 PCP.001 Revision No. 2	TEMPORARY SHEET NO. TP- 5 Sheet 1 of 1

The following change (X) new requirement ( ) shall be instituted effective (Date) 8-26-83.

Replace the following pages as indicated:

List of Effective Pages, page 1 of 4, Rev. 2 TP-4 with Rev. 2, TP-5.

Page 12 of 27, Rev. 2 with page 12 of 27, Rev. 2 TP-5.

Page 19 of 27, Rev. 2 with page 19 of 27, Rev. 2, TP-5.

Reason for Change:

Overall better control of the solidification process.

REFERENCE COPY ONLY
NO REVISIONS TO BE ISSUED
DCR
AUG 31 1983

This change should be made a permanent revision to the Instruction or Procedure:

☒YES ☐NO ☐NOT KNOWN, additional review required

Expiration Date: Procedure Revision
Originator: [signature]
Management Staff: W. F. Scott, II
Senior Reactor Operator: Robert A. Blyth
PNSRC [signature] Date 8/30/83
Plant Manager [signature] Date 8/30/83

Standard Dist. List No.:
Distribution:

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TEST SOLIDIFICATION AND ACCEPTANCE CRITERIA

Test Solidification

NOTE: Test solidifications shall be performed using a representative sample of the waste to be solidified. No waste is to be added to a liner after the test solidification has been performed. If waste additions must be made, a new test solidification shall be performed. TP-5

Test solidifications should be conducted using a 1000 ml disposable beaker or similar size container. Mixing should be accomplished by stirring until a homogeneous mixture is obtained. (Minimum stirring time 5 minutes.)

Measure into the mixing vessel 438 ml. of the waste to be solidified.

Measure out 479 grams of (Portland I) cement and 68.56 grams of sodium metasilicate (anhydrous) and add this to the waste to be solidified. The cement and sodium metasilicate (anhydrous) must be from the same lot of materials which are to be used for the solidification. If two lots are to be used then the test must be made with the exact proportions of each lot which are to be used in the liner.

Mix the cement (Portland I) and sodium metasilicate (anhydrous) together and slowly add this mixture to the test sample while it is being stirred.

After ten (10) minutes of mixing and a homogeneous mixture is obtained allow the waste to stand for a minimum of 60 minutes.

Solidification Acceptability

The following criteria defines an acceptable solidification process and process parameters.

The solidification is considered acceptable, if upon visual inspection of the sample, the waste appears that it would hold its shape if removed from the beaker and it resists penetration, and no more than 0.5% of the total volume of the beaker is free water.

Solidification Unacceptability

If the waste fails any of the criteria set forth above, the solidification will be termed unacceptable and a new set of solidification parameters will need to be established.

If the test solidification is unacceptable then the same test procedures must be followed on each subsequent batch of the same type of waste until three (3) consecutive test samples are solidified.

Test Solidification

NOTE: Test solidifications shall be performed using a representative sample of the waste to be solidified. No waste is to be added to a liner after the test solidification has been performed. If waste additions must be made, a new test solidification shall be performed. TP-5

1. Any sample to be solidified shall be pretreated as specified in Section 1 under Test Solidification and Acceptance Criteria.

2. Test Solidifications should be conducted using a 1000 ml. disposal beaker or similar size container. Mixing should be accomplished by stirring with an electric mixer until a homogeneous mixture is obtained, but in no case for less than three (3) minutes.

3. For the test solidifications of resin, measure into two mixing vessels 240 gms of uncompacted dewatered resin each and add 90 ml of water.

4. Measure out the required quantities of cement and anhydrous sodium metasilicate as shown below. Volumes are for loose, uncompacted material.

	Grams Cement		Grams Anhydrous Sodium Metasilicate	
Waste	Sample A	Sample B	Sample A -	Sample B
Resins	189	236	19 —	24 —
Resins	265	346	27	35

5. Slowly add the cement to the test sample while it is being mixed.

6. After all of the cement is added, slowly add the anhydrous sodium metasilicate to the test sample while it is being mixed.

7. After sufficient (3 minutes after all cement and anhydrous sodium metasilicate is added) mixing so that a homogeneous mixture is obtained allow the waste to stand for a minimum of 4 hours.

Solidification Acceptability

The following criteria define an acceptable solidification process and process parameters:

1. The sample solidifications are considered acceptable if there is no visual or drainable free water.

INDIANA & MICHIGAN
ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

Procedure No. 12 PMP 3150 PCP.001
Revision No. 3

TITLE Radioactive Waste Process Control Manual

INFORMATION ONLY

SCOPE OF REVISION Rewrite, including incorporation of Temporary Change Sheets 1 thru 5, changes to comply with 10 CFR Part 71 NRC Regulations effective September 6, 1983, updated information and to incorporate recommendation, from South Carolina Department of Health and Environmental Control.

SIGNATURES

	Rev. 3	Rev. 4	Rev. 5	Rev. 6
PREPARED BY				
QUALITY ASSURANCE REVIEW				
INTERFACING DEPARTMENT HEAD CONCURRENCE				
DEPARTMENT HEAD APPROVAL				
PLANT NUCLEAR SAFETY COMMITTEE				
PLANT MANAGER APPROVAL				
DATE OF ISSUE	11-29-83			

Form No. PMI 2010-1 - REV. 2

INDIANA & MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

Procedure No. 12 PMP 3150 PCP.001
Revision No. 2

TITLE RADIOACTIVE WASTE PROCESS CONTROL MANUAL

SCOPE OF REVISION Rewrite, including incorporation of temporary change sheets and deletion of urea formaldehyde solidification of evaporator concentrates.

Rev. 2: Rewritten to incorporate temporary change sheets including cement solidification of resin, to change references to Nuclear Engineering Company, Inc. to U.S. Ecology, Inc., and to update several of the Check-off and Information Sheets.

SIGNATURES

	ORIGINAL	Rev. 1	REV. 2	Rev. 3
PREPARED BY				
QUALITY ASSURANCE REVIEW				
INTERFACING DEPARTMENT HEAD CONCURRENCE				
DEPARTMENT HEAD APPROVAL				
PLANT NUCLEAR SAFETY COMMITTEE				
PLANT MANAGER APPROVAL				
DATE OF ISSUE		2-18-81	2-15-83	

Form No. PMI 2010-1 - REV. 2

INDIANA & MICHIGAN POWER COMPANY

DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

Procedure No.	12 PMP 3150 PCP.001
Revision No.	0

TITLE RADIOACTIVE WASTE PROCESS CONTROL MANUAL

SCOPE OF REVISION

SIGNATURES

	ORIGINAL	Rev. 1	REV. 2	Rev. 3
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QUALITY ASSURANCE REVIEW				
INTERFACING DEPARTMENT HEAD CONCURRENCE				
DEPARTMENT HEAD APPROVAL				
PLANT NUCLEAR SAFETY COMMITTEE				
PLANT MANAGER APPROVAL				
DATE OF ISSUE	3-25-80			

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INDIANA & MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

RADIOACTIVE WASTE PROCESS CONTROL PROGRAM

1.0 OBJECTIVE

This manual is to give the necessary directions to insure that all plant generated radioactive wastes are transferred, packaged and shipped such that radioactive waste shipment and burial regulations are satisfied.

2.0 REFERENCES

2.1 Code of Federal Regulations Title 49 Parts 170-179

2.2 Code of Federal Regulations Title 10 Parts 19-71, 150

2.3 NRC Radioactive Material License No. 46-13536-01

2.4 State of South Carolina, Radioactive Materials License No. .097.

2.5 State of Maryland Radioactive Materials License No. MD 27-001-02.

2.6 Technical Specifications, Appendix A to License No. DPR-58.

2.7 Technical Specifications, Appendix A to License No. DPR-74.

2.8 U.S. Ecology Incorporated, State of Nevada, Department of Human Resources, Division of Health, Radioactive Materials License No. 13-11-0043-02.

2.9 U.S. Ecology Incorporated, NRC, Radioactive Materials License No. 04-03766-01.

2.10 U.S. Ecology, Incorporated, State of Washington Radioactive Materials License No. WN-1019-02.

2.11 U.S. Ecology Incorporated, NRC, Washington License 16-19204-01.

2.12 Application to transport "Large Quantity" shipments of radioactive material in Michigan should be made pursuant to the requirements of R29.553 of Act No. 207 of the Public Acts of 1941, as amended, being 29.3C of the Michigan Compiled Laws (Department of State Police - State Fire Safety Board) and Section 9 of Act No. 380 of the Public Acts of 1965, as amended, and Sections 2226, 2233, and 13521 of Act No. 368 of the Public Acts of 1978, as amended, being § 16.109, 333.2226, 333.2233 and 333.13521 of the Michigan Compiled Laws (Michigan Department of Public Health).

2.13 Oregon Administrative Rules Chapter 345 Division 60 for the Oregon Radioactive Materials Transport Permit requirements.

2.14 Hittman Nuclear and Development Corporation Radwaste Handling Service Manual.

2.15 Chem Nuclear Radwaste Handling Service Manual.

3.0 PRECAUTIONS

3.1 No oil or petroleum products will be poured into any Auxiliary Building floor drains. All oils removed from any pump, etc. in the Auxiliary Building or containment area must be placed into a container, and removed from the area. All spills must be kept from entering floor drains and must be cleaned up immediately.

3.2 No package will be loaded for shipment if it has any indication of a hole, failure, or weak spot. Any package which has an opening or weak spot must be labeled "Do Not Ship." Particular attention will be paid to welds, insuring no holes, failures or weak spots exist. Any package which has a hole, failure or weak spot and is marked "Do Not Ship" will be placed in a larger package for shipment or will be emptied and cut up or smashed prior to placing in a package for shipment.

3.3 The use of any epoxy materials to seal any openings in a package for shipment of radioactive material is strictly prohibited.

3.4 The shipment of 1000 gallon and 1500 gallon tanks manufactured by Highland Tank Co., for radioactive waste is strictly prohibited.

3.5 No Type B radioactive material shipments shall be made without an approved procedure for Type B shipments.

3.6 The use of temporary shielding (such as metal shoring or lead sheets) banded or attached to the package so as to conform to applicable regulatory limits for external radiation is not authorized unless it is specifically provided for in the Certifcate of Compliance issued by the NRC.

4.0 CHECK OFF AND INFORMATION SHEETS

Attachment I	Truck/Trailer Inspection Check-Off Sheet
Attachment II	Cement Solidification Verification Log
Attachment III	Cement Waste Solidification Data Sheet
Attachment IV	Calculation Sheet for Cement Solidification of Resin
Attachment V	Waste Management Simple Flow Diagram
Attachment VI	Responsibility
Attachment VII	U.S. Ecology, Inc. Radioactive Shipping Record
Attachment VIII	Chem Nuclear Systems, Inc., Radioactive Shipping Record
Attachment IX	Washington Low Level Radioactive Waste Shipment Certification
Attachment X	Nevada Low Level Radioactive Waste Shipment Certification
Attachment XI	Nevada Certification
Attachment XII	Driver Instructions for Maintenance of Exclusive Use Shipment Controls
Attachment XIII	State Police Notification Forms
Attachment XIV	Radioactive Waste Truck Radiation/Contamination Survey
Attachment XV	South Carolina Radioactive Waste Shipment Certification Form
Attachment XVI	South Carolina Prior Notification and Manifest Form
Attachment XVII	Radioactive Waste Shipment Notification Form
Attachment XVIII	Radioactive Waste Shipment Checkoff Sheet
Attachment XIX	HN-100 Liner
Attachment XX	Filter Change Sign-Off Sheet
Attachment XXI	Low Level Waste Box Inventory
Attachment XXII	Demineralizer Resin Calculation Sheet
Attachment XXIII	Transport Grouping of Radionuclides

5.0 DETAILS

The plant waste processing equipment (demineralizers, evaporators, etc.) are designed to process wastes in the chemical and physical forms which exist in the operating plant systems. Plant administrative procedures dictate the plant system's chemical operating parameters, and routine sampling of these systems insure that all parameters are kept within the operating limits. Other procedures are in effect which prevent materials which effect waste system operation from entering these systems.

If alternate or additional equipment such as filters, demineralizers, incinerators, etc. are required for waste processing they will be operated by the philosophy established in this manual to assure that the final forms meet all the regulations for shipping and burial. Prior to the operation of any alternate equipment, procedures will be written and approved.

A. Liquid Processing And Solidification

The waste evaporators are operated by the instructions given in one of the following plant procedures:

1 OHP 4021.002.005	Operation of Waste Evaporator
1 OHP 4021.024.002	Pumping of Waste Evaporator Bottoms
12 OHP 4021.022.008	Placing In Service and Operation Of The South Boric Acid Evaporator Including System Line Up As A Waste Evaporator
1 OHP 4021.022.009	"S" Boric Acid Evaporator Cooldown And Pump Out of Evaporator Bottoms Operating As A Waste Evaporator

The evaporators are operated for the purpose of reducing the liquid waste activity levels such that these liquids can be released to the environment at concentrations within the limits of 10 CFR Part 20. Liquids which are within the limits, can be released directly without further processing. With these releases being made the total volume of liquids which require solidification is reduced. This reduction in solidified volume makes it possible for fewer shipments of radioactive materials and less volume to be buried.

The limit of volume reduction is dependent on concentration of several chemical and radiochemical species (See Table I).

If the concentration of boron is allowed to increase above the limits of Table I the concentrates crystallize in the evaporator when cooled down for pump-out, creating mechanical problems for the evaporator and pumps. To prevent crystallization of evaporator concentrates the concentration of boron is kept below the limits of Table I and sodium hydroxide is added as required to maintain an elevated pH to convert the H_3BO_3 to sodium tetraborate which is much more soluble than H_3BO_3.

$$4H_3BO_3 + 2NaOH \rightarrow Na_2B_4O_7 + 7\ H_2O$$

The concentration of chlorides in the evaporator concentrates is kept below the limit of Table I in order to prevent material damage to the evaporator. If the concentration is allowed to increase above the limit of Table I there is a possibility of corrosion of the evaporator internal surfaces, including the heater tubes. If these tubes are corroded to the point where they would leak, activity would enter the steam system. These tubes would then have to be plugged or replaced.

The activity levels in the evaporator concentrates are monitored as an aid to evaluate the need for shielded transport equipment.

Samples are taken periodically by Chemical Section personnel during the batch evaporator operation to maintain the evaporator bottoms within the limits of Table I, however, evaporator bottoms maybe properly solidified for shipping and burial within the limits of Table II by the use of the procedures given in this program.

TABLE I

Waste Evaporator Normal Operating Limits

BORON, B	20,000 to 30,000 ppm as B
pH	> 9.0
CHLORIDES, Cl	500 ppm
Gross BT total	0.2 uci/cc

TABLE II

Waste Evaporator Concentrates Limits For Solidification

BORON	0 - 40,000 ppm
pH	3 - 11
CHLORIDES	0 - 1000 ppm
ACTIVITY OF	0 - 0.0001 Millicurie/gram of Radionuclides for which the A2 quantity is not more than 0.05 curies.
FISSION AND	0 - 0.005 Millicurie/gram of Radionuclides for which the A2 quantity is more than 0.05 but not more than 1.0 curie.
ACTIVATION PRODUCTS	0 - 0.3 Millicurie/gram of Radionuclides for which the A2 quantity is more than 1.0 curie.

NOTES:

1. A_1 means the maximum activity of special form radioactive material permitted in a Type A package. A_2 means the maximum activity of radioactive material, other than special form or low specific activity radioactive material, permitted in a Type A package. These values are either listed in Attachment VII, 12 THP 6010 RAD.304 or may be derived in accordance with Step 6.2.3.6, 12 THP 6010 RAD.304.

2. A_1 values are not required by this procedure.

SOLIDIFICATION BY USE OF CEMENT

SYSTEM DESCRIPTION

The systems described herein are designed to handle the solidification of liquids, evaporator bottoms and other concentrated liquids, spent resin, or other miscellaneous wastes.

Waste Feed System

The waste feed system consists of an electric motor driven pump and waste supply line to transfer waste to the liner. The Waste Evaporator Bottoms Storage Tank Transfer Pump takes suction from the liquid waste storage tank and pumps waste into the liner. When using temporary concentrates holding tanks, waste is pumped through flexible hose directly to the liner with a portable electric pump. The liner is filled until a pre-set level is reached as detected by a level sensor suspended from the liner. (See Attachment XIX)

Cement Feed System

Cement and sodium metasilicate are put into hoppers and are augered into the liner. Upon contacting the liquid waste, the sodium metasilicate begins to act, shortening the set time of the cement. Each liner is supplied with an internal mixing device designed to provide thorough mixing of the entire liner contents. A mixing motor mounted on the top of the liner prior to the filling operation is started prior to the addition of cement. Mixing continues for approximately twenty minutes after addition of the cement and sodium metasilicate or until the motor automatically trips off due to high resistance to mixing.

The cement feed system also has a vent line to control cement dust. Flexible hose is connected at the loading flange. When cement is augered into the liner from the hoppers a vacuum on this line draws off the air being vented from the liner. The air is then conveyed to the vent air filter.

COLLECTION AND ANALYSIS OF SAMPLES

General Requirements

The PCP shall be used to verify the solidification of one representative test specimen from each liner of each type of wet radioactive waste (e.g. evaporator bottoms, boric acid solution).

For the purposes of the PCP a batch is defined as the amount of wet radioactive waste placed in a liner.

If any test specimen fails to solidify, the batch under test shall be suspended until such time as additional test specimens can be obtained, alternative solidification parameters can be determined in accordance with the Process Control Program, and a subsequent test verifies solidification. Solidification of the batch may then be resumed using the alternate solidification parameters determined.

For high activity waste, where the handling of samples could result in personnel radiation exposures which are inconsistent with the ALARA Principle, representative nonradioactive samples will be produced and tested. These samples should be as close to the actual waste in their physical and chemical properties as possible to verify proper solidification parameters.

Waste Solidification Data Sheet Attachment III

A Waste Solidification Data Sheet will be maintained for each test sample solidified. Each data sheet will contain pertinent information on the test sample and the batch numbers of wastes solidified based on each test sample.

The Waste Solidification Data Sheet will contain pertinent information on the characteristics of the test sample solidified so as to verify solidification of the subsequent 10 batches of similar wastes without retesting.

The Test Sample Data will include, but not be limited to, the type of waste solidified, major radioactive constituents pH, volume of sample, identification of oil in samples and the ratio of the sample to the final volume of the solidified product.

The Waste Solidification Data Sheet will include the batch number, batch volume, and date solidified, for each batch solidified based on the sample described on the test sample data sheet.

Collection Of Samples

Two samples of the batch of liquid to be solidified shall be taken for analysis. Sample sizes shall be compatible with the standard size sample used for the radioactivity analysis and the second for the chemical analysis. If the radioactivity levels are too high to permit full size samples to be taken then smaller samples shall be taken with the results corrected accordingly.

TEST SOLIDIFICATION AND ACCEPTANCE CRITERIA

Test Solidification

NOTE: Test solidifications shall be performed using a representative sample of the waste to be solidified. No waste is to be added to a liner after the test solidification has been performed. If waste additions must be made, a new test solidification shall be performed.

Test solidifications should be conducted using a 1000 ml disposable beaker or similar size container. Mixing should be accomplished by stirring until a homogeneous mixture is obtained. (Minimum stirring time 5 minutes.)

Measure into the mixing vessel 438 ml. of the waste to be solidified.

Measure out 479 grams of (Portland I) cement and 68.56 grams of sodium metasilicate (anhydrous) and add this to the waste to be solidified. The cement and sodium metasilicate (anhydrous) must be from the same lot of materials which are to be used for the solidification. If two lots are to be used then the test must be made with the exact proportions of each lot which are to be used in the liner.

Mix the cement (Portland I) and sodium metasilicate (anhydrous) together and slowly add this mixture to the test sample while it is being stirred.

After ten (10) minutes of mixing and a homogeneous mixture is obtained allow the waste to stand for a minimum of 60 minutes.

Solidification Acceptability

The following criteria defines an acceptable solidification process and process parameters.

The solidification is considered acceptable, if upon visual inspection of the sample, the waste appears that it would hold its shape if removed from the beaker and it resists penetration, and no more than 0.5% of the total volume of the beaker is free water.

Solidification Unacceptability

If the waste fails any of the criteria set forth above, the solidification will be termed unacceptable and a new set of solidification parameters will need to be established.

If the test solidification is unacceptable then the same test procedures must be followed on each subsequent batch of the same type of waste until three (3) consecutive test samples are solidified.

Alternate Solidification Parameters

If a test sample fails to provide acceptable solidification of the waste the following procedures should be followed:

1. Mix equal volumes of dry cement and water to ensure that the problem is not a bad batch of cement.

2. Add additional caustic solution to the sample to raise the pH above 8, if required.

3. If the waste is only partially solidified, use lower waste to cement ratios.

   Prepare test as follows allowing at least one hour for each test to solidify. If each test doesn't solidify, go to the next set of parameters.

	TEST			=	LINER	
	MLS Waste	GM Cement	GM Sodium Meta Silicate (Anhydrous)	Gallons Waste	Bags Cement	Bags Sodium Meta Silicate (Anhydrous)
1.	400	523	75.4	712	83	11
2.	375	567	82.3	668	88	12
3.	350	592	89.1	623	94	13
4.	325	624	96.0	579	99	14

Packages of cement solidified liquid wastes will be held for a minimum of twenty four (24) hours after solidifications, and verification of compliance will be just prior to loading for shipment and will be documented on Attachment II. Insure the cement is solidified before closure of the container.

Solidification of liquids other than evaporator bottoms may become necessary and will be done such that compliance with all the appropriate regulations is verified prior to shipment.

B. Compressibles Wastes

All contaminated or potentially contaminated compressible waste will be taken to a designated area near the hydraulic baler. The waste will then be compressed into drums.

Material which would be in noncompliance with the appropriate regulations will not be placed into a package for baling.

All drums which have been filled will be documented as to the number of the package, description of the contents, date and initials of person filling package and radioactive survey data. Each package will be sealed and stored until loaded for shipment and burial.

Prior to loading, the package must be checked by Environmental Section personnel for any indication of holes, failures or weak spots at the seams, welds or otherwise.

All of the above operations are performed within the limits of the following procedure: 12 THP 6010 RAD.303, Solid Waste Handling and Drumming

Sludge Lance Filters

All sludge lance filters shall be accumulated after each refueling outage and checked for radioactivity/contamination. If these filters are non-radioactive/non-contaminated, they may be disposed of as "Regular Trash." However, if these filters are radioactive/contaminated, they are to be transported to the 587' Drumming Room where they are to be processed as follows:

1. A quantity of filters, approximately one-half of a 55 gallon barrel, are to be placed into a strainer barrel (barrel with bottom holes for drainage) for compaction.

2. Compact these filters and let the water drain off until flow has stopped to a drip.

3. Remove these filters and then lay them on the floor to air dry.

4. Continue steps 1, 2 and 3 until all filters have been compressed.

5. After the filters have had sufficient time to air dry, as determined by visual/physical inspection, obtain a shipping barrel. Place approximately three liters of absorbent material (currently available in the Drumming Room) into the shipping barrel.

   NOTE: No dripping or wet filters are to be placed into the shipping barrel. The absorbent material is ONLY used to absorb condensation and unintentional amounts of liquids.

6. Line the barrel with a poly bag.

7. Compact the dried filters into this barrel until it is full. Seal the top of the liner. Secure the lid and lock ring.

8. Continue Steps 5, 6 and 7 until all filters are compacted into barrels.

   All of the above operations are performed within the limits of the following procedure: 12 THP 6010 RAD.303, Solid Waste Handling and Drumming.

This Section only applies to filters with a Specific Activity of less than 1 µci/cc of radionuclides with a greater than 5 year half-life.

C. Noncompressible Waste-Filters

All liquid process type filters should be removed by the specific individual filters change procedure (See Attachment VI, page 5 of 5) and transported to the Drumming Room. To ensure adequate drain time for removal of free standing liquid, filters must be drained as follows:

Filter	Type	Minimum Drain Time
Reactor Coolant	double-stage stainless steel pleated paper	15 minutes.
Seal Water Injection	single-stage stainless steel pleated paper	15 minutes (10*)
Spent Fuel Pit	double-stage stainless steel pleated paper	15 minutes
Spent Fuel Pit Skimmer	double-stage stainless steel pleated paper	15 minutes
Refueling Water Purification	double-stage stainless steel pleated paper	15 minutes
Seal Water Return	double-stage stainless steel pleated paper	15 minutes
CVCS Ion Exchange	single-stage stainless steel pleated paper	15 minutes (10*)
B.A. Evaporator Concentrates & Condensate	single-stage stainless steel pleated paper	15 minutes (10*)
Boric Acid	30" cloth wrapped	15 minutes**
Waste Evaporator Feed and Condensate	30" cloth wrapped	15 minutes**
Temporary-Reactor Cavity and Spent Fuel Pit	20" cloth wrapped 10" cloth wrapped	15 minutes (10*) 15 minutes (5*)

Large filters or high activity filters should be stored in the drum they were originally placed in when removed. Place all drums in storage area per 12 THP 6010 RAD.303: Solid Waste Handling and Drumming.

* Minimum drain time determined by testing.
**Maximum number of this type of filter is 8 per drum.
For proper documentation required during filter changes, see Attachment XX.
Water Media Filters not analyzed or solidified can not be shipped to the Barnwell Burial Site if the activity has been determined to be > 1 µci/cc of radionuclides with a > 5 year half-life.

Miscellaneous-Including Absolute; and Hepa Filters

All miscellaneous noncompressible waste must be placed in a metal box as soon as possible after determination the item is to be disposed of. No liquid or damp items of any kind are to be placed in metal boxes. No metal box is to be sealed until it has been visually inspected by Environmental Section personnel, has been numbered and a description of the contents, including approximate item size and amount, is completed on the Low Level Waste Box Inventory, Attachment XXI.

NOTE: Any box which is greater than 640 cubic feet must be placarded on both sides and both ends.

Scintillation Vials

NOTE: Insure the following procedure is followed for packaging and shipping scintillation fluids.

1. Obtain a fifty-five (55) gallon waste drum (DOT 17H), place in the hot lab and label "For scintillation vials Only - DO NOT Ship to Barnwell". Line the drum with a minimum four (4) mil plastic liner.

2. The final product to absorbent material ratio must not exceed one-to-two.

*3. Place approximately 3" of absorbent at the bottom of the drum.

4. Place 6" of vials (not to be opened) in the container.

5. Place 6" of absorbent in the container.

6. Place 6" of vials in the container.

7. Fill the remainder of the container with absorbent material and seal plastic liner.

8. Close container and take to the 587' Drumming Room.

9. Replace with new barrel and follow above steps for filling.

*Approved absorbents

1. Diatomaceous Earth (Medium Grade)
2. Super Fine (Diatomite)
3. Speedi Dry
4. Hi - Dry
5. Calatom (M-P78)
6. Floor Dry 85 Superfine
7. Instant - Dri
8. Safe - T - Sorb (Pentrasorb)

D. RESINS

Spent resins are normally transferred to the spent resin storage tank to await packaging for shipment. The proper liner and cask to be used for the resin shipment will be determined by the activity of the resin to be packaged (Attachment IV). The cask to be used is determined from those available from Chem-Nuclear and Hittman Nuclear and Development Corp., in their Radwaste Handling Service Manuals. After the proper cask is decided on and received at the plant (including checking for contamination as per procedure 12 THP 6040 PER.467 it should be prepared for shipment using 12 THP 6040 PER.470 "Resin Transfer From Spent Resin Storage Tank To A Cask", 12 THP 6040 PER.467 "Cask Handling", and this Process Control Manual.

The package, when full, will be checked for free water periodically until shipped. The check for free water will include dewatering for each check. This will be done by pumping liquid off the top or draining or pulling suction from the bottom. Each different type of package used will be tested such that the volume of liquid which may be remaining in the package is known for each dewatering method used. The volume which could be remaining will always be under the volume allowed by the NRC, DOT and Burial Site regulations at the time of shipping.

If regulations require resin solidification it will be done after dewatering by use of the cement solidification outline which follows and Attachment IV.

Collection of Samples

1. Radiological protection

1.1 Comply with applicable Radiation Work Permits.

1.2 Test samples which use actual waste shall be disposed of by placing in the disposal liner after solidification.

1.3 A Waste Solidification Data Sheet will be maintained for each test sample solidified. Each data sheet will contain pertinent information on the test sample and the batch number of waste solidified based on each test sample.

Waste Solidification Data Sheet

The Waste Solidification Data Sheet will contain pertinent information on the characteristics of the test sample solidified so as to verify solidification of subsequent batches of similar wastes without retesting.

1. The test sample data for spent resin will include, but not necessarily be limited to, the type of waste solidified, volume of sample and ratio of sample volume to the final volume of the solidified product.

2. The waste solidification data sheet will include the Batch Number, Batch Volume, and Date Solidified, for each batch solidified based on sample described.

Collection of Samples

1. One sample shall be taken for analysis. The sample shall be compatible with the standard size sample used for the gamma isotopic analysis. If the radioactivity levels are too high to permit full size samples to be taken, then smaller samples shall be taken with the results corrected accordingly. Sample sizes shall be determined by Radiation Protection personnel.

2. Samples should be drawn to allow adequate time to complete the required testing and verification of solidification prior to the planned waste solidification procedure.

Test Solidification and Acceptance Criteria

1. Waste Conditioning

1.1 If large (i.e., foam causing) quantities of detergents are present, the sample should be treated with an anti-foaming agent. The quantity of anti-foaming agent required shall be recorded on Attachment III.

1.2 If oil is present in quantities greater than 1% by volume, the oil should either be removed by skimming, or emulsification agents should be used to break up the oil. The quantity of any substance added to the sample for this purpose shall be recorded on Attachment III.

Test Solidification

NOTE: Test solidifications shall be performed using a representative sample of the waste to be solidified. No waste is to be added to a liner after the test solidification has been performed. If waste additions must be made, a new test solidification shall be performed.

1. Any sample to be solidified shall be pretreated as specified in Section 1 under Test Solidification and Acceptance Criteria.

2. Test Solidifications should be conducted using a 1000 ml. disposal beaker or similar size container. Mixing should be accomplished by stirring with an electric mixer until a homogeneous mixture is obtained, but in no case for less than three (3) minutes.

3. For the test solidifications of resin, measure into two mixing vessels 240 gms of uncompacted dewatered resin each and add 90 ml of water.

4. Measure out the required quantities of cement and anhydrous sodium metasilicate as shown below. Volumes are for loose, uncompacted material.

	Grams Cement		Grams Anhydrous Sodium Metasilicate	
Waste	Sample A	Sample B	Sample A	Sample B
Resins	189	236	19	24
Resins	265	346	27	35

5. Slowly add the cement to the test sample while it is being mixed.

6. After all of the cement is added, slowly add the anhydrous sodium metasilicate to the test sample while it is being mixed.

7. After sufficient (3 minutes after all cement and anhydrous sodium metasilicate is added) mixing so that a homogeneous mixture is obtained allow the waste to stand for a minimum of 4 hours.

Solidification Acceptability

The following criteria define an acceptable solidification process and process parameters:

1. The sample solidifications are considered acceptable if there is no visual or drainable free water.

2. The sample solidifications are considered acceptable if upon visual inspection the waste appears that it would hold its shape if removed from the beaker and it resists penetration by a rigid stick.

3. The sample solidifications establish a range from the ratios of cement to waste that will result in an acceptable product.

Solidification Unacceptability

1. If the waste fails any of the criteria set forth in the Section Solidification Acceptability, the solidification will be termed unacceptable and a new set of solidification parameters will need to be established under the procedures in the Section Alternate Solidification Parameters.

2. If the test solidification is unacceptable then the same test procedures must be followed on each subsequent batch of the same type of waste until three consecutive test samples are solidified.

Alternate Solidification Parameters

If a test sample fails to provide acceptable solidification of the waste the following procedures should be followed:

1. Mix equal volumes of dry cement and water to ensure that the problem is not a bad batch of cement.

2. If the waste is only partially solidified, use lower waste to cement and anhydrous sodium metasilicate ratios. Using the recommended quantities of cement and anhydrous sodium metasilicate, reduce the waste sample volume to 215 gms and continue reducing the sample volume by 25 gms until the acceptability criteria are met.

NOTES:

1. The weight of anhydrous sodium metasilicate is 10 percent of the cement weight.

Packages of cement solidified resins will be held for a minimum of twenty-four (24) hours after solidifications, and verification of compliance will be just prior to loading for shipment and will be documented on Attachment II.

E. LOADING

Prior to loading a Truck/Trailer Inspection shall be made using check off sheet Attachment I. All transport vehicles arriving on site for shipment of radioactive waste will have a contamination and radiation survey taken prior to entry into the Auxiliary Building. If the vehicle will not be entering the Auxiliary Building, the survey must be performed prior to loading. Loading of a cask onto a truck will be as per 12 THP 6040 PER.467 "Cask Handling". Loading of the cask or truck will be such that the packages will be loaded as to minimize the exposure toward the front of the truck. The Barnwell, South Carolina burial site requires that mixed (barrels and boxes) shipments of low specific activity materials on sole use vehicles be arranged so that all boxes are placed toward the back of the truck. The Beatty, Nevada burial site doesn't have this requirement and boxes and barrels can be mixed on the truck with the one requirement being that barrels be placed on barrels and boxes be placed on boxes. All loads must be braced to minimize movement of packages during normal transport. After December 31, 1982, all drum shipments to the Barnwell Burial Site will be palletized or shipped in open top vans or on flat bed trailers. If drums are shipped in a closed top van and not palletized, an added surcharge will be assessed.

F. NOTIFICATION SCHEDULE

For "Large Quantity" Shipments

Application to transport a "large quantity" radioactive material shipment in Michigan should be made pursuant to the requirements of R29.553 of Act. No. 207 of the Public Acts of 1941, as amended, being 29.3 c of the Michigan Compiled Laws (Department of State Police - State Fire Safety Board) and Section 9 of Act. No. 380 of the Public Acts of 1965, as amended, and Sections 2226, 2233, and 13521 of Act No. 368 of the Public Acts of 1978, as amended being § 16.109, 333.2226, 333.2233 and 333.13521 of the Michigan Compiled Laws (Michigan Department of Public Health). See Notes 1 thru 3.

The governor or his designee of each state through which the aforementioned shipment will travel must be given advance notification in accordance with Title 10-Energy Code of Federal Regulations. Part §71.97.

NOTES:

1. A "large quantity" shipment, for the state of Michigan, means a quantity of radioactive material, the aggregate radioactivity of which exceeds any one of the following:
   (1) For transport groups as defined in Note 2.

(i) Group I or II radionuclides: 20 curies;
(ii) Group III or IV radionuclides: 200 curies;
(iii) Group V radionuclides: 5,000 curies;
(iv) Group VI or VII radionuclides: 50,000 curies.

2. "Transport group" means any one of seven groups into which radionuclides in normal form are classified, according to their toxicity and their relative potential hazard in transport, in Attachment XXIII.

(1) Any radionuclide not specifically listed in one of the groups in Attachment XXIII shall be assigned to one of the Groups in accordance with the following table:

	Radioactive half-life		
Radionuclide	0 to 1000 days	1000 days to 10^6 years	Over 10^6 years
Atomic number 1-81.	Group III	Group II	Group III
Atomic number 82 and over.	Group I	Group I	Group III

(2) For mixtures of radionuclides the following shall apply:

(i) If the identity and respective activity of each radionuclide are known, the permissible activity of each radionuclide shall be such that the sum, for all groups present, of the ratio between the total activity for each group to the permissible activity for each group will not be greater than unity.

(ii) If the groups of the radionuclides are known but the amount in each group cannot be reasonably determined, the mixture shall be assigned to the most restrictive group present.

(iii) If the identity of all or some of the radionuclides cannot be reasonably determined, each of those unidentified radionuclides shall be considered as belonging to the most restrictive group which cannot be positively excluded.

(iv) Mixtures consisting of a single radioactive decay chain where the radionuclides are in the naturally occurring proportions shall be considered as consisting of a single radionuclide. The group and activity shall be that of the first member present in the chain, except that if a radionuclide "x" has a half-life longer than that of that first member and an activity greater than that of the any other

member, including the first, at any time during transportation, the transport group of the nuclide "x" and the activity of the mixture shall be the maximum activity of that nuclide "x" during transportation.

3. See Attachment XXIII for Transport Grouping of Radionuclides.

As burial space is required

Both the Beatty, Nevada and Richland, Washington burial sites do not have volume allocation plans. For burial space call:

Beatty, Nevada - Steve Carpenter - 702-553-2203
U.S. Ecology, Inc.

Richland, Washington - Vern D. Apple - 509-377-2411
U.S. Ecology, Inc.

At least 3 months before shipment

The Barnwell, South Carolina Burial Site has a volume allocation plan. For burial space and allocation numbers call:

Barnwell, S. C.	-	Angie Jones	- 803-259-3577
VAP/PNP Dept.		Linda Bragg	803-259-3578
(CNSI)		Lewis Rouse	

Call Hittman Nuclear and Development Corporation for transportation and scheduled shipment date confirmation and follow with a letter.

HNDC - Chuck Stout - 312-232-6133

At least 7 days prior to shipment

Notify the Michigan Department of Public Health of the scheduled date of shipment and estimated curie content.

Mich. Dept. of Public Health - Joe Hennigan, Mike McCarty 517-373-1578

Prior Notification and Manifest must be sent to the State of South Carolina and the Barnwell Burial Site to be received 72 hours prior to shipment arrival.

Verify that the proposed carrier has a valid permit to transport radioactive materials in the State of Oregon. This verification is only required when the consignee is the Richland Burial Site.

Day of shipment, prior to departure

Notify burial site being shipped to. For shipments to the Barnwell Site, the route through South Carolina must be given.

Barnwell Burial Site - Chem-Nuclear Systems, Inc.	Angie Jones - Linda Bragg -	803-259-3577 803-259-3578
Beatty Burial Site - U.S. Ecology, Inc.	Steve Carpenter -	702-553-2203
Richland Burial Site -	Vern D. Apple -	509-377-2411

If there are any changes in the Prior Notification and Manifest for the Barnwell Site, the State of South Carolina must be notified in addition to the Burial Site.

State of S. C. -	Virgil Autry Betty Bethea - Kim Noble	803-758-7806

Notification of the Michigan State Police must be given prior to shipment. (See Attachment XIII)

Michigan State Police - 616-469-1111

G. SHIPPING

All shipping of radioactive materials for burial or for other reasons are required by procedure to comply with all NRC and DOT regulations. All packaging in the above steps of this program are designed to insure compliance with all the appropriate regulations. The following procedures are used to insure and/or verify compliance with the regulations.

PMI 3150	Receipt And Shipment Of Radioactive Materials.
THI 3150	Receipt And Shipment Of Radioactive Materials.
12 THP 6010 RAD.304	Shipment Of Radioactive Materials
12 THP 6040 PER.467	Cask Handling

The following will be the order in which the Radioactive Shipment Records (RSR) are to be completed prior to any forms being distributed to the respective personnel.

1. Completion of shipping records
2. RP Supervisor for signature
3. Environmental Section for signature and correction check on RSR forms.
4. Carrier for signature
5. Three (3) copies of the Chem Nuclear (RSR), and U.S. Ecology, Inc. (RSR) are to be made.

Distribution As Follows:

The originals of the Shipping Papers will go to the following personnel, with copies also listed:

D. C. COOK NUCLEAR PLANT

State Police Notification Form
Radioactive Waste Shipment Notification Form
Radioactive Waste Shipment Checkoff Sheet
Truck/Trailer Inspection Check-Off Sheet

Original	To Environmental Section

Demineralizer Resin Calculation Sheet

Original	To RP
1 Copy	To Environmental
1 Copy	To Driver

BARNWELL WASTE MANAGEMENT FACILITY - RSR

White Original	To Driver
Canary Original	To Environmental Section
Pink Original	To Driver
1 Copy	To Stores
1 Copy	To RP Section
1 Copy	To HNDC

STATE OF S. C. PN&M AND CERTIFICATION FORMS

3 Copies	South Carolina Prior Notification and Manifest Form to Driver
1 Copy	South Carolina Prior Notification and Manifest Form to Environmental Section
Original	South Carolina Radioactive Waste Shipment Certification Form to Driver
1 Copy	South Carolina Radioactive Waste Shipment Certification Form to Environmental Section

HITTMAN NUCLEAR AND DEVELOPMENT CORP.

Driver Instructions for Maintenance Exclusive Use Shipment Controls

1 Original	To Driver

U.S. ECOLOGY, INC. RSR

2 Disposal Site Copies	To Driver
1 Carrier Copy	To Carrier
1 Customer Copy	To Environmental Section
1 Copy	To RP Section
1 Copy	To Stores
1 Copy	To HNDC

U.S. ECOLOGY, INC. - Low Level Shipment Certification Forms

1 Original	Nevada Low Level Radioactive Waste Shipment Certification - To Driver
1 Original	Nevada Certification - To Driver
Copy	Nevada Low Level Radioactive Waste Shipment Certification to Environmental Section
Copy	Nevada Certification - To Environmental Section
Original	Washington Low Level Radioactive Waste Shipment Certification to Driver
Copy	Washington Low Level Radioactive Waste Shipment Certification To Environmental Section

RADIATION/CONTAMINATION TRUCK SURVEY

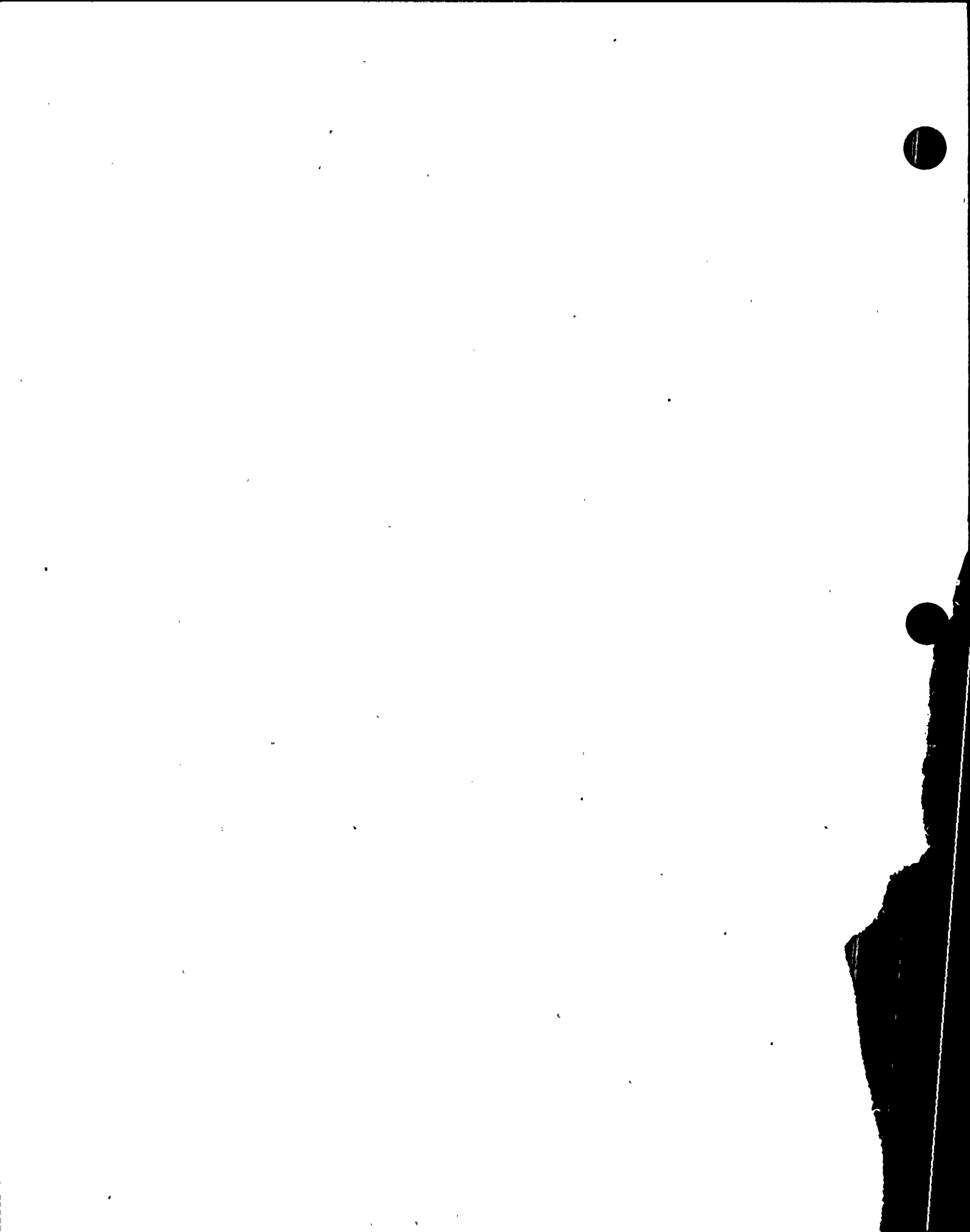
Original	To RP Section
1 Copy	To Environmental Section
1 Copy	To Driver

*RESIN GAMMA SPECTRUM PRINTOUT

1 Copy	To Driver
1 Copy	To Environmental Section

AT THE TIME OF DEPARTURE OF THE RADIOACTIVE WASTE TRANSPORT VEHICLE THE RESPECTIVE PARTIES WILL HAVE THE FOLLOWING SHIPMENT PAPERWORK, AS FOLLOWS:

*Only when resin is being shipped. A gamma spectrum printout and a Demineralizer Resin calculation sheet must be provided for each package containing resin being shipped.



DRIVER OF TRANSPORT VEHICLE

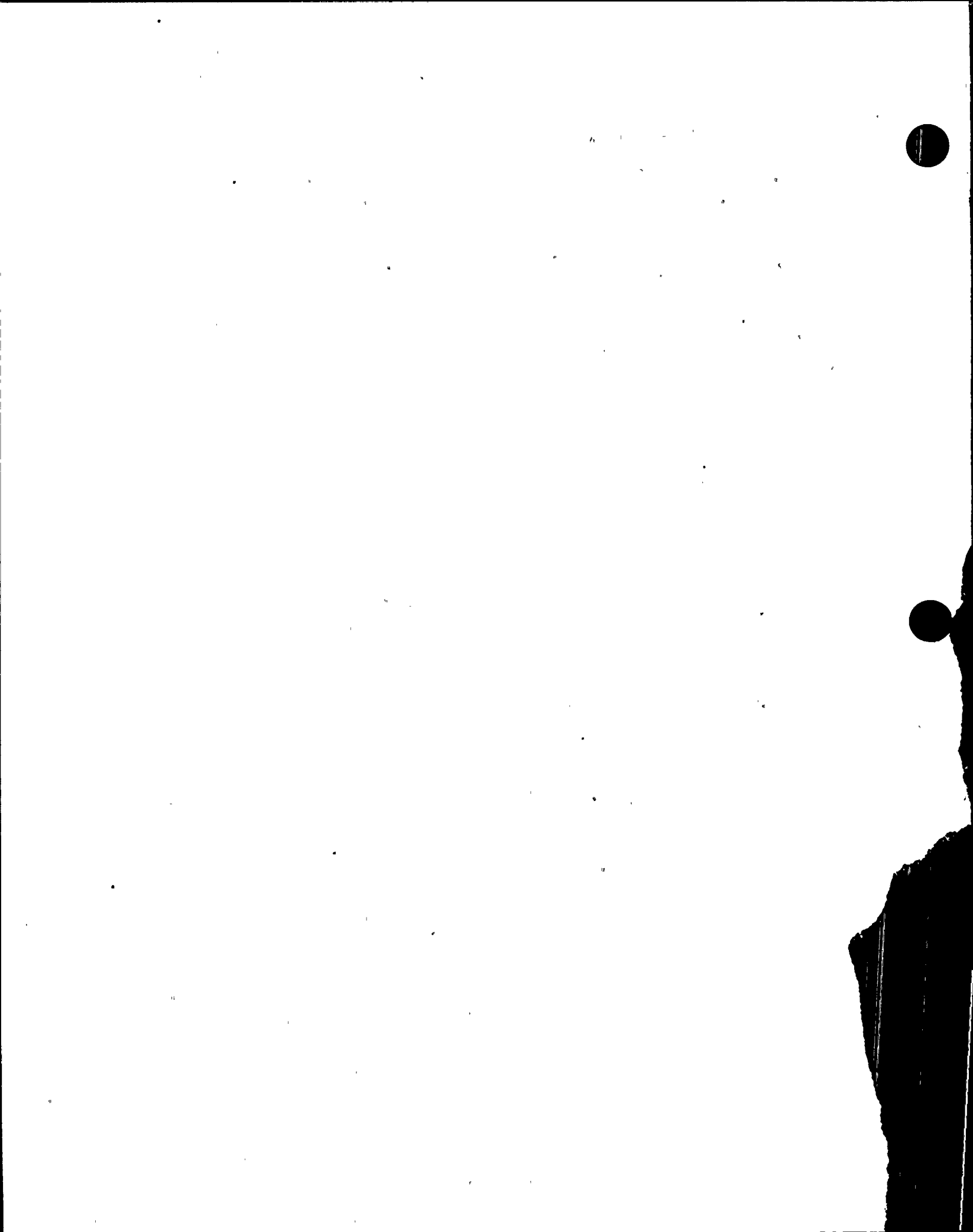
Original	Hittman Nuclear & Development Corp. Driver Instructions for Maintenance of Exclusive Use Shipment Controls
Original	Washington Low Level Radioactive Waste Shipment Certification
White Original	Barnwell Waste Management Facility (RSR)
Pink Original	Barnwell Waste Management Facility (RSR)
*1 Copy	Resin Gamma Spectrum Printout
2 White Disposal Site Copies	U.S. Ecology, Inc. (RSR)
1 Carrier Copy	U.S. Ecology, Inc. (RSR)
Original	Nevada Low Level Radioactive Waste Shipment Certification
*1 Copy	Demineralizer Resin Calculation Sheet
Original	Nevada Certification
3 Copies	South Carolina Prior Notification and Manifest Form
1 Copy	South Carolina Radioactive Waste Shipment Certification
1 Copy	Radioactive Waste Truck Radiation/ Contamination Survey

NOTE: The driver of the transport vehicle will be given two or more extra placards/placard holders for replacement purposes if any of the affixed placards become lost or damaged during transit. For transport vehicles which the placard holder is permanently affixed on all four (4) sides, extra placards will not need to be given to the driver.

ENVIRONMENTAL SECTION

Canary Original	Barnwell Waste Management Facility (RSR)
Original	State Police Notification Form
Original	Radioactive Waste Shipment Notification Form
Original	Radioactive Waste Shipment Checkoff Sheet
Copy	Radiation/Contamination Truck Survey
*Copy	Resin Gamma Spectrum Printout
Customer Copy	U.S. Ecology, Inc. (RSR)
Copy	Nevada Low Level Radioactive Waste Shipment Certification
Copy	Nevada Certification
Copy	Washington Low Level Radioactive Waste Shipment Certification
Copy	South Carolina Prior Notification and Manifest Form
Copy	South Carolina Radioactive Waste Shipment Certification
Original	Truck/Trailer Inspection Check-Off Sheet
*Copy	Demineralizer Resin Calculation Sheet

*Only when resin is being shipped. A gamma spectrum printout and a Demineralizer Resin calculation sheet must be provided for each package containing resin being shipped.

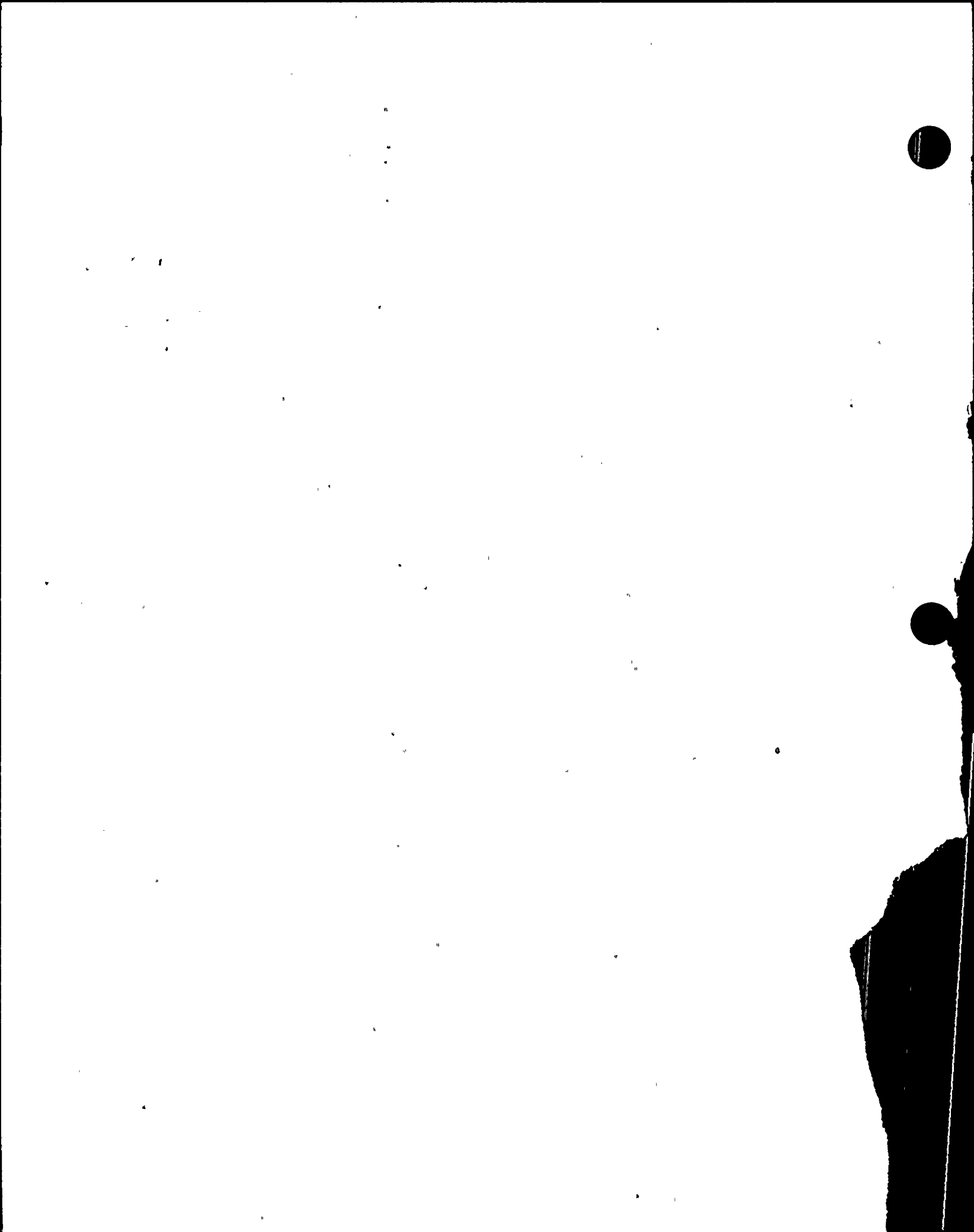


RADIATION PROTECTION SECTION

1 Copy	Barnwell Waste Management Facility (RSR)
Original	Radiation/Contamination Truck Survey
1 Copy	U.S. Ecology, Inc. (RSR)
Original	Demineralizer Resin Calculation Sheet

H. TRAINING

Personnel who routinely handle and ship radioactive waste (see Attachment VI) will be trained at least annually on the current regulations (see References Section) and the plant instructions and procedures which apply to Waste Handling.



TRUCK/TRAILER INSPECTION CHECK-OFF SHEET

SHIPMENT NO._____ DATE_____

Prior to loading, the following items are to be examined and documented on this checklist for each vehicle transporting radioactive waste from the plant site:

		INITIALS
(1)	Truck/Trailer Tires Remarks_____	_____
(2)	Truck/Trailer Wheels Remarks_____	_____
(3)	Trailer Bed and Frame Remarks_____	_____
(4)	Load Tie-Downs Remarks_____	_____
(5)	Truck/Trailer Lights Remarks_____	_____
(6)	Truck/Trailer Placarded Remarks_____	_____

Initials indicate inspection was made and results were acceptable. If items affecting safe transportation of load are found, contact Hittman Nuclear and Development. (312-232-6133)
Person Contacted_____ Date_____

Vehicle inspection criteria as follows:

(1) Truck/Trailer Tires - A minimum of 1/16" tread, no fabric exposed on sidewall, no cuts or injuries into fabric.

(2) Truck/Trailer Wheels - Check for visible cracked wheels, loose lug nuts or missing studs.

(3) Trailer Bed and Frame - Check visually for cracks and breaks. Check main rails for any visible cracks in rails and associated welds. On any drop frame trailers, the drop area is the most susceptible to cracking. If any cracks are observed in main rails, trailer should be deadlined and carrier immediately notified.

(4) Load Tie-Downs - Check cable tie down points on trailer for any visible cracks. Cables should be in good condition, tight, crossed and without crimps. Cask should be positioned so that cables do not rub each other. Ratchets and shackles shall be free of cracks.

(5) Truck/Trailer Lights - Checks for operation of head-lights, tail-lights, brake-lights and directional signals.

(6) Truck/Trailer Placarded - Placarding on front, sides and rear as required.

CEMENT SOLIDIFICATION VERIFICATION LOG

Liner No. _____ Date Time_____ Completion Date_____ Verification Date_____

Liner Volume _____ Time Start_____ Completion Time_____ Verification Time_____

Cement lbs./bag _____ Cement Lot #/or Date Received _____ Verified By _____

Sodium Metasilicate lbs./bag (Anhydrous) _____ Sodium Metasilicate (Anhydrous) Lot #/ or Date Received _____ Ship Date _____

DATE	TIME	GALLONS WASTE	PROCESSED FROM	BAGS CEMENT	BAGS METSO	COMMENTS	INITIALS

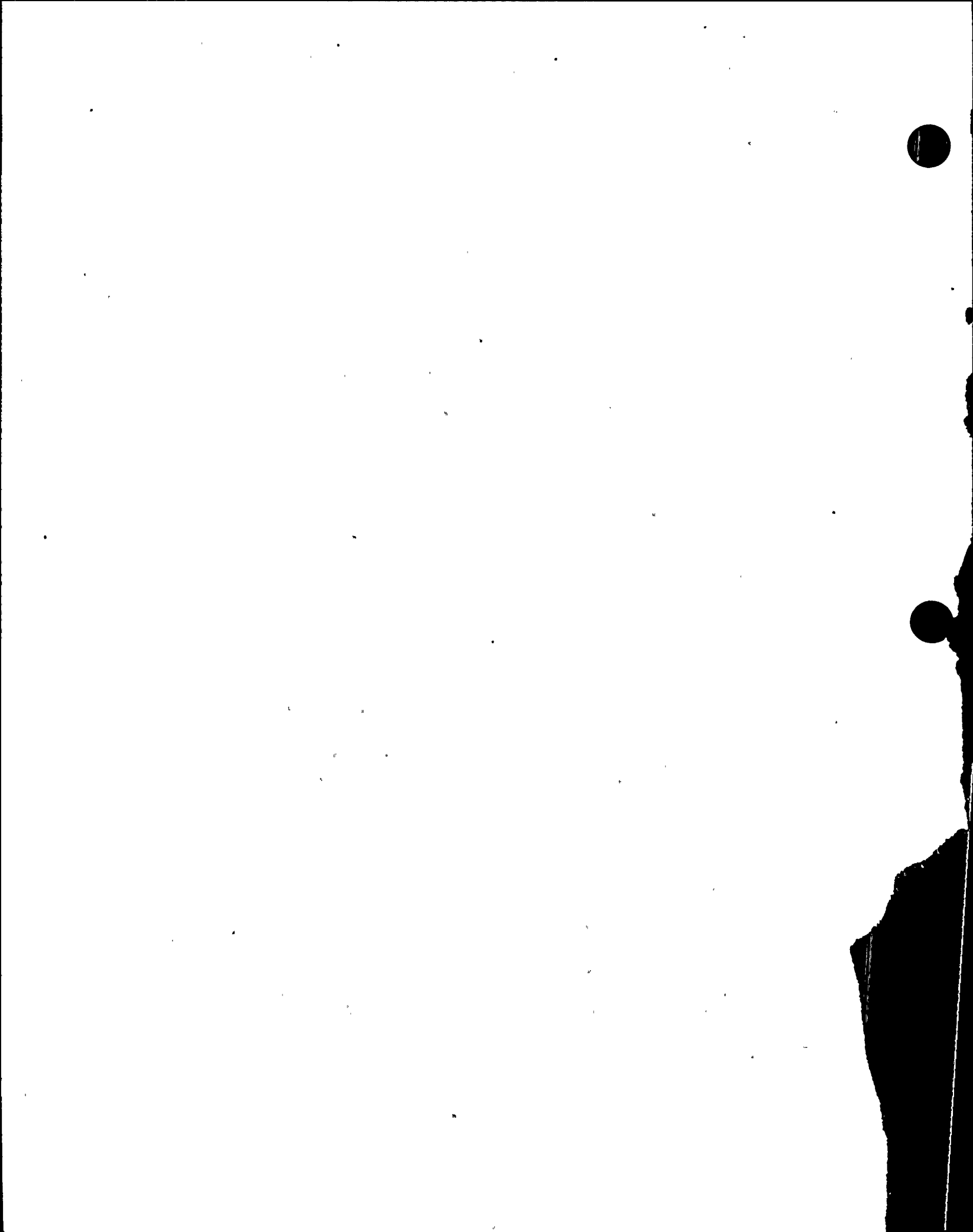
Solidification Verification

I hereby certify that a visual inspection of the HNDC liner has been conducted at least 24 hours after the indicated completion date and time and that there was not any indication of freestanding liquid.

Date_____

Time_____

HNDC Supervisor_____



Batch No:_____
Sample No:_____
Date:_____

CEMENT WASTE SOLIDIFICATION DATA SHEET FOR

_____
(Type of Waste)

Batch No:_____ Sample No:_____

Sample Volume, ml:

pH(1):

Indications of Oil/Detergent:

Other Major Constituents:

Quantity of Cement Added: _____ Cement Lot #/or Date Received _____

Quantity of Sodium Meta Silicate (Anhydrous) _____ Sodium Metasilicate (Anhydrous) Lot #/or Date Received _____

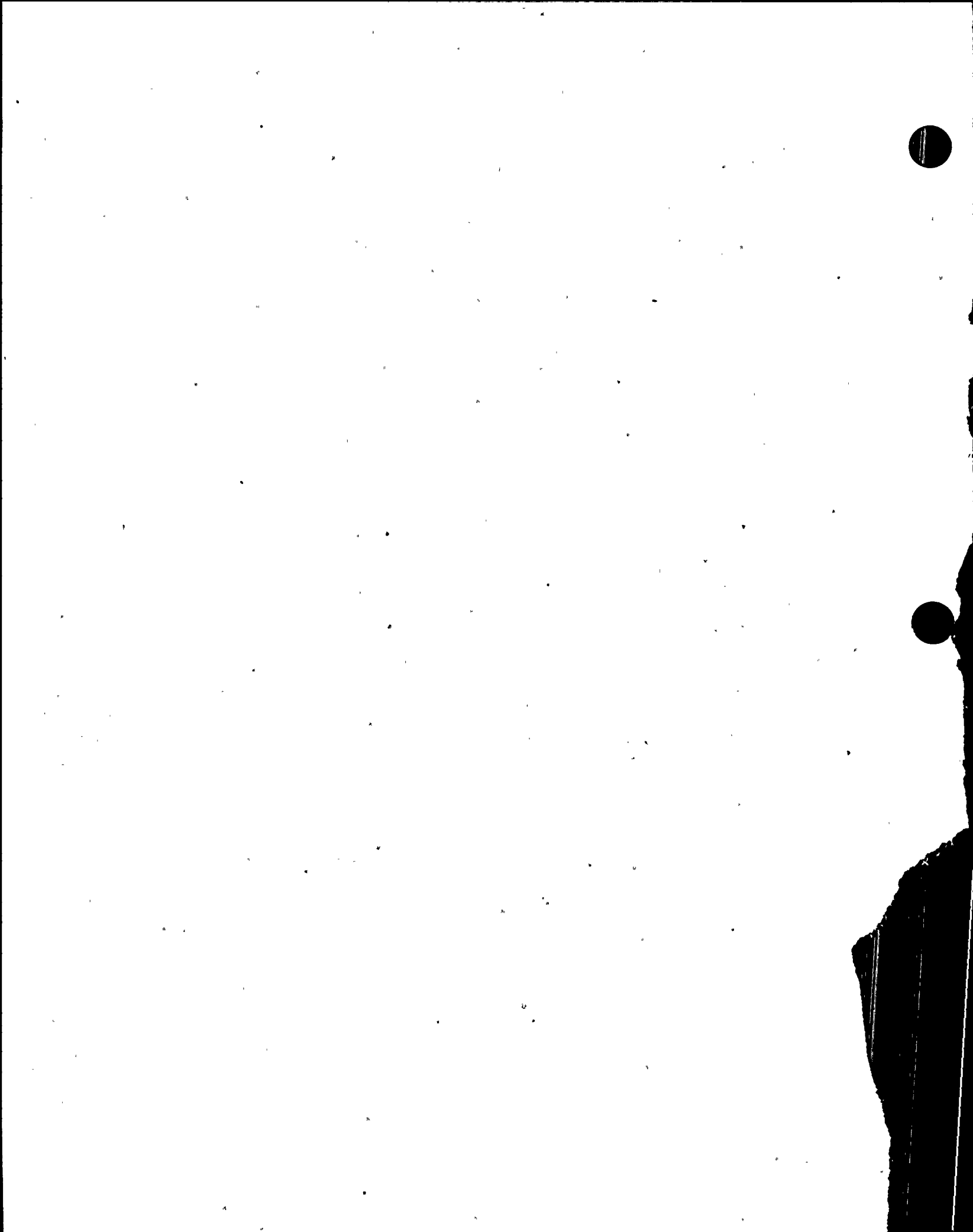
Final Product to Waste Ratio:

Product Acceptability:

Radionuclides Present:
(Isotopes & Concentrations)

_____

[1] If pH adjustment is required note chemical used, quantity used and pH after adjustment.



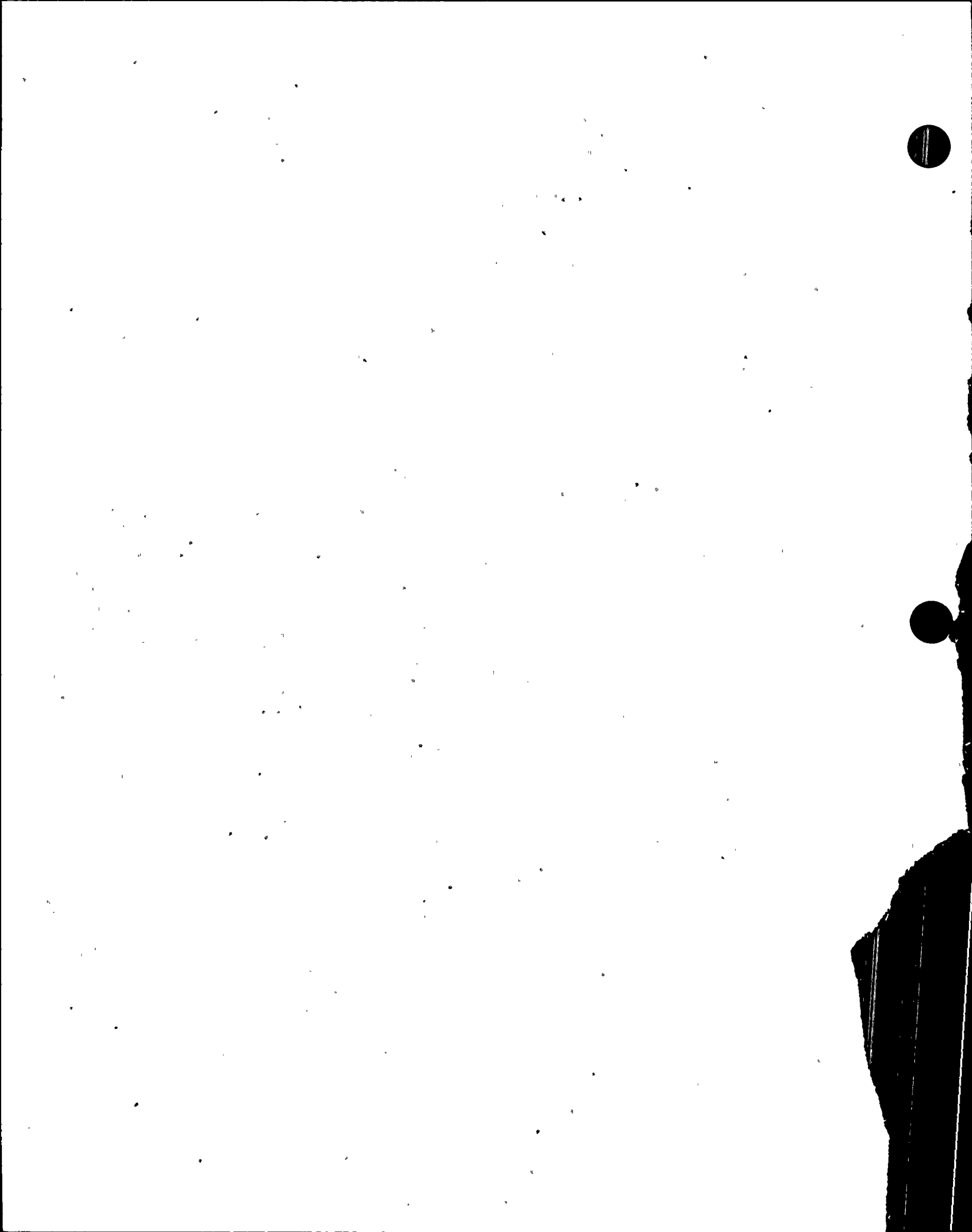
SOLIDIFICATION DATA TABLES

SUMMARY

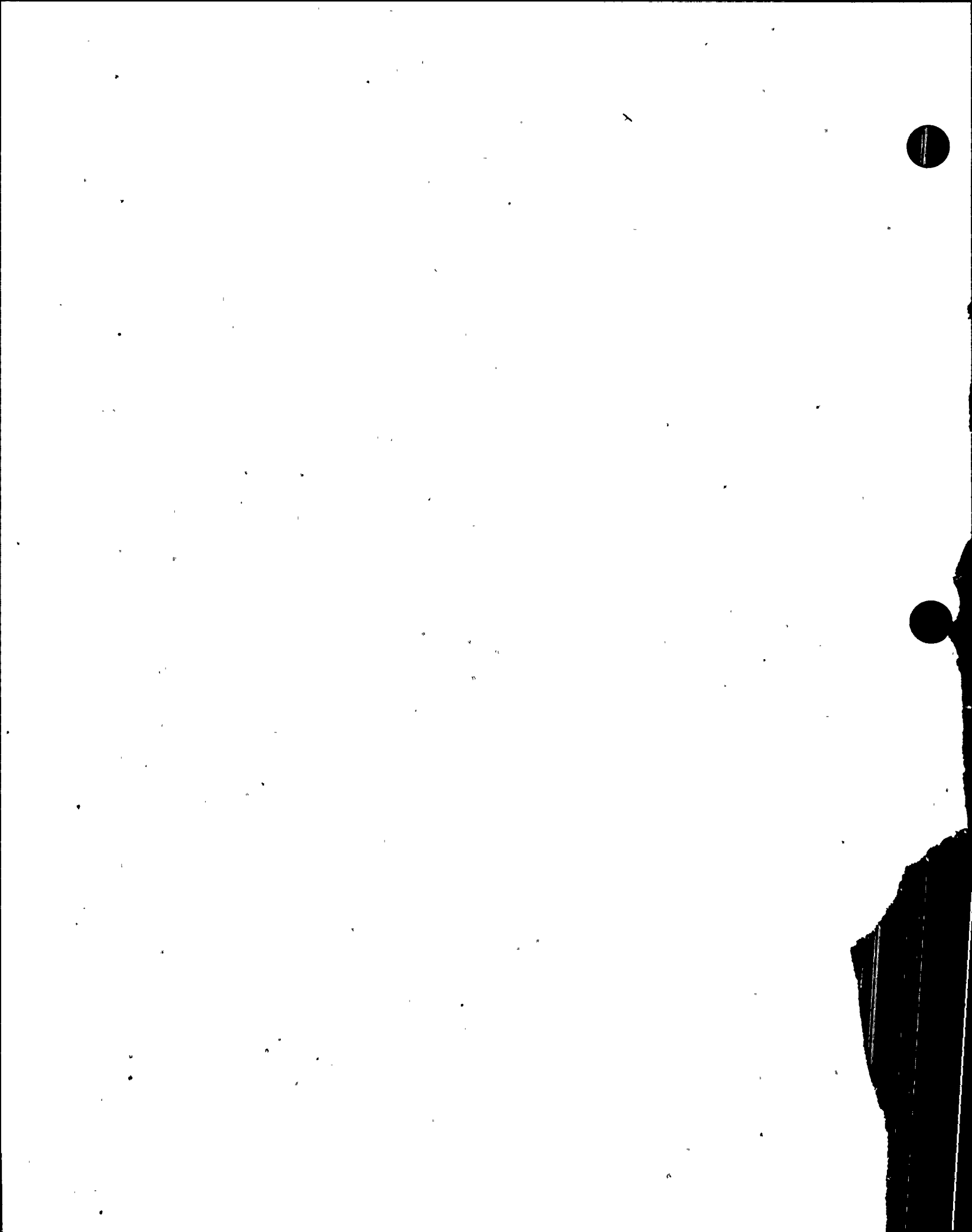
For bead resin, the licensed cask payload is limiting for the HN-100 Series 1 and HN-100 Series 2. Weight is not a limiting factor for the HN-600, HN-100 Series 3, HN-100S, and HN-200.

Bead Resin

	HN-100 Series 1	HN-100 Series 2	HN-100 Series 3	HN-100S	HN-200	HN-600
Usable Liner Volume, ft^3	142	142	142	142	60	65
Max. Solidfied Waste Vol. ft^3	125.4	120.3	142	142	60	65
Max. Resin Vol. Dewatered, ft^3	103.0	98.8	116.5	116.5	49.3	53.4
Water Added at Max. Resin Vol. gal.	223.5	214.5	253.2	253.2	106.9	115.9
Cement Added 1 $ft.^3$ bags	52.1	50	59	59	25	27
Metso Added Pounds 100# bags	4.9	4.7	5.5	5.5	2.4	2.5
Max. Radiation Level R/h Contact	12	12	12	5	800	100

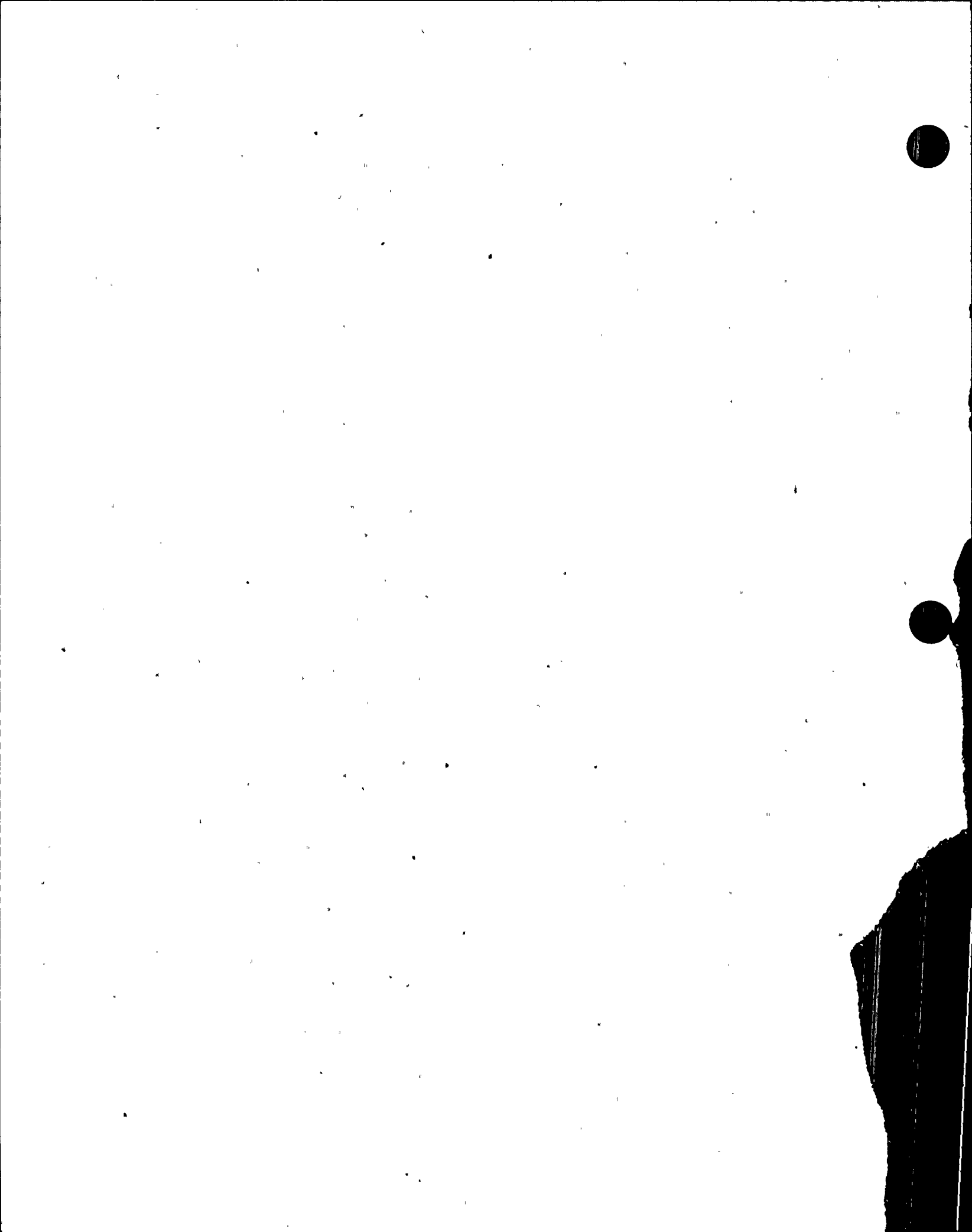


SOLID WASTE MANAGEMENT SYSTEM



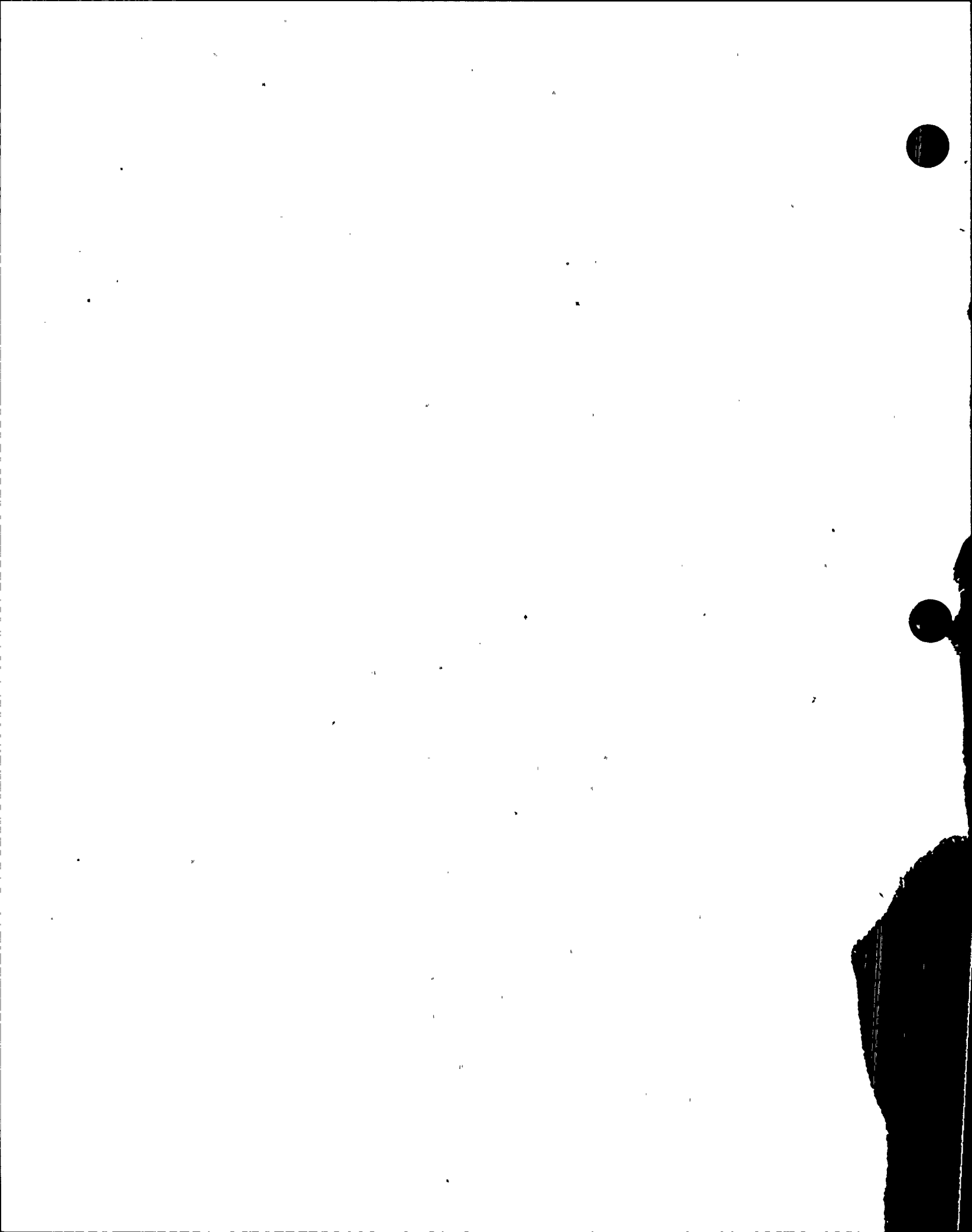
RESINS

PROCESS	PERFORMED BY	PROCEDURE	SUPERVISED BY	VERIFIED BY	TRAINING BY
Transfer Resin to The SRST	Utility Operator Auxiliary Equip. Operator	12 OHP 4021.004.004 12 OHP 4021.006.008	Unit Supervisor Assistant Shift Supervisor	Radiation Protection Personnel	Unit Supervisor Assistant Shift Supervisor
Transfer to Cask	Utility Operator Auxiliary Equip. Operator	PER.470	Environmental Personnel	Environmental Personnel	Environmental Personnel
Dewatering And Verification of Dewatering	Environmental Personnel	PER.470	Environmental Personnel	Environmental Personnel	Environmental Personnel
Cask Closure	Maintenance Mechanic	PER.467	Environmental Personnel	Environmental Personnel	Environmental Personnel
Activity-Curie Content	Radiation Prot./ Environmental	RAD.304/PCP	Radiation Prot. Supervisor/ Environmental	Radiation Protection Supervisor/ Environmental	Radiation Prot. Supervisor/ Environmental
Activity-Isotopic Ratio	Chemical Technician	LAB.069	Chemical Super./ Environmental	Chemical Supervisor/ Environmental	Chemical Supervisor
Cask Labeled	Radiation Prot. Technician	RAD.304	Radiation Prot. Supervisor	Radiation Protection/ Environmental Personnel	Radiation Prot/ Environmental Personnel
Cask Loaded	Maintenance Mechanic	PER.467	Environmental Personnel	Environmental Personnel	Environmental Personnel
Truck and Cask Inspection and Survey	Radiation Prot. Personnel/ Environmental	RAD.304 PER.467 PCP	Radiation Prot. Supervisor/ Environmental	Radiation Protection/ Environmental Personnel	Radiation Prot/ Environmental Personnel
Radioactive Shipping Record	Radiation Prot./ Environmental	RAD.304/PCP	Radiation Prot. Supervisor/ Environmental	Plant Radiation Prot. Super/ Environmental	Radiation Prot/ Environmental Personnel
Prior Notification	Environmental	PCP	Environmental	Environmental	Environmental
Solidification and Verification of Solidification	Contract Personnel/ Environmental	PCP	Environmental Personnel	Environmental Personnel	Environmental Personnel



NON-COMPRESSIBLE WASTE

PROCESS	PERFORMED BY	PROCEDURE	SUPERVISED BY	VERIFIED BY	TRAINING BY
Waste Transport to Box-Barrel	Contract/Maint. Personnel	RAD.303	Radiation Prot. Maintenance Supervisor	Radiation Protection Maintenance Supervisor	Radiation Prot/ Maintenance Supervisor
Box-Barrel Filling	Contract/Maint. Personnel	RAD.303	Radiation Prot./ Maintenance Supervisor	Radiation Protection Supervisor/ Environmental	Radiation Prot/ Maintenance Supervisor
Radioactive Content-Isotopic Ratio	Radiation Prot./ Chemical Tech.	RAD.304	Radiation Prot. Supervisor	Radiation Protection Supervisor/Environ. Personnel	Radiation Prot Supervisor
Package Sealed and Labeled	Radiation Prot./ Contract Personnel	RAD.304	Radiation Prot. Supervisor/ Envir. Personnel	Radiation Prot./ Environmental Personnel	Radiation Prot/ Supervisor/ Envir. Personn.
Package Quality Verification	Environmental Personnel	RAD.304/PCP	Environmental Personnel	Environmental Personnel	Environmental Personnel
Truck Loading	Maintenance Mechanic	PCP	Environmental Personnel/Maint. Supervisor	Environmental Personnel	Environmental Personnel
Truck and Package Inspection and Survey	Radiation Prot. Personnel/ Environmental	RAD.304 PCP	Radiation Prot. Supervisor/ Environmental	Environmental Personnel	Radiation Prot/ Environmental Personnel
Radioactive Shipping Record	Radiation Prot./ Environmental	RAD.304/PCP	Radiation Prot. Supervisor/ Environmental	Plant Radiation Prot. Super/ Environmental	Radiation Prot/ Environmental Personnel
Prior Notification	Environmental	PCP	Environmental	Environmental	Environmental



COMPRESSIBLE WASTE

PROCESS	PERFORMED BY	PROCEDURE	SUPERVISED BY	VERIFIED BY	TRAINING BY
Waste Transport to Drumming Room	Contract/Maint. Personnel	RAD.303	Radiation Prot./ Maintenance Supervisor	Radiation Protection/ Maintenance Supervisor	Radiation Prot/ Maintenance Supervisor
Baler Operation	Contract/Radiation Protection Personnel	RAD.303	Radiation Prot. Supervisor	Radiation Protection Supervisor	Radiation Prot Supervisor
Radioactive Content Isotopic Ratio	Radiation Prot./ Chemical Tech.	RAD.304	Radiation Prot. Supervisor	Radiation Protection Supervisor/Environ. Personnel	Radiation Prot Supervisor
Package Sealed and Labeled	Radiation Prot./ Contract Personnel	RAD.303	Radiation Prot. Supervisor/ Envir. Personnel	Radiation Prot./ Environmental Personnel	Radiation Prot Supervisor/ Environmental
Package Quality Verification	Environmental Personnel	RAD.303/PCP	Environmental Personnel	Environmental Personnel	Environmental Personnel
Truck Loading	Maintenance Mechanic/Contract Personnel	PCP	Environmental Personnel/Maint. Supervisor	Environmental Personnel	Environmental Personnel
Truck and Package Inspection and Survey	Radiation Prot. Personnel/ Environmental	RAD.304/PCP	Radiation Prot. Supervisor/. Environmental	Environmental Personnel	Radiation Prot Supervisor/ Environmental
Radioactive Shipping Record	Radiation Prot. Environmental Personnel	RAD.304/PCP	Radiation Prot. Supervisor/ Envir. Personnel	Plant Radiation Protection Super/ Environmental	Radiation Prot Supervisor/ Envir Person.
Prior Notification	Environmental	PCP	Environmental	Environmental	Environmental

EVAPORATOR CONCENTRATES

PROCESS	PERFORMED BY	PROCEDURE	SUPERVISED BY	VERIFIED BY	TRAINING BY
Evaporator Operation and Concentrates Transfer	Utility Operator Auxiliary Equip. Operator	1 OHP 4021.002.003 12 OHP 4021.022.008 1 OHP 4021.024.002 1 OHP 4024.022.009	Unit Supervisor Assistant Shift Supervisor	Unit Supervisor Assistant Shift Supervisor	Unit Supervisor Assistant Shift Supervisor
Solidification	Contract Personnel	Process Control Plan	Environmental Personnel	Environmental Personnel	Environmental Personnel
Water Removed By	Contract Personnel	Process Control Plan	Environmental Personnel	Environmental Personnel	Environmental Personnel
Product Quality Verification	Environmental Personnel	Process Control Plan	Environmental Personnel	Environmental Personnel	Environmental Personnel
Activity-Curie Content	Radiation Prot. Technician/ Environmental	Process Control Plan RAD.304	Radiation Prot. Supervisor/ Environmental	Radiation Protection Supervisor/ Environmental	Radiation Prot. Supervisor/ Environmental
Activity-Isotopic Ratio	Chemical Technician	LAB.069	Chemical Supervisor	Chemical Supervisor/ Environmental Person.	Chemical Supervisor
Package Sealed and Labeled	Radiation Prot. or Contract Personnel	RAD.304	Radiation Prot. Supervisor	Environmental Personnel	Radiation Prot Supervisor/ Environmental
Package Quality Verification	Environmental Personnel	Process Control Plan	Environmental Personnel	Environmental Personnel	Environmental Personnel
Truck Loading	Maintenance Personnel	PCP	Maintenance Supervisor/ Envir. Person.	Environmental Personnel	Maintenance Supervisor
Final Truck and Package Inspection and Survey	Radiation Prot. Personnel/ Environmental	RAD.304/PCP	Radiation Prot. Supervisor/ Environmental	Environmental Personnel	Radiation Prot Supervisor/ Environmental
Radioactive Shipping Records	Radiation Prot./ Environmental Personnel	RAD.304/PCP	Radiation Prot. Supervisor/ Envir. Personnel	Plant Radiation Prot. Supervisor/Environ. Personnel	Radiation Prot Supervisor/ Envir. Person.
Prior Notification	Environmental	PCP	Environmental	Environmental	Environmental

FILTERS

PROCESS	PERFORMED BY	PROCEDURE	SUPERVISED BY	VERIFIED BY	TRAINING BY
Vent - Drain Filter Housing	Utility Operator Auxiliary Equip. Operator	1 OHP 4021.003.008 2 OHP 4021.003.008 1 OHP 4021.003.009 2 OHP 4021.003.009 PCP	Unit Supervisor Assistant Shift Supervisor	Unit Supervisor Assistant Shift Supervisor	Unit Supervisor Assistant Shift Supervisor
Filter Removal and Transfer to Drumming Room	Maintenance Personnel	MHP 5021.001.001 RAD.303 RAD.313	Radiation Prot./ Maintenance Supervisor	Radiation Protec./ Maintenance Personnel	Radiation Prot/ Maintenance Supervisor
Barrel Filling	Maintenance Personnel	MHP 5021.001.001 RAD.303	Radiation Prot./ Maintenance Supervisor	Radiation Protec. Supervisor/Envir. Personnel	Radiation Prot/ Maintenance Supervisor
Package Sealed and Labeled	Radiation Prot./ Contract Personnel	RAD.304	Radiation Prot. Supervisor/ Envir. Personnel	Radiation Protec./ Environmental Personnel	Radiation Prot. Supervisor/Env. Personnel
Radioactive Content Isotopic Ratio	Radiation Prot./ Chemical Technician	RAD.304	Radiation Protection Supervisor	Radiation Protec. Supervisor Environmental Person.	Radiation Prot. Personnel
Package Quality Verification	Environmental Personnel	RAD.304 PCP	Environmental Personnel	Environmental Personnel	Environmental Personnel
Barrel Loading into Cask	Maintenance Mechanic	PER.467	Environmental Personnel	Evironmental Personnel	Environmental Personnel
Cask Closure	Maintenance Mechanic	PER.467	Environmental Personnel	Environmental Personnel	Environmental Personnel
Truck and Cask Inspection-Survey	Radiation Prot./ Environmental Personnel	RAD.304 PCP	Radiation Prot. Supervisor/ Environmental	Radiation Prot. Supervisor/Envir. Personnel	Radiation Prot Supervisor/ Envir. Person.
Radioactive Shipping Record	Radiation Prot./ Environmental Personnel	RAD.304/ PCP	Radiation Prot. Supervisor/ Envir. Personnel	Plant Radiation Prot. Supervisor/Environ. Personnel	Radiation Prot Supervisor Envir. Person.
Prior Notification	Environmental	PCP	Environmental	Environmental	Envir. Person.

GENERATOR NUMBER

(1) GENERATOR NAME

ADDRESS

CITY STATE

CONTACT

PHONE

USER PERMIT NO SHIPMENT NO

RADIOACTIVE WASTE SHIPMENT & DISPOSAL FORM

US ECOLOGY, INC.

EXECUTIVE OFFICE: (502) 426-7160
P.O. BOX 7246 • LOUISVILLE, KENTUCKY 40207
Illinois Office: (815) 454-2376

(2) Consigned To:

[ ] P.O. Box 638
Richland, WA 99352
(509) 377-2411

[ ] P.O. Box 578
Beatty, NV 89003
(702) 553-2203

USE THIS NO. ON ALL CONTINUATION PAGES **No. 3724** PAGE 1 OF ____

(3) AGENT-BROKER

ADDRESS

CITY STATE

CONTACT

PHONE USER PERMIT NO

(4) CARRIER SHIPPING DATE

TYPE OF CASK RADIATION READING

(5) Item No.	(6) Container Type	(7) Container Volume (Cu. Ft.)	(8) Container Weight (pounds)	(9) Physical Form	(10) Waste Description	(11) Solidification or Absorbent Media	(12) Chemical Form	(13) Radionuclide	(14) Activity [ ] Curies [ ] Millicuries	(15) Special Nuclear Material (Grams)	(16) Source Material (Kilograms)	Radiation Levels (17) Container Surface	Radiation Levels (18) 3 ft (1 M)	(19) Transport Group	(20) Waste Class	(21) Label
																Radioactive
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				(22) TOTALS												

(23)

TOTAL QUANTITY	PROPER SHIPPING NAME & HAZARD CLASS (PER 49 CFR 172.101)	IDENTIFICATION NUMBER	TOTAL WEIGHT IN POUNDS
	Radioactive Device, N.O.S. — Radioactive Material	UN2911	
	Radioactive Material, Fissile, N.O.S. — Radioactive Material	UN2918	
	Radioactive Material, Low Specific Activity, N.O.S. — Radioactive Material	UN2912	
	Radioactive Material, N.O.S. — Radioactive Material	NA9181	
	Radioactive Material, Limited Quantity, N.O.S. -- Radioactive Material	UN2910	
	Radioactive Material, Special Form, N.O.S. — Radioactive Material	NA9182	

(24)

Total # of Pkgs This Shipment	Total Activity This Shipment	Total Volume This Shipment
	[ ] ci [ ] mci	cu ft.

(25) THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELLED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION AND ARE IN COMPLIANCE WITH ALL REGULATIONS APPLICABLE AT THE DESIGNATED DISPOSAL SITE

Authorized Signature Title

DISPOSAL SITE COPY

GENERATOR #:

GENERATOR NAME

AGENT/BROKER:

US ECOLOGY, INC.

CONTINUATION SHEET

NO ____________

PAGE _____ OF _______

(5) Item No	(6) Container Type	(7) Container Volume (cu ft)	(8) Container Weight (pounds)	(9) Physical Form	(10) Waste Description	(11) Solidification or Absorbent Media	(12) Chemical Form	(13) Radionuclide	(14) Activity [ ] Curies [ ] Millicuries	(15) Special Nuclear Material (Grams)	(16) Source Material (Kilograms)	RADIATION LEVELS (17) Container Surface	(18) 3 ft (1 m)	(19) Transport Group	(20) Waste Class	(21) Label
																Radioactive
																Radioactive
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				(22) PAGE TOTALS												DISPOSAL SITE COPY

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Page 2 of 2
Rev. 2

12 PMP 3150 PCP .001
Attachment VIII

12 PMP 3150 PCP .001
Attachment VIII

BARNWELL WASTE MANAGEMENT FACILITY

Operated by: CHEM-NUCLEAR SYSTEMS, INC.
P. O. Box 726, Barnwell, South Carolina 29812
(803) 259 1781
RADIOACTIVE SHIPMENT RECORD FORM

Page ____ of ____

(4) Volume Allocation No ____

(1) FROM Company Name ____
Address ____
Contact ____
(2) Phone # ____
TO ____
CARRIER ____
DRIVER SIGNATURE ____
DATE AND TIME RECEIVED ____

(5) Shipping Date ____
Shipment No ____
Type of Cask ____
Trailer No ____
LINER SERIAL # ____

CNSI USE ONLY
Arrival date ____ AS# ____
Date/Time Buried ____ By ____
Radiation Readings ____ Weight ____
Trench # ____ LOC ____ WCC ____
Total Personnel Exp ____ (mRem)
CSNI Project # ____

(3) — (a) Description of Materials	(b) Total # of Pkgs This Shipment	(c) Total Activity This Shipment	(d) Total Volume This Shipment	(e) Type Containers This Shipment
( ) RADIOACTIVE MATERIAL, LSA, NOS ( ) RADIOACTIVE MATERIAL, NOS ( ) RADIOACTIVE MATERIAL, SPECIAL FORM NOS ( ) RADIOACTIVE DEVICE, NOS, RAD MATERIAL		mCi	cu ft	

(6) Item No.	(7) Radio-nuclide each container	(8) Percent Abundance Each Nuclide	(or) Activity Each Nuclide (mCi)	(9) Physical form	(10) Chemical form	(11) Waste Description	(12) U-235 (grams)	(13) U-238 Th 232 (pounds)	(14) Disposable Container Weight (pounds)	(15) Disposable Container Volume (Cu. Ft.)	(16) Container Spec.	(17) RADIATION LEVELS Disposable Container Surface	Package Surface	3 Ft. (Ti)	(18) Removable Contamination Package Surface (a) DPM/100cm²(B-Y)		(19) Transport Group	(20) Label Used
(21) TOTAL																		

(22) ( ) Yes ( ) No THIS VEHICLE IS CONSIGNED EXCLUSIVE USE. LOADING AND UNLOADING MUST BE ACCOMPLISHED BY CONSIGNOR OR CONSIGNEE OR HIS DESIGNATED AGENT

(23) IMPORTANT: "This is to certify that the above named materials are properly classified described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation"

Signature ____
Company ____ Date ____

(See Reverse Side for Instructions for Completing This Form)

(24) "Certification is hereby made to the South Carolina Department of Health and Environmental Control that this shipment of low-level radioactive waste has been inspected in accordance with the requirements of South Carolina Radioactive Material License No. 097 as amended, and the Nuclear Regulatory Commission's License No. 46-13536-01 as amended, and the effective Barnwell Site Disposal Criteria within 48 hours prior to shipment and further certification is made that the inspection revealed no items of non compliance with all applicable laws, rules and regulations."

Date ____ By ____
Title and Organization ____
Telephone No ( ) ____

Form No. CNS 201
(4/80)

White: Accompany Shipment, Yellow: Customer, Pink: Carrier

WASHINGTON STATE DEPARTMENT OF SOCIAL & HEALTH SERVICES

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
OLYMPIA, WASHINGTON

LOW-LEVEL RADIOACTIVE WASTE SHIPMENT CERTIFICATION FOR
COMMERCIAL GENERATOR/PACKAGERS, AND BROKERS AND CARRIERS

The following certification, completed as applicable, is made to the State of Washington:

Certification is hereby made to the State of Washington that Radiation Shipment Record No. _____ of low-level radioactive waste has been inspected in accordance with requirements of the Governor of Washington's Executive Order dated November 19, 1979, prior to its shipment. Further certification is made that the inspection has revealed no items of non-compliance with all applicable laws, rules and regulations.

The undersigned shall indemnify and hold harmless the State of Washington, in an amount not to exceed $1,000,000.00 per individual who may be injured, provided that indemnification shall not exceed $5,000,000.00 in total, for each occurrence, from any and all claims, suits, losses, damage, injury and expenses to any person whomsoever or to property arising or growing out of or in any manner connected with the activities performed under this order.

Except for any violation of applicable existing state or federal statute or regulation respecting packaging and shipment, inspection and acceptance of any item, or container or material covered by this certification by the State of Washington or a duly authorized contractor shall release the party who executed this certificate from any and all requirement of indemnification from injury or loss.

SECTION A:
FOR THE GENERATOR/PACKAGER: _____
(Company Name)

PERMIT NUMBER: _____

VOLUME OF WASTE IN THIS SHIPMENT: _____

DATE: _____ BY: _____

TITLE: _____

SECTION B:
FOR THE BROKER: _____
(Company Name)

PERMIT NUMBER: _____

VOLUME OF WASTE IN THIS SHIPMENT: _____

DATE: _____ BY: _____

TITLE: _____

SECTION C:
FOR THE CARRIER: _____
(Company Name)

VOLUME OF WASTE IN THIS SHIPMENT: _____

DATE: _____ BY: _____

TITLE: _____

DSHS RHF-31A
5-424 (4/80)

STATE OF NEVADA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH
BUREAU OF CONSUMER HEALTH PROTECTION SERVICES
CAPITOL COMPLEX
CARSON CITY, NEVADA 89710

TELEPHONE
(702) 885-4750

LOW-LEVEL RADIOACTIVE WASTE SHIPMENT CERTIFICATION

As required by Executive Order dated July 24, 1979, issued by the Governor of the State of Nevada, the following certification, as applicable, is made to the State of Nevada:

SECTION A: _____

GENERATOR/PACKAGER: _____
(Company Name)

Certification is hereby made to the State of Nevada that shipment no. _____ of low-level radioactive waste has been inspected in accordance with requirements of the Governor of Nevada's Executive Order dated July 24, 1979, prior to its shipment and further certification is made that the inspection has revealed no items of non-compliance with all applicable laws, rules and regulations. It is further certified that in the case of solidified waste, there is no free-standing liquid in any container in this shipment.

BY: _____

DATE: _____ TITLE: _____

SECTION B: _____

BROKER: _____
(Company Name)

Certification is hereby made to the State of Nevada that shipment no. _____ of low-level radioactive waste has been inspected in accordance with the requirements of the Governor of Nevada's Executive Order dated July 24, 1979, prior to its shipment and further certification is made that the inspection has revealed no items of non-compliance with all applicable laws, rules and regulations.

BY: _____

DATE: _____ TITLE: _____

SECTION C: _____

CARRIER: _____
(Company Name)

Certification is hereby made to the State of Nevada that the vehicle transportation shipment no. _____ of low-level radioactive waste is properly placarded and that the load is secure for transport and that all shipping papers as required by the United States Department of Transportation (U. S. DOT) have been properly executed and delivered.

BY: _____

DATE: _____ TITLE: _____

BY: _____

DATE: _____ TITLE: _____

BY: _____

CERTIFICATION

THIS IS TO CERTIFY THAT I HAVE READ AND UNDERSTAND THE REQUIREMENTS OF LICENSE #13-11-0043-02 ISSUED TO U.S. ECOLOGY, INC. BY THE NEVADA DEPARTMENT OF HUMAN RESOURCES FOR THE RECEIPT AND DISPOSAL OF RADIOACTIVE MATERIALS AT BEATTY, NEVADA, AS DESCRIBED IN PARAGRAPHS 5.1.1.3; 5.1.1.4; 5.1.1.5; 5.1.1.6 and 5.4.6.1 OF THE U.S. ECOLOGY, INC. SITE OPERATIONS MANUAL, AND I FURTHER CERTIFY THAT THE MATERIALS IN THIS SHIPMENT ARE IN CONFORMITY WITH THOSE REQUIREMENTS.

_____
COMPANY

_____
AUTHORIZED SIGNATURE

_____
TITLE

_____
DATE

INSTRUCTIONS FOR MAINTENANCE OF EXLUSIVE USE SHIPMENT CONTROLS

This shipment is to be maintained as an exclusive use shipment. Loading must be performed by a single consignor having the exclusive use of the vehicle. Unloading must be done by the consignee, and only at the designated destination.

Repositioning or movement of any loaded material without the written permission of the consignor or Hittman Nuclear & Development Corporation is prohibited.

STATE POLICE NOTIFICATION FORM

A. CARRIER'S NAME _____

B. COLOR AND NUMBER OF CAB _____

C. COLOR, NUMBER, AND LENGTH OF TRAILER _____

D. ROUTE FROM PLANT THROUGH MICHIGAN AND INDIANA _____

E. TYPE AND DESCRIPTION OF CONTAINER _____

F. DESCRIPTION OF SHIPMENT _____

G. MAXIMUM RADIATION LEVEL IN MR/HR AT 6 FEET FROM TRAILER _____

H. TOTAL CURIE CONTENT OF SHIPMENT _____

I. TIME AND DATE OF SHIPMENT _____

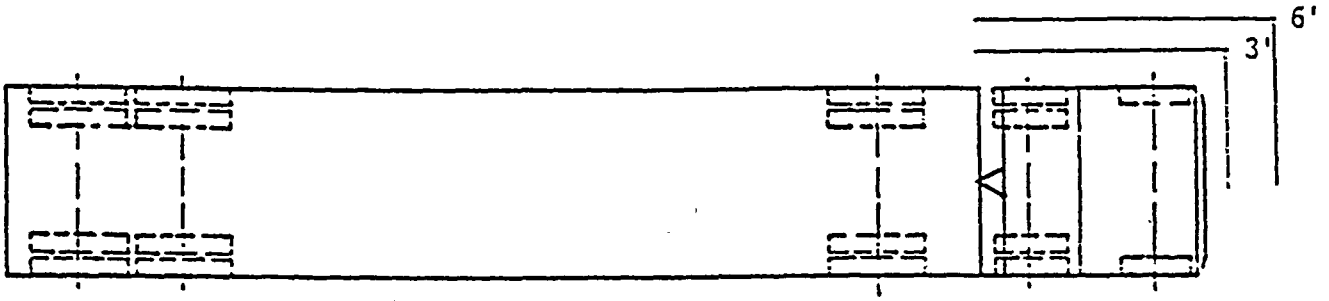
J. COMPANY NAME I & M Electric Co. D. C. Cook Plant
Bridgman, MI.

K. YOUR NAME _____

INCOMING SURVEY - FLATBED

*All smears <50 dpm and all readings <.2 mR/hr, unless noted.

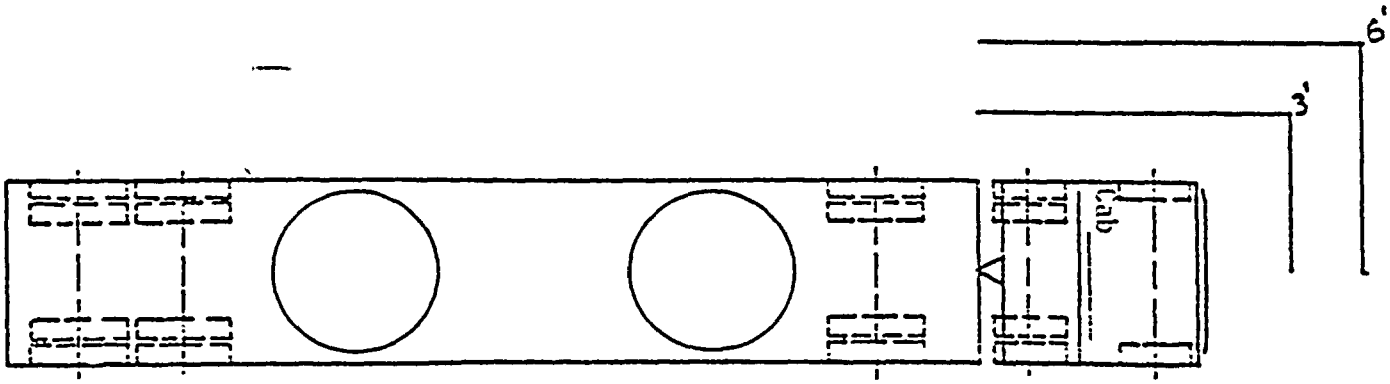
Carrier _____



Date _____ Technician _____

Time _____ Instrument _____

OUTGOING SURVEY - FLATBED



Carrier _____

Trailer# _____ Date _____

Max. Rad. Level (C) _____ Time _____

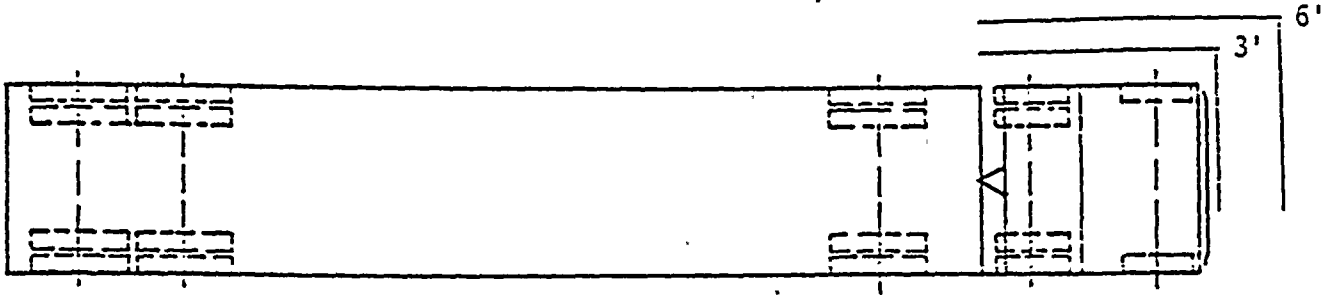
Max. Rad. Level (6') _____ Technician _____

Max. Rad. Level (3') _____ Instrument _____

INCOMING SURVEY - VAN OR RAGTOP

*All smears <50 dpm and all readings <.2 mR/hr, unless noted.

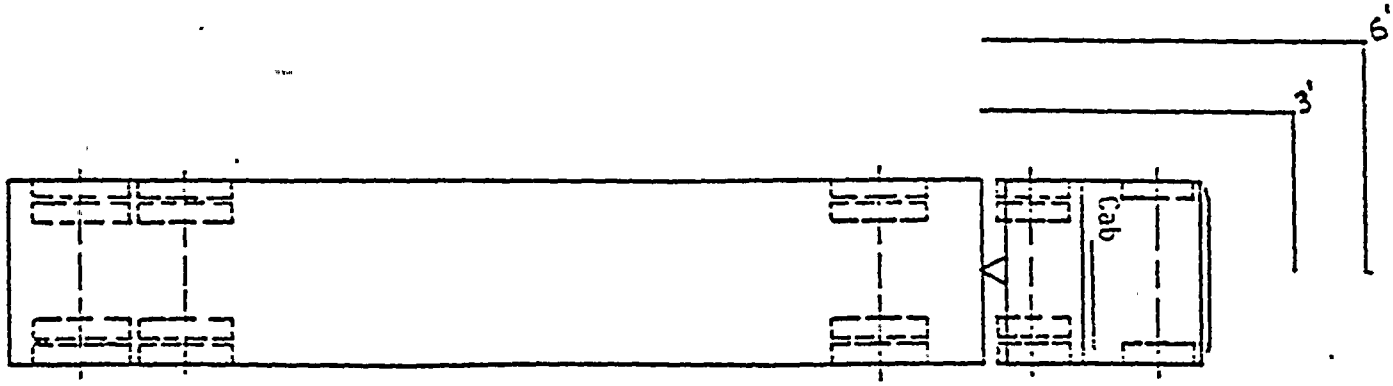
Trailer# _____



Date _____ Technician _____

Time _____ Instrument _____

OUTGOING SURVEY - VAN OR RAGTOP



Carrier _____

Trailer# _____ Date _____

Max. Rad. Level (C) _____ Time _____

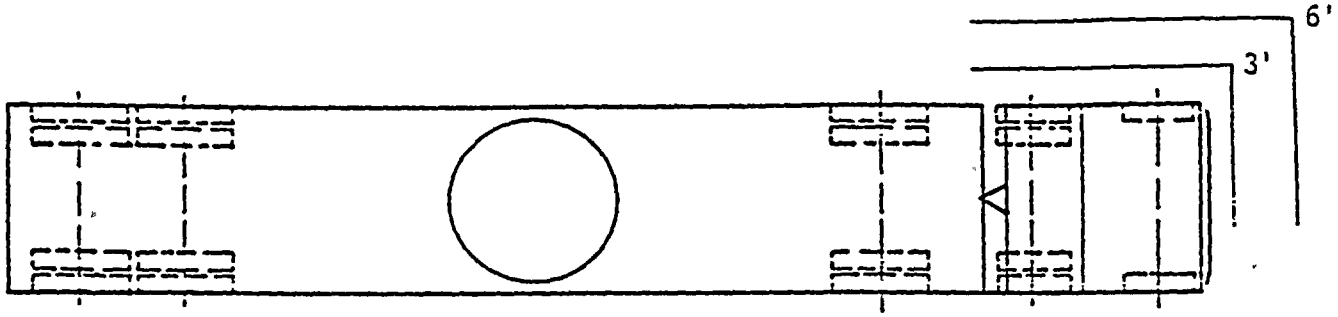
Max. Rad. Level (6') _____ Technician _____

Max. Rad. Level (3') _____ Instrument _____

INCOMING SURVEY - CASK

*All smears <50 dpm and all readings <.2 mR/hr, unless noted.

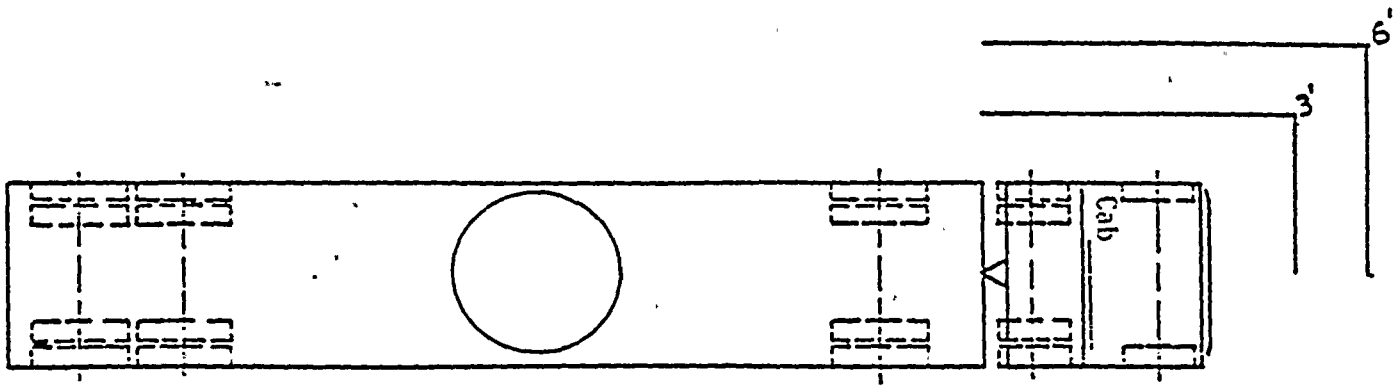
'ler# _____



Date _____ Technician _____

Time _____ Instrument _____

OUTGOING SURVEY - CASK



Carrier _____

Trailer# _____ Date _____

Max. Rad. Level (C) _____ Time _____

Max. Rad. Level (6') _____ Technician _____

Max. Rad. Level (3') _____ Instrument _____

Form RHA-CT
(5/80)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Waste Shipment Certification Form

12 PMP 3150 PCP.001
Attachment XV

General Instructions and Information: This is a two part form to be used by shippers and carriers of radioactive waste. The certifications contained herein satisfy the requirements of Section 13-7-150, of Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act. This certification along with a copy of the prior notification form shall accompany each shipment of radioactive waste into and within the State of South Carolina. The shipper is to complete his portion of the form and present it to the carrier as part of the shipping documents. Upon receipt, the carrier shall complete his portion of the form. Upon delivery of the shipment to the consignee, a copy of this certification form, and a copy of the Prior Notification and Manifest form with the consignee acknowledgement, shall be returned to the Department.

Part I: Shipper's Certificate of Compliance

1. Name of Shipper and Address:	2. Shipment Identification No.
Telephone No. ( )	3. Transport Permit No.

In compliance with Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act, I hereby certify on behalf of the above-named shipper to the South Carolina Department of Health and Environmental Control that the above-named shipper has complied with all provisions of Act No. 499 of 1980, and all applicable laws and administrative rules and regulations, both State and Federal, regarding the packaging, transportation, storage, disposal and delivery of such wastes. I further certify that this shipment of radioactive waste has been inspected within 48 hours of the time of departure and that no items of non-compliance with applicable laws, rules or regulations were found.

Date_____

Printed Name and Title of Agent of Shipper | Signature

Part II: Carrier's Certification

1. Name of Carrier and Address:	2. Shipment Identification No.
Telephone No. ( )	3. Transport Trailer No.
4. Scheduled Date of Departure of Shipment:	5. Estimated Date of Arrival of Shipment:

Certification is hereby made to the South Carolina Department of Health and Environmental Control that: (a) the shipper has provided the carrier with a copy of the shipment manifest, the certificate of compliance, and the routing instructions; (b) the shipment of radioactive waste has been properly placarded for transport according to applicable U.S. Department of Transportation Regulations; (c) all shipping papers originated or reproduced by the carrier have been properly executed; (d) the transport vehicle has been inspected according to applicable State and Federal regulations within the prescribed intervals and that all safety and operational components are in good working order and meet the requirements of regulations; (e) all drivers who will operate the vehicle within the State of South Carolina are qualified to transport hazardous materials as specified by applicable U.S. Department of Transportation regulations; (f) the Department shall be immediately notified of any variance, occuring after departure, from the shipper's notification of primary routes in South Carolina and estimated date of arrival; (g) all applicable laws and administrative rules and regulations, both State and Federal, regarding the transportation of radioactive wastes will be complied with.

Date_____

Printed Name and Title | Signature

DHEC 8[illegible]
(5/80)

(Copies of this form may be reproduced locally as needed)

Form RHA-PNC
(5/80)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Waste Shipment Prior Notification and Manifest Form

UN 2912

See Reverse Side for Instructions

1. Name and Address of Shipper:	2. Person Responsible for Radioactive Waste Shipment: (a) Name (b) Title (c) Telephone No. ( )
3. Radioactive Waste Transport Permit No.	4. Shipment Identification No.:
5. Location from which waste will be shipped:	6. Name and Address of Consignee
7. Scheduled Date of Departure of Shipment:	8. Estimated Date of Arrival of Shipment:

9. Carrier:	10. Type of Transport Vehicle:	11. Trailer No. and Owner

12. Routes shipment will follow in State of South Carolina (Be Specific):

Manifest Summary

13. Type Container or Cask:	14. Container Spec.	15. Total No. of Containers
16. Waste Description: Physical and Chemical Form	17. Prominent Radionuclides:	
18. Total Curies:	19. Transport Group:	20. Total Cubic Feet:

21. Waste Classification:

		Normal Form	Special Form	Fissile
[] Radioactive LSA	[] Bulk LSA	[] Type A quantity	[] Type A quantity	[] Class I
[] Radioactive LSA greater than Type A quantities	[] Limited quantities and radioactive devices	[] Type B quantity [] Large quantity	[] Type B quantity [] Large quantity	[] Class II [] Class III

CERTIFICATION

I hereby certify on behalf of the above-named shipper to the South Carolina Department of Health and Environmental Control that the information provided herein is complete and correct to the best of my knowledge; and that the shipper has complied with all the provisions as required by Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act.

Date_____

Typed Name and Title of Agent of Shipper

Signature

CONSIGNEE ACKNOWLEDGEMENT

This acknowledges to the South Carolina Department of Health and Environmental Control that the above-described radioactive waste shipment was received.

Date of Delivery

Signature of Consignee or Authorized Agent

Typed or Printed Name and Title

Page 1 of 1
Rev. 2

DHEC 302
(5/80)

(Copies of this form may be reproduced locally as needed)

DONALD C. COOK NUCLEAR PLANT

Radioactive Waste Shipment Notification

Telecon Date_____ Person Notified_____

ARRIVAL DATE	SHIPMENT DATE	DEPARTURE TIME	VEHICLE TYPE	CURIE CONTENT (EST)	BURIAL SITE DESTINATION	SHIPMENT DESCRIPTION	COMMENTS

RADIOACTIVE WASTE SHIPMENT CHECK OFF SHEET

Prior to Shipment Date

Shipment No._____ Allocation No._____

Prior Notification Forms Mailed

Requirement: At least seven (7) days prior to date of shipment

Site	Date	Initial
Barnwell		
Beatty		
Richland		

State	Date	Initial
Michigan		
South Carolina		

Prior Notification Forms Telecopied *(If Mailing Requirement Is Not Met)

Requirement: At least seventy-two (72) hours prior to arrival of shipment at the Burial Site.

Site	Date	Initial
Barnwell		
Beatty		
Richland		

Prior Notification Given (Telephone)

Requirement: At least seven days prior to date of shipment.

State	Date	Initial
Michigan		

Shipment Schedule Arranged (Telephone)

Requirement: When shipping schedule has been determined with applicable Burial Site.

HNDC Personnel Contacted	Date	Initial

Shipment Schedule Arranged (Mail)

Requirement: On day of telephone notification.

HNDC Personnel Forms Mailed To (Name)

Date of Shipment

State Police Notification

Requirement: At least one hour prior to shipment departure.

Date	Time	Officer Notified	Initial

Burial Site Notification

Requirement: To be given when shipment departs plant site.

Date	Time	Personnel Contacted	Site	Initial
			Barnwell Beatty Richland	

State Notification

Requirement: Notification given only if there is a change in the PN&M Form.

Date	Time	Personnel Contacted	State	Initial
			South Carolina	

Radioactive Shipment Record (RSR) Check For Completeness

Requirement: Thorough check of every column on RSR for proper wording and correct information.

Date	Time	RSR	Initial
		Chem-Nuclear U.S. Ecology, Inc.	

Vehicle/Package Check

Date	Time	Vehicle	Initial	Package	Initial
		Placarded Surveyed		Labeled Sealed Surveyed	

1 FILTER ELEMENTS
2 DEWATERING LINE
3 MIXER ASSEMBLY
4 DEFLECTION CONE
5 DRIVE CONNECTION

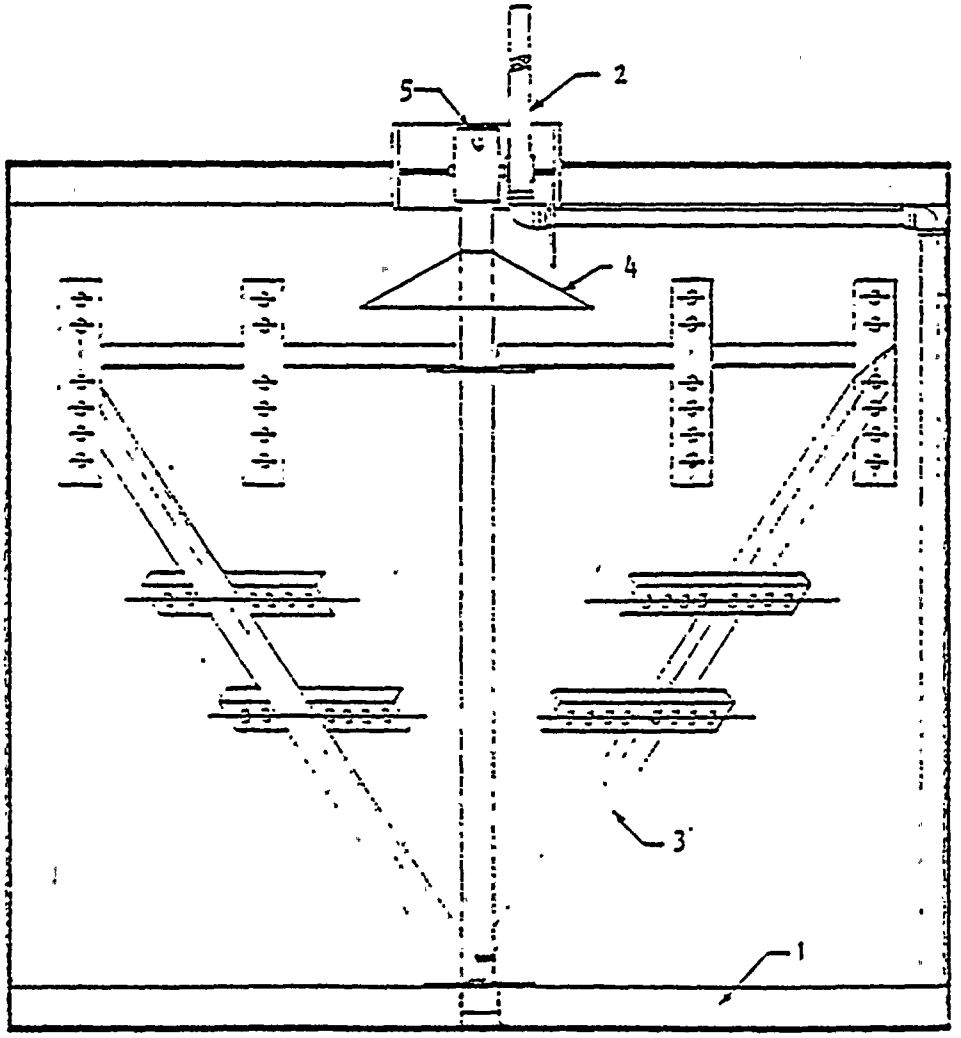


Figure III
HN-ICO Liner
In-Container Cement Solidification

FILTER CHANGE SIGN-OFF SHEET

NOTE: The time period between Step 1 and Step 3 must be greater than or equal to 15 minutes.

OPERATIONS — DATE / TIME / BY

STEP 1: Filter-Vented and Drained (Clearance hung). Place this form on RWP Paper at job site. _____/_____/_____

MAINTENANCE

STEP 2: Place approximately one liter of absorbent material into the bags that will be used to transport the filter after removal. (absorbent material available in 587' Drumming Room)

STEP 3: Remove Filter, Transport to 587' Drumming Room and place in Drum (time filter removed from housing).

_____/_____/_____

NOTE: Filter must not have a continuous flow of water coming from it. It should only be dripping.

CAUTION: Use extreme care, when placing the filter into the receiving barrel to avoid spreading contamination.

STEP 3 time minus STEP 1 time =

Total Drain Time_____Minutes _____/_____/_____

Maintenance personnel should give form to RP personnel covering the job.

RADIATION PROTECTION

Filter_____ Drum Location_____

Filter type_____ Contact Rad. Reading_____

Drum Number_____ 3' Radiation Reading_____

_____/_____/_____

NOTE: If the contamination results are > 2200 dpm/100 cm^2, the barrel must be deconned until the levels are < 2200 dpm/100 cm^2 and recorded.

_____/_____/_____

After completing of this sheet, RP should forward to the Environmental Section.

SHEET_____ OF_____

BOX NO._____

LOW LEVEL WASTE BOX INVENTORY

NOTE: NONCOMPRESSIBLE SOLID TRASH ONLY. NO LIQUID OR LIQUID FILLED CONTAINERS.

DESCRIPTION	APPROX. SIZE AND AMOUNT	DATE	INITIALS

SMEAR RESULTS

TOP _____

SIDES_____

BOTTOM_____

RAD LEVELS

CONTACT _____

3' _____

DATE SEALED_____

DATE SHIPPED_____

WEIGHT_____

DEMINERALIZER RESIN CALCULATION SHEET

ISOTOPE	CONCENTRATION FROM LAB	(a) FRACTION OF TOTAL CONCENTRATION	(b) τ/10	(c) EXPOSURE CONTRIBUTION (a) x (b)	TOTAL ACTIVITY IN RESIN (a) x (e)
Mn-54			0.47		
Co-57			0.09		
Co-58			0.55		
Co-60			1.32		
Ag-110m			1.43		
I-131			0.22		
Cs-134			0.87		
Cs-136			0.94		
Cs-137			0.33		
BaLa-140			2.37		
Zr-95			0.41		
Nb-95			0.42		
Sb-124			0.98		
TOTAL		1.00			

Exposure Contribution (c) = Fraction of total concentration (a) x τ/10 (b)

Exposure at 1 meter from 100 ml sample = _____ R/hr

If reading taken at 3 ft., R/hr at 1 meter = R/hr at 3 ft. x .836

_____ x .836

(B) Resin volume factor = ft^3 in cask x 283.2

= _____ x 283.2

= _____ x (d)

(A) Total activity is resin = $\frac{\text{Exposure at 1 meter x resin volume factor (d)}}{\text{Total exposure contribution (c)}}$

= $\frac{(\_\_\_\_\_ \text{R/hr} \times \_\_\_\_\_)}{(\_\_\_\_\_)}$

= _____ Ci (e)

Performed By_____ Date_____

Approved By_____ Shipment Number_____

TRANSPORT GROUPING OF RADIONUCLIDES

Element*	Radionuclide***	Group
Actinium (89)	Ac 227	I
	Ac 228	I
Americium (95)	Am 241	I
	Am 243	I
Antimony (51)	Sb 122	IV
	Sb 124	III
	Sb 125	III
Argon (18)	Ar 37	VI
	Ar 41	II
	Ar 41 (uncompressed)**	V
Arsenic (33)	As 73	IV
	As 74	IV
	As 76	IV
	As 77	IV
Astatine (85)	At 211	III
Barium (56)	Ba 131	IV
	Ba 133	II
	Ba 140	III
Berkelium (97)	Bk 249	I
Beryllium (4)	Be 7	IV
Bismuth (83)	Bi 206	IV
	Bi 207	III
	Bi 210	II
	Bi 212	III
Bromine (35)	Br 82	IV
Cadmium (48)	Cd 109	IV
	Cd 115 m	III
	Cd 115	IV
Calcium (20)	Ca 45	IV
	Ca 47	IV
Californium (98)	Cf 249	I
	Cf 250	I
	Cf 252	I
Carbon (6)	C 14	IV
Cerium (58)	Ce 141	IV
	Ce 143	IV
	Ce 144	III
Cesium (55)	Cs 131	IV
	Cs 134 m	III
	Cs 134	III
	Cs 135	IV
	Cs 136	IV
	Cs 137	III
Chlorine (17)	Cl 36	III
	Cl 39	IV

(See footnotes at end of table.)

Element*	Radionuclide***	Group
Chromium (24)	Cr 51	IV
Cobalt (27)	Co 56	III
	Co 57	IV
	Co 58 m	IV
	Co 58	IV
	Co 60	III
Copper (29)	Cu 64	IV
Curium (96)	Cm 242	I
	Cm 243	I
	Cm 244	I
	Cm 245	I
	Cm 246	I
Dysprosium (66)	Dy 154	III
	Dy 165	IV
	Dy 166	IV
Erbium (68)	Er 169	IV
	Er 171	IV
Europium (63)	Eu 150	III
	Eu 152 m	IV
	Eu 152	III
	Eu 154	II
	Eu 155	IV
Fluorine (9)	F 18	IV
Gadolinium (64)	Gd 153	IV
	Gd 159	IV
Gallium (31)	Ga 67	III
	Ga 72	IV
Germanium (32)	Ge 71	IV
Gold (79)	Au 193	III
	Au 194	III
	Au 195	III
	Au 196	IV
	Au 198	IV
	Au 199	IV
Hafnium (72)	Hf 181	IV
Holmium (67)	Ho 166	IV
Hydrogen (1)	H 3 (see tritium)	
Indium (49)	In 113 m	IV
	In 114 m	III
	In 115 m	IV
	In 115	IV
Iodine (53)	I 124	III
	I 125	III
	I 126	III
	I 129	III
	I 131	III
	I 132	IV

(See footnotes at end of table.)

Element*	Radionuclide***	Group
[Iodine (53)]	I 133	III
	I 134	IV
	I 135	IV
Indium (77)	Ir 190	IV
	Ir 192	III
	Ir 194	IV
Iron (26)	Fe 55	IV
	Fe 59	IV
Krypton (36)	Kr 85 m	III
	Kr 85 m (uncompressed).**	V
	Kr 85	III
	Kr 85 (uncompressed).**	VI
	Kr 87	II
	Kr 87 (uncompressed).**	V
Lanthanum (57)	La 140	IV
Lead (82)	Pb 203	IV
	Pb 210	II
	Pb 212	II
Lutecium (71)	Lu 172	III
	Lu 177	IV
Magnesium (12)	Mg 28	III
Manganese (25)	Mn 52	IV
	Mn 54	IV
	Mn 56	IV
Mercury (80)	Hg 197 m	IV
	Hg 197	IV
	Hg 203	IV
Mixed fission products M.F.P.		II
Molybdenum (42)	Mo 99	IV
Neodymium (60)	Nd 147	IV
	Nd 149	IV
Neptunium (93)	Np 237	I
	Np 239	I
Nickel (28)	Ni 56	III
	Ni 59	IV
	Ni 63	IV
	Ni 65	IV
Niobium (41)	Nb 93 m	IV
	Nb 95	IV
	Nb 97	IV
Osmium (76)	Os 185	IV
	Os 191 m	IV
	Os 191	IV
	Os 193	IV
Palladium (46)	Pd 103	IV
	Pd 109	IV

(See footnotes at end of table.)

Element*	Radionuclide***	Group
Phosphorus (15)	P 32	IV
Platinum (78)	Pt 191	IV
	Pt 193	IV
	Pt 193 m	IV
	Pt 197 m	IV
	Pt 197	IV
Plutonium (94)	Pu 238 (F)	I
	Pu 239 (F)	I
	Pu 240	I
	Pu 241 (F)	I
	Pu 242	I
Polonium (84)	Po 210	I
Potassium (19)	K 42	IV
	K 43	III
Praseodymium (59)	Pr 142	IV
	Pr 143	IV
Promethium (61)	Pm 147	IV
	Pm 149	IV
Protactinium (91)	Pa 230	I
	Pa 231	I
	Pa 233	II
Radium (88)	Ra 223	II
	Ra 224	II
	Ra 226	I
	Ra 228	I
Radon (86)	Rn 220	IV
	Rn 222	II
Rhenium (75)	Re 183	IV
	Re 186	IV
	Re 187	IV
	Re 188	IV
	Re Natural	IV
Rhodium (45)	Rh 103 m	IV
	Rh 105	IV
Rubidium (37)	Rb 86	IV
	Rb 87	IV
	Rb Natural	IV
Ruthenium (44)	Ru 97	IV
	Ru 103	IV
	Ru 105	IV
	Ru 106	III
Samarium (62)	Sm 145	III
	Sm 147	III
	Sm 151	IV
	Sm 153	IV

(See footnotes at end of table.)

Element*	Radionuclide***	Group
Scandium (21)	Sc 46	III
	Sc 47	IV
	Sc 48	IV
Selenium (34)	Se 75	IV
Silicon (14)	Si 31	IV
Silver (47)	Ag 105	IV
	Ag 110 m	III
	Ag 111	IV
Sodium (11)	Na 22	III
	Na 24	IV
Strontium (38)	Sr 85 m	IV
	Sr 85	IV
	Sr 89	III
	Sr 90	II
	Sr 91	III
	Sr 92	IV
Sulphur (16)	S 35	IV
Tantalum (73)	Ta 182	III
Technetium (43)	Tc 96 m	IV
	Tc 96	IV
	Tc 97 m	IV
	Tc 97	IV
	Tc 99 m	IV
	Tc 99	IV
Tellurium (52)	Te 125 m	IV
	Te 127 m	IV
	Te 127	IV
	Te 129 m	III
	Te 129	IV
	Te 131 m	III
	Te 132	IV
Terbium (65)	Tb 160	III
Thallium (81)	Tl 200	IV
	Tl 201	IV
	Tl 202	IV
	Tl 204	III
Thorium (90)	Th 227	II
	Th 228	I
	Th 230	I
	Th 231	I
	Th 232	III
	Th 234	II
	Th Natural	III
Thulium (69)	Tm 168	III
	Tm 170	III
	Tm 171	IV

(See footnotes at end of table.)

Element*	Radionuclide***	Group
Tin (50)	Sn 113	IV
	Sn 117 m	III
	Sn 121	III
	Sn 125	IV
Tritium (1)	H 3	IV
	H 3 (as a gas, as luminous paint, or absorbed on solid material).	VII
Tungsten (74)	W 181	IV
	W 185	IV
	W 187	IV
Uranium (92)	U 230	II
	U 232	I
	U 233 (F)	II
	U 234	II
	U 235 (F)	III
	U 236	II
	U 238	III
	U Natural	III
	U Enriched (F)	III
	U Depleted	III
Vanadium (23)	V 48	IV
	V 49	III
Xenon (54)	Xe 125	III
	Xe 131 m	III
	Xe 131 m (uncompressed).**	V
	Xe 133	III
	Xe 133 (uncompressed).**	VI
Xenon (54)--Con.	Xe 135	II
	Xe 135 (uncompressed).**	V
Ytterbium (70)	Yb 175	IV
Yttrium (39)	Y 88	III
	Y 90	IV
	Y 91 m	III
	Y 91	III
	Y 92	IV
	Y 93	IV
Zinc (30)	Zn 65	IV
	Zn 69 m	IV
	Zn 69	IV
Zirconium (40)	Zr 93	IV
	Zr 95	III
	Zr 97	IV

*Atomic number shown in parentheses.
**Uncompressed means at a pressure not exceeding one atmosphere.
***Atomic weight shown after the radionuclide symbol.
m--Metastable state.
(F) Fissile material.

RETS MASTER FILE
Eff-83a

Donald C. Cook Nuclear Plant • Units 1 & 2

Semi-Annual Radioactive Effluent Release Report

January 1, - June 30, 1983

Indiana & Michigan Electric Company
Bridgman, Michigan

Docket Nos. 50-315 & 50-316
License Nos. DPR-58 & DPR-74

AMERICAN ELECTRIC
AEP
POWER SYSTEM

4/11/85
Note -
No cover letter
in OCS.
MJ

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I. INTRODUCTION

This report discusses the radioactive discharges from Units 1 and 2 of the Donald C. Cook Nuclear Plant during the first half of 1983, according to Section 6.9.1.9 of "Appendix A" Technical Specifications for the Facility Operating License.

Unit 1:

Unit 1 entered this reporting period operating at full power. On March 15, 1983, the Unit was removed from service to perform required surveillance on the Containment Ice Condenser Inlet Doors and Train "A" Blackout Testing. All test data were found to be within Technical Specification requirements. The Unit was returned to service on March 27, 1983. On May 25, 1983, the unit was removed from service when an internal audit discovered that Technical Specification 4.7.1.5.b required surveillance testing on the steam generator stop valves had not been performed during the March 25, 1983 outage. After the four valves were testing successfully, Unit 1 was returned to service on the same day. On May 28, 1983, the Unit tripped when the Power Load Unbalance Circuit on the Turbine Generator was tested. The Unit was returned to service on May 30, 1983. Unit 1 experienced no major shutdown during the rest of the reporting period.

Unit 2:

Unit 2 entered this period in refueling Mode 6 due to its cycle III-IV refueling outage which began on November 21, 1982. Following completion of the outage and low power physics testing, the Unit was returned to service on January 23, 1983. On January 27, 1983, Unit 2 tripped when an incorrect control switch was operated and was returned to service on the same day. Unit 2 was removed from service on January 28, 1983 to perform a modification to the turbine speed generator. The Unit was returned to service on the same day. On June 23, 1983, Unit 2 tripped due to failure of vital instrument bus CRID IV inverter. This was declared as the start of a planned outage one day early to locate and plug the leaking tubes in steam generator No. 23 and perform ice condenser basket weighing. The Unit remained out of service for the rest of the reporting period.

Further details on Plant operations may be obtained from the Monthly Operating Reports issued during this reporting period.

II. RADIOACTIVE RELEASES

Since a number of release points are common to both Units, the release data from both Units were combined to form this two-Unit, Semi-Annual Radioactive Release Report. Appendix A presents this information in accordance with Section 6.9.1.9 of Appendix A to the Facility Operating License (Environmental Technical Specifications). As in reports preceding this one, the effluents were well within the limits set forth in the Technical Specifications and Appendix I to 10 CFR Part 50.

III. RADIOLOGICAL IMPACT ON MAN

Maximum individual doses were calculated using the measured effluents and meteorological data given in Appendices A and B of this report, respectively.

Liquid Releases:

The liquid releases consisted of 30 Batch releases in the first quarter and 25 Batch releases in the second quarter of 1983. These releases were treated as continuous releases for the purpose of dose calculations. The estimated doses in millirems to individuals from the liquid pathways are given in Appendix A.

Gaseous Releases:

The gaseous releases consisted of one Batch release in the first quarter and 14 Batch releases in the second quarter of 1983. Doses were estimated for the Batch and continuous releases during each of the two quarters using the measured meteorological data at the times of the releases. The estimated doses in millirems to individuals through the gaseous pathways are listed in Appendix A.

IV. METEOROLOGICAL DATA

Appendix B contains the cumulative joint-frequency distribution of wind speed and wind direction corresponding to various atmospheric stability classes for both quarters. The meteorological conditions during each of the two quarters are also furnished in Appendix B.

V. PROCESS CONTROL PROGRAM (PCP) CHANGES

Changes made to the "Radioactive Waste Process Control Manual 12 PMP 3150 PCP .001" are included as Temporary Sheet Nos. 1-3 and are given in Appendix C. The

reasons for the changes and PNSRC approval are documented on the cover sheets. Most of the changes were a result of NRC requests, information notices or recommendations. Changes in burial site criteria and a commitment to the State of South Carolina accounted for the other changes. These changes did not reduce the overall conformance of the soldified waste product to existing criteria for solid wastes.

VI. OFFSITE DOSE CALCULATION MANUAL CHANGES

There were no changes made to the Offsite Dose Calculation Manual (ODCM) during the report period.

VII. CONCLUSIONS

During this reporting period, Unit 1 of the Donald C. Cook Nuclear Plant generated 4,367,780 Mwh Gross of electrical energy. The Monthly Operating Reports indicate that during the reporting period, Unit 1 was operating at a Unit Service Factor of 97.9% and at an average Unit Capacity Factor of 93.1%.

Unit 2 generated 3,924,210 Mwh Gross of electrical energy during the first six months of 1983. During the reporting period, Unit 2 operated at an 83.2% Unit Service Factor and at an average Unit Capacity Factor of 80.7%.

Based on the information presented in this report, it is concluded that the Units performed their intended design function without causing any hazard to the health and safety of the general public.

A-1 RADIOACTIVE RELEASE DATA

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT-FIRST HALF 1983

Supplemental Information

Facility: D.C. Cook Plant
Licensee: Indiana & Michigan Electric Company

1. Regulatory Limits

A. Noble Gases

The air dose in unrestricted areas due to noble gases released in gaseous effluents shall be limited to the following:

1. During any calendar quarter, to $\leq$ 5 mrad for gamma radiation and $\leq$ 10 mrad for beta radiation;

2. During any calendar year, to $\leq$ 10 mrad for gamma radiation and $\leq$ 20 mrad for beta radiation.

B. Iodines - Particulates

The dose to a member of the public from radioiodines, radioactive materials in particulate form, and radionuclides other than noble gases with half-lives greater than 8 days in gaseous effluents released to unrestricted areas shall be limited to the following:

1. During any calendar quarter to $\leq$ 7.5 mrem to any organ;

2. During any calendar year to $\leq$ 15 mrem to any organ.

C. Liquid Effluents

The dose or dose commitment to an individual from radioactive material in liquid effluents released to unrestricted areas shall be limited:

1. During any calendar quarter to $\leq$ 1.5 mrem to the total body and to $\leq$ 5 mrem to any organ, and:

2. During any calendar year to $\leq$ 3 mrem to the total body and to $\leq$ 10 mrem to any organ.

D. Total Dose

The dose or dose committment to a real individual from all uranium fuel cycle sources is limited to ≤ 25 mrem to the total body or any organ (except the thyroid, which is limited to ≤ 75 mrem) over a period of 12 consecutive months.

2. Maximum Permissable Concentrations

A. Gaseous Effluents

The dose rate due to radioactive materials released in gaseous effluents from the site shall be limited to the following:

1. For noble gases: ≤ 500 mrem/yr to the total body and ≤ 3000 mrem/yr to the skin, and:

2. For all radioiodines and for all radioactive materials in particulate form and radionuclides (other than noble gases) with half-lives greater than 8 days: ≤ 1500 mrem/yr to any organ.

The above limits are provided to insure that radioactive material discharged in gaseous effluents will not result in the exposure of an individual in an unrestricted area to annual average concentrations exceeding the limits in 10 CFR Part 20, Appendix B, Table II.

B. Liquid Effluents

The concentration of radioactive material released at any time from the site to unrestricted areas shall be limited to the concentrations specified in 10 CFR Part 20, Appendix B, Table II, Column 2, for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to 2×10^{-4} μCi/ml total activity.

3. Average Energy

The average energy ($\bar{E}$) of the radionuclide mixture in releases of fission and activation gases is not applicable per Regulatory Guide 1.21 Appendix B Section A.3.

4. Measurements and Approximations of Total Radioactivity

A. Fission and Activation Gases

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

B. Iodines

Sampled on an activated carbon filter or silver zeolite cartridge and analyzed on a 4096 channel analyzer and Ge(Li) detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Ge(Li) detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

30 releases in the 1st quarter, 1983
25 releases in the 2nd quarter, 1983

2. Total time period for batch releases:

9132 minutes

3. Maximum time for a batch release:

194 minutes

4. Average time period for batch release:

166 minutes

5. Minimum time period for a batch release:

141 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

694182 gpm circulating water

B. Gaseous

1. Number of batch releases:

1 in 1st quarter, 1983
14 in 2nd quarter, 1983

2. Total time period of batch releases:

1493 minutes

3. Maximum time period for a batch release:

245 minutes

4. Average time period for batch releases:

100 minutes

5. Minimum time period for a batch release:

70 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

B. Gaseous

1. Number of Releases:

1st Quarter	2nd Quarter
1	0

2. Total activity released:

1st Quarter	2nd Quarter
3.77E+1	0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1983

GASEOUS EFFLUENTS - ELEVATED RELEASE

Nuclides Released	Unit	Continuous Mode 1st Quarter	Continuous Mode 2nd Quarter	Batch Mode 1st Quarter	Batch Mode 2nd Quarter
1. FISSION GASES					
Krypton-85	Ci			2.77E-1	6.02E 0
Krypton-85M	Ci	3.65E-3	6.97E-2		2.20E-3
Krypton-87	Ci	3.81E-3	8.23E-2		
Krypton-88	Ci	4.53E-4	7.53E-2		6.74E-4
Xenon-133	Ci	2.13E+2	5.26E-1	1.20E+1	1.61E+1
Xenon-135	Ci	6.55E 0	6.89E-1	3.02E-4	1.41E-1
Xenon-135M	Ci				
Xenon-138	Ci	9.29E-4	3.85E-2		
Xenon-133M	Ci			1.11E-3	6.02E-2
Xenon-131M	Ci		5.68E-2	4.18E-2	2.74E-1
Argon-41	Ci	6.60E-2	5.97E-1		1.65E-3
Total for Period	Ci	2.20E+2	2.13E 0	1.23E+1	2.26E+1
2. IODINES					
Iodine-130	Ci		1.95E-4		
Iodine-131	Ci	5.89E-5	1.06E-3	5.93E-6	1.86E-6
Iodine-133	Ci	1.36E-3	8.77E-3		
Iodine-135	Ci	7.02E-4	7.67E-3		
Iodine-134	Ci	3.79E-5	1.77E-3		
Total for Period	Ci	2.16E-3	1.95E-2	5.93E-6	1.86E-6
3. PARTICULATES					
Strontium-92	Ci	4.53E-6			
Strontium-89	Ci	7.05E-7			
Strontium-90	Ci				
Cesium-134	Ci	2.16E-3	1.82E-5		
Cesium-137	Ci	3.66E-3	3.28E-5		
Ruthenium-106	Ci		3.52E-4		
Cobalt-58	Ci	7.12E-4	3.13E-5		
Cobalt-60	Ci	2.98E-4	7.80E-5		9.68E-7
Manganese-54	Ci	1.27E-5	2.92E-4		
Cesium-138	Ci		9.40E-4		
Cerium-139	Ci		2.79E-6		
Silver-110M	Ci	9.14E-6			
Sodium-24	Ci	7.45E-5	1.93E-4		
Chromium-51	Ci	2.49E-4			
Niobium-95	Ci	1.38E-6			
Total for Period	Ci	7.18E-3	1.94E-3		9.68E-7

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT -1983

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Units	1st Quarter	2nd Quarter	Est. Total Error, %
A. FISSION AND ACTIVATION GASES				
1. Total release	Ci	2.32E+2	2.47E+1	10.9
2. Average release rate for period.	µCi/sec	2.98E+1	3.14E 0	
3. Percent of Technical Specification limit.	% γ	2.10E-1	9.34E-2	
	% β	2.85E-1	1.37E-1	
B. IODINES				
1. Total Iodine-131	Ci	6.48E-5	1.06E-3	3.9
2. Average release rate for period.	µCi/Sec	8.33E-6	1.35E-4	
3. Percent of Technical Specification limit.	%	1.32E 0	3.19E-1	
C. PARTICULATES				
1. Particulates with half-lives > 8 days.	Ci	7.10E-3	8.07E-4	22.6
2. Average release rate for period.	µCi/sec	9.13E-4	1.03E-4	
3. Percent of Technical Specification limit.	%	1.32E 0	3.19E-1	
4. Gross alpha radioactivity.	Ci	<3.77E-5	<4.65E-5	
D. TRITIUM				
1. Total release.	Ci	5.28E-1	3.27E+1	1.9
2. Average release rate for period.	µCi/sec	6.79E-2	4.21E 0	
3. Percent of Technical Specification limit.	%	4.77E-1	2.83E+1	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT-1983

LIQUID EFFLUENTS

Nuclides Released		BATCH MODE 1st Quarter	BATCH MODE 2nd Quarter	CONTINUOUS MODE 1st Quarter	CONTINUOUS MODE 2nd Quarter
Strontium-92	Ci	4.81E-4	7.89E-3		
Strontium-89	Ci	5.28E-5	- 5.01E-5		
Strontium-90	Ci	1.52E-5	- 1.73E-5		
Cesium-134	Ci	5.00E-3	1.07E-2	1.05E-2	5.56E-5
Cesium-137	Ci	1.57E-2	2.12E-2	1.98E-2	8.82E-5
Iodine-131	Ci	4.33E-4	2.91E-3	9.21E-5	1.79E-3
Iodine-135	Ci			1.10E-3	1.19E-2
Iron-55	Ci	2.27E-2	- 3.63E-2		
Cobalt-58	Ci	3.26E-2	2.53E-2	7.87E-3	1.26E-3
Cobalt-60	Ci	1.56E-2	3.50E-2	8.15E-3	8.62E-3
Cesium-138	Ci				1.05E-3
Zinc-65	Ci	2.79E-4	3.44E-4		
Manganese-54	Ci	1.16E-3	2.61E-3	1.98E-5	4.58E-4
Chromium-51	Ci	2.51E-3	9.28E-4	5.01E-4	
Iodine-134	Ci			5.92E-5	2.78E-3
Beryllium-7	Ci		8.53E-4		
Zirconium-Niobium-95	Ci	1.43E-3	1.54E-3	6.18E-4	2.47E-4
Molybdenum-99	Ci				
Technetium-99M	Ci		1.23E-5		3.92E-4
Barium-Lanthanum-140	Ci				1.06E-3
Ruthenium-106	Ci		9.34E-4		5.50E-4
Antimony-124	Ci	7.56E-5	1.53E-3		
Antimony-125	Ci	1.70E-4	2.37E-4		
Iodine-130	Ci				3.06E-4
Sodium-24	Ci			1.17E-4	3.00E-4
Iodine-133	Ci	1.76E-5	7.99E-5	2.27E-3	1.68E-2
Cobalt-57	Ci	5.24E-5	1.85E-4		
Zirconium-97	Ci	2.41E-5	4.42E-4		
Silver-110M	Ci	6.46E-4	8.13E-3		
Cerium-144	Ci	7.46E-4			
Ruthenium-103	Ci	4.39E-4			
Xenon-133	Ci	7.56E-2	2.91E-1	2.47E-3	1.28E-2
Xenon-131M	Ci				
Xenon-133M	Ci	7.78E-4	3.28E-3		
Xenon-135	Ci	1.36E-3	4.30E-3	9.45E-3	5.87E-2
Argon-41	Ci				
Krypton-85M	Ci		1.85E-5		

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT-1983

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	1st BATCH Quarter	2nd Quarter	1st CONTINUOUS Quarter	2nd Quarter	Est. Total Error, %
A. FISSION AND ACTIVATION PRODUCTS						
1. Total Release (Not including Tritium, Alpha, Gases)	Ci	1.00E-1	1.57E-1	5.11E-2	4.77E-2	4.09
2. Average diluted concentration during period.	µCi/ml	7.89E-9	1.38E-8	6.36E-11	5.28E-11	
3. Percent of applicable limit.	%	3.10E-2	1.25E-1	7.36E-4	2.91E-3	
B. TRITIUM						
1. Total Release	Ci	1.55E+2	2.75E+2	1.98E+1	9.91E 0	0.27
2. Average diluted concentration during period.	µCi/ml	1.22E-5	2.41E-5	2.47E-8	1.10E-8	
3. Percent of applicable limit.	%	4.07E-1	8.04E-1	8.22E-4	3.66E-4	
C. DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	7.77E-2	2.99E-1	1.19E-2	7.15E-2	12.48
2. Average diluted concentration during period.	µCi/ml	6.12E-9	2.62E-8	1.48E-11	7.92E-11	
3. Percent of applicable limit.	%	3.06E-3	1.31E-2	7.41E-6	3.96E-5	

	UNIT	1st BATCH Quarter	2nd Quarter	1st CONTINUOUS Quarter	2nd Quarter	Est. Total Error, %
D. GROSS ALPHA RADIOACTIVITY						
1. Total Release	ci	< 9.17E-4	1.09E-3	NA	NA	4.62
E. VOLUME OF WASTE RELEASED	Liters	2.06E+6	1.73E+6	2.27E+8	2.90E+8	2.00
F. VOLUME OF DILUTION WATER USED DURING PERIOD	Liters	1.27E+10	1.14E+10	8.03E+11	9.03E+11	3.48

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half 1983

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite for Burial or Disposal

1.

Type of Waste	Unit	6 month Period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m^3 Ci	1.23E+2 6.40E+2	1 E 0 4 E 0
b. Dry compressible waste, contaminated equipment, etc.	m^3 Ci	2.08E+2 2.72E+1	1 E 0 2 E 0
c. Irradiated components, control rods, etc.	m^3 Ci		
d. Other	m^3 Ci		

2. Estimate of Major Nuclide Composition

a.	CS-137	60 %
	CS-134	35 %
	CO-58	1 %
	CO-60	4 %
b.	CO-60	3 %
	CO-58	82 %
	CS-137	15 %

3. Solid Waste Disposition

No. of Shipments	Mode of Transportation	Destination
20	Truck	Barnwell, SC
5	Truck	Richland, WA

4. Type of Containers Used for Shipment

Resins-Type A
Evaporator Bottoms-Strong Tight
Dry Compressible Waste-Spec. 7A
Dry Non-Compressible Waste-Strong Tigh
Filters-Type A.
All were shipped marked Radioactive LSA *

5. Solidification Agent

Resins and Evaporator Bottoms are Solidified in Cement

* Two shipments of resin to the Barnwell Burial Site were marked Radioactive LSA-Large Quantity

Release Number	Start Date / Stop Date	Start Time / Stop Time	H_3	I-131	I-133	Xe-133	Xe-133M	Xe-135	Xe-131M	Kr-85	Co-60	Ar-41	Kr-88	Kr-85M	Cs-13[illegible]	Co-58
G-83-1	01-16-83 / 01-16-83	1613 / 1735	4.069E-5	5.931E-6		1.180E-1	1.109E-3	3.021E-4	4.181E-2	2.777E-1						
G-83-2	NOT RELEASED															
G-83-3	NOT RELEASED															
G-83-4	NOT RELEASED															
G-83-5	04-14-83 / 04-14-83	0923 / 1042	1.593E-5	1.952E-8		6.525E-4				5.263E-1	2.816E-7					
G-83-6	04-16-83 / 04-16-83	0637 / 0803	4.288E-5	1.094E-7		5.277E-1	3.147E-4		4.720E-2	4.883E-1	4.192E-8					
G-83-7	04-16-83 / 04-16-83	1133 / 1243	2.020E-5			2.366E-3				1.257E 0						
G-83-8	04-17-83 / 04-17-83	0154 / 0334	3.002E-5	1.720E-7		4.861E-1	1.411E-3	1.879E-4	3.886E-2	4.990E-1	4.244E-8					
G-83-9	04-17-83 / 04-17-83	1044 / 1201	2.673E-5	7.032E-8		4.180E-1	1.668E-4	2.161E-5	2.692E-2		4.587E-8					
G-83-10	04-17-83 / 04-17-83	2149 / 2305	1.156E-4	5.557E-7		5.049E-1	1.230E-2	3.569E-2	5.465E-2	4.845E-1				2.441E-4		
G-83-11	04-18-83 / 04-18-83	0626 / 0751	4.656E-5	1.629E-7		3.479E-1	9.110E-3	1.870E-2	5.339E-2	4.957E-1		1.388E-3	4.042E-4	8.788E-4		
G-83-12	04-18-83 / 04-18-83	1903 / 2019	1.343E-4	2.777E-7		4.740E-1	1.658E-2	3.448E-2		7.191E-1	1.892E-7	2.238E-4	2.695E-4	1.068E-3		
G-83-13	04-20-83 / 04-20-83	0012 / 0315	1.871E-5	1.842E-7		2.418E-1	4.500E-4	3.761E-4	1.487E-2	2.792E-1		3.588E-5		1.142E-5		
G-83-14	04-19-83 / 04-19-83	0845 / 1008	1.921E-4	6.567E-8		5.763E-1	2.665E-3	3.440E-4	3.450E-2	5.793E-1	1.921E-7					
G-83-15	04-22-83 / 04-22-83	0907 / 1312	7.676E-5	2.446E-7		9.191E-1										
G-83-16	NOT RELEASED															
G-83-17	05-16-83 / 05-16-83	0045 / 0207	1.263E-5			9.435E-3	2.883E-5		5.697E-4	3.142E-2	6.204E-8					
G-83-18	05-31-83 / 05-31-83	1435 / 1602	1.405E-5			1.749E-2		1.425E-5	2.083E-3	4.019E-1	6.289E-8					
G-83-19	06-24-83 / 06-30-83	2325 / 2400	3.358E-2			2.116E 0	1.723E-2	5.088E-2								
G-83-20	06-25-83 / 06-25-83	1129 / 1251	1.913E-5			1.359E-2		3.632E-5	1.534E-3	2.573E-1	4.962E-8					

A-2 SUMMARY OF MAXIMUM INDIVIDUAL DOSES FOR FIRST QUARTER OF 1983

The following distances were used in the calculation of the maximum individual doses:

SECTOR - DIRECTION	SITE BOUNDARY (METERS)	NEAREST RESIDENCE (METERS)
B - NNE	617	814
C - NE	789	1052
D - ENE	1497	1852
E - E	1274	1705
F - ESE	972	1628
G - SE	629	914
H - SSE	594	1093
J - S	594	863
K - SSW	629	770

1st Quarter - 1983

SUMMARY OF MAXIMUM INDIVIDUAL DOSES

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	Quarterly LIMIT (MREM)
Liquid	Total Body	9.34E-2	Adult	Receptor 1	6.23	1.5
Liquid	Liver	1.33E-1	Teen	Receptor 1	2.66	5.0
Noble Gas	Air Dose (Gamma-mrad)	1.05E-2	All	617 NNE	0.21	5.0
Noble Gas	Air Dose (Beta-mrad)	2.85E-2	All	617 NNE	0.29	10.0
Noble Gas	Total Body	3.82E-3	All	814 NNE	0.08	Yearly 5.0
Noble Gas	Skin	1.06E-2	All	814 NNE	0.07	Yearly 15.0
Iodines and Particulates	Liver	9.89E-2	Child	770 SSW	1.32	7.5

FOR RECEPTOR NUM[redacted] 1

TOTAL LIQUID DOSE ACCUMULATIONS(REM)
START DATE 83 1 1 1 END DATE 83 33124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	5.2E-07	4.4E-06	4.1E-06	3.7E-06	3.8E-06	3.6E-06	3.8E-06	0.0E 00
TEEN	5.1E-07	3.3E-06	2.8E-06	8.7E-06	2.7E-06	2.6E-08	8.7E-06	0.0E 00
CHILD	1.5E-06	6.4E-06	5.1E-06	5.2E-06	5.3E-06	4.9E-08	4.9E-06	0.0E 00
INFANT	1.5E-06	6.7E-06	4.9E-06	5.4E-06	5.2E-06	4.9E-08	4.8E-06	0.0E 00
SHORE								
ADULT	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	7.0E-08	8.2E-08
TEEN	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.6E-07
CHILD	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	8.1E-08	9.5E-08
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
FW SPT FISH								
ADULT	7.8E-05	1.3E-04	8.9E-05	4.7E-07	4.2E-05	1.4E-05	1.7E-05	0.0E 00
TEEN	8.2E-05	1.3E-04	5.0E-05	4.0E-07	4.3E-05	1.7E-05	1.2E-05	0.0E 00
CHILD	1.0E-04	1.1E-04	1.9E-05	3.8E-07	3.7E-05	1.3E-05	4.5E-06	0.0E 00
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00

TYPE [C] TO CONTINUE

TOTAL LIQUID DOSE ACCUMULATIONS(REM)
START DATE 83 1 1 1 END DATE 83 33124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
TOTAL								
ADULT	7.8E-05	1.3E-04	9.3E-05	4.3E-08	4.6E-05	1.8E-05	2.1E-05	8.2E-08
TEEN	8.3E-05	1.3E-04	5.3E-05	3.5E-08	4.6E-05	2.0E-05	1.5E-05	4.6E-07
CHILD	1.0E-04	1.2E-04	2.5E-05	5.7E-08	4.2E-05	1.8E-05	9.5E-06	9.5E-08
INFANT	1.5E-06	6.7E-06	4.9E-06	5.4E-08	5.2E-06	4.9E-06	4.8E-06	0.0E 00

RECEPTOR NUMBER - TYPE (1-5)

```
DOSE TYPE
ENTER: [GA]     GAMMA
       [BE]     BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
GA
 DATES OF TOTAL AIR DOSE ACCUMULATION ARE FROM 83 1 1 1 TO 83 33124
 DOSE ACCUMULATION FOR GAMMA
 **DIRECTION FROM  N
  4.6876E-06    5.4718E-07    2.5835E-07    1.5381E-07    1.0788E-07
  5.3806E-08    2.0789E-08    1.0203E-08    6.4631E-09    4.0372E-09
 **DIRECTION FROM NNE
  6.1836E-06    7.5587E-07    3.3691E-07    1.9818E-07    1.3148E-07
  6.2473E-08    2.2331E-08    1.0586E-08    6.4914E-09    3.8496E-09
 **DIRECTION FROM NE
  4.3280E-06    5.2690E-07    2.4244E-07    1.4190E-07    9.8899E-08
  4.7811E-08    1.7858E-08    8.6876E-09    5.4101E-09    3.3033E-09
 **DIRECTION FROM ENE
  6.7222E-06    8.5160E-07    3.9118E-07    2.8799E-07    1.5811E-07
  7.7301E-08    2.9049E-08    1.4144E-08    8.9324E-09    5.4753E-09
 **DIRECTION FROM  E
  9.4349E-08    1.2051E-06    5.5311E-07    3.8193E-07    2.8416E-07
  1.1073E-07    4.2003E-08    2.0534E-08    1.3003E-08    8.0141E-09
 **DIRECTION FROM ESE
  1.6796E-05    2.0798E-08    9.7065E-07    5.7318E-07    3.9909E-07
  1.9626E-07    7.4858E-08    3.6765E-08    2.3348E-08    1.4447E-08
 **DIRECTION FROM SE
  1.8156E-05    2.2421E-08    1.0664E-06    6.3719E-07    4.4939E-07
  2.2[illegible]q-07    8.9257E-08    4.4328E-08    2.8333E-08    1.7840E-08
 **DIRECTION FROM SSE
  1.3259E-05    1.6461E-08    7.9462E-07    4.7981E-07    3.3954E-07
  1.7843E-07    6.8645E-08    3.4371E-08    2.2087E-08    1.3982E-08
 **DIRECTION FROM  S
  1.5546E-05    1.9189E-08    9.2837E-07    5.6120E-07    3.9764E-07
  2.0237E-07    8.0822E-08    4.0266E-08    2.5819E-08    1.6356E-08
 **DIRECTION FROM SSW
  1.0638E-05    1.3485E-08    6.4178E-07    3.8378E-07    2.6965E-07
  1.3509E-07    5.2926E-08    2.6374E-08    1.6909E-08    1.0604E-08
 **DIRECTION FROM SW
  8.3170E-06    1.0862E-08    4.9636E-07    2.9177E-07    2.0404E-07
  1.0153E-07    3.9815E-08    1.9180E-08    1.2187E-08    7.5655E-09
 **DIRECTION FROM WSW
  7.1929E-06    8.8291E-07    4.0710E-07    2.3807E-07    1.6557E-07
  8.1365E-08    3.0708E-08    1.4982E-08    9.4000E-09    5.7832E-09
 **DIRECTION FROM  W
  8.6575E-08    1.0866E-06    4.9975E-07    2.9175E-07    2.0223E-07
  9.8695E-08    3.7068E-08    1.8051E-08    1.1399E-08    6.9827E-09
 **DIRECTION FROM WNW
  4.2634E-06    5.3588E-07    2.4399E-07    1.4128E-07    9.7777E-08
  4.7649E-08    1.7757E-08    8.6035E-09    5.4159E-09    3.3061E-09
 **DIRECTION FROM NW
  5.3006E-08    6.3251E-07    2.8548E-07    1.6475E-07    1.1325E-07
  6.4324E-08    1.9863E-08    9.5447E-09    5.9744E-09    3.6128E-09
 **DIRECTION FROM NNW
  4.0526E-06    4.8521E-07    2.1548E-07    1.2278E-07    8.4127E-08
  4.0159E-08    1.4436E-08    6.8356E-09    4.2301E-09    2.5213E-09
 DISTANCES USED IN CALCULATIONS
    594.0  2416.0  4020.0  5630.0  7240.0
  12067.0 24135.0 40285.0 56315.0 80500.0
ENTER: [RETURN] WHEN READY TO CONTINUE
```

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DOSE TYPE
ENTER: [GA]     GAMMA
       [BE]     BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
BE
 DATES OF TOTAL AIR DOSE ACCUMULATION ARE FROM 83 1 1 1 TO 83 33184
 DOSE ACCUMULATION FOR BETA
 **DIRECTION FROM  N
  1.2449E-05    1.4847E-06    7.0107E-07    4.1738E-07    2.9275E-07
  1.4601E-07    5.6440E-08    2.7686E-08    1.7639E-08    1.0965E-08
 **DIRECTION FROM NNE
  1.6780E-05    2.0512E-06    9.1424E-07    5.2151E-07    3.5679E-07
  1.6953E-07    6.0598E-08    2.8564E-08    1.7615E-08    1.0446E-08
 **DIRECTION FROM NE
  1.1745E-05    1.4271E-06    6.5789E-07    3.8506E-07    2.6675E-07
  1.2974E-07    4.8461E-08    2.3412E-08    1.4681E-08    8.9639E-09
 **DIRECTION FROM ENE
  1.8242E-05    2.3109E-06    1.0615E-06    6.1869E-07    4.2906E-07
  2.0977E-07    7.8829E-08    3.8381E-08    2.4239E-08    1.4858E-08
 **DIRECTION FROM  E
  2.5603E-05    3.2701E-06    1.5009E-06    8.7361E-07    6.0828E-07
  3.0047E-07    1.1398E-07    5.5723E-08    3.5286E-08    2.1747E-08
 **DIRECTION FROM ESE
  4.5578E-05    5.6434E-06    2.6340E-06    1.5554E-06    1.0830E-06
  5.3258E-07    2.0314E-07    9.9767E-08    6.3359E-08    3.9203E-08
 **DIRECTION FROM SE
  4.9270E-05    6.0842E-06    2.8940E-06    1.7291E-06    1.2195E-06
  6.1603E-07    2.4221E-07    1.2029E-07    7.6885E-08    4.8412E-08
 **DIRECTION FROM SSE
  3.5979E-05    4.4668E-06    2.1563E-06    1.3020E-06    9.2139E-07
  4.6790E-07    1.8628E-07    9.3271E-08    5.9935E-08    3.7941E-08
 **DIRECTION FROM  S
  4.2188E-05    5.2071E-06    2.5193E-06    1.5229E-06    1.0791E-06
  5.4916E-07    2.1878E-07    1.0927D-07    7.0063E-08    4.4384E-08
 **DIRECTION FROM SSW
  2.8867E-05    3.6594E-06    1.7416E-06    1.0414E-06    7.3174E-07
  3.6658E-07    1.4362E-07    7.1571E-08    4.5884E-08    2.8775E-08
 **DIRECTION FROM SW
  2.2569E-05    2.8933E-06    1.3470E-06    7.9175E-07    5.5369E-07
  2.7552E-07    1.0587E-07    5.2049E-08    3.3070E-08    2.0530E-08
 **DIRECTION FROM WSW
  1.9519E-05    2.3959E-06    1.1047E-06    6.4804E-07    4.4930E-07
  2.2080E-07    8.3331E-08    4.0493E-08    2.5508E-08    1.5694E-08
 **DIRECTION FROM  W
  2.1290E-05    3.0407E-06    1.3966E-06    8.1464E-07    5.6424E-07
  2.7489E-07    1.0298E-07    5.0074E-08    3.1586E-08    1.9380E-08
 **DIRECTION FROM WNW
  1.1569E-05    1.4541E-06    6.6211E-07    3.8339E-07    2.6533E-07
  1.2930E-07    4.8186E-08    2.3347E-08    1.4697E-08    8.9717E-09
 **DIRECTION FROM NW
  1.4384E-05    1.7164E-06    7.7468E-07    4.4706E-07    3.0733E-07
  1.4742E-07    5.3902E-08    2.5901E-08    1.6212E-08    9.8038E-09
 **DIRECTION FROM NNW
  1.0997E-05    1.3167E-06    5.8473E-07    3.3318E-07    2.2889E-07
  1.0898E-07    3.9173E-08    1.8550E-08    1.1479E-08    6.8418E-09
  DISTANCES USED IN CALCULATIONS
    594.0  2416.0  4020.0  5630.0  7240.0
  12067.0 24135.0 40225.0 56315.0 80500.0
 ENTER: [RETURN] WHEN READY TO CONTINUE
```

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 1 1 1 THRU 83 33184

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.0E-06	1.1E-05
TEEN	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.0E-06	1.1E-05
CHILD	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.0E-06	1.1E-05
INFNT	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.0E-06	1.1E-05
GROUND PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.1E-05
TEEN	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E,25	1.8E-05	1.8E-05	2.1E-05
CHILD	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.1E-05
INFNT	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.1E-05
VEGET PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	1.2E-05	7.3E-07	1.0E-05	1.7E-05	5.7E-06	4.4E-07	1.9E-06	0.0E 00
TEEN	1.0E-05	7.7E-07	1.6E-05	2.6E-05	8.6E-06	3.7E-07	3.3E-06	0.0E 00
CHILD	7.5E-06	5.2E-07	3.8E-05	4.3E-05	1.4E-05	6.8E-07	4.9E-06	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NNE								
ADULT	2.8E-08	4.2E-09	2.3E-08	3.9E-08	1.3E-08	9.0E-10	4.3E-09	0.0E 00
TEEN	1.3E-08	2.2E-09	1.9E-08	3.1E-08	1.0E-08	6.5E-10	3.9E-09	0.0E 00
CHILD	7.3E-09	1.1E-09	3.1E-08	4.0E-08	1.3E-08	9.9E-10	4.5E-09	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NNE								
ADULT	2.2E-07	6.5E-09	1.8E-07	3.1E-07	1.0E-07	2.7E-08	3.4E-08	0.0E 00
TEEN	2.1E-07	8.1E-09	3.3E-07	5.3E-07	1.8E-07	4.3E-08	6.8E-08	0.0E 00
CHILD	1.6E-07	5.9E-09	7.8E-07	9.0E-07	2.9E-07	8.8E-08	1.0E-07	0.0E 00
INFNT	1.4E-07	5.6E-09	1.2E-06	1.7E-06	4.5E-07	2.1E-07	1.8E-07	0.0E 00
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NNE								
ADULT	6.7E-07	1.7E-08	5.5E-07	9.2E-07	3.1E-07	3.3E-08	1.0E-07	0.0E 00
TEEN	6.4E-07	2.2E-08	9.8E-07	1.6E-06	5.3E-07	5.2E-08	2.0E-07	0.0E 00
CHILD	4.7E-07	1.6E-08	2.3E-06	2.7E-06	8.6E-07	1.1E-07	3.1E-07	0.0E 00
INFNT	4.2E-07	1.5E-08	3.7E-06	5.1E-06	1.3E-06	2.6E-07	5.5E-07	0.0E 00
INHAL PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	2.1E-07	1.5E-08	1.7E-07	2.7E-07	9.8E-08	2.4E-07	2.0E-07	0.0E 00
TEEN	1.6E-07	1.4E-08	2.4E-07	3.7E-07	1.3E-07	3.2E-07	2.9E-07	0.0E 00
CHILD	6.5E-08	5.5E-09	3.1E-07	3.5E-07	1.2E-07	4.1E-07	2.4E-07	0.0E 00
INFNT	2.3E-08	1.9E-09	1.9E-07	2.5E-07	7.1E-08	3.8E-07	1.6E-07	0.0E 00

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATIO
INDIVIDUAL DO REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 1 1 1 THRU 83 33184

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	2.0E-08	2.0E-08	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.1E-06	5.6E-06
TEEN	2.0E-08	2.0E-06	2.0E-06	2.0E-08	2.0E-06	2.0E-06	2.1E-06	5.6E-08
CHILD	2.0E-06	2.0E-08	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.1E-06	5.6E-08
INFNT	2.0E-08	2.0E-08	2.0E-06	2.0E-06	2.0E-08	2.0E-06	2.1E-08	5.6E-08
GROUND PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3am45
TEEN	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05
CHILD	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05
INFNT	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05
VEGET PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	7.7E-06	4.5E-07	6.4E-06	1.1E-05	3.6E-06	2.8E-07	1.8E-06	0.0E 00
TEEN	6.4E-06	4.8E-07	1.0E-05	1.6E-05	5.4E-08	2.3E-07	2.1E-06	0.0E 00
CHILD	4.7E-06	3.2E-07	2.3E-05	8.7E-05	8.5E-06	3.6E-07	3.1E-06	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NE								
ADULT	2.7E-08	4.0E-09	2.2E-08	3.7E-08	1.2E-08	8.6E-10	4.1E-09	0.0E 00
TEEN	1.2E-08	2.1E-09	1.8E-08	2.9E-08	9.7E-09	6.2E-10	3.7E-09	0.0E 00
CHILD	7.0E-09	1.1E-09	3.3E-08	3.8E-08	1.2E-08	9.4E-10	4.3E-09	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE								
ADULT	2.1E-07	6.2E-09	1.7E-07	2.9E-07	9.7E-08	2.6E-08	3.2E-08	0.0E 00
TEEN	2.0E-07	7.8E-09	3.1E-07	5.1E-07	1.7E-07	4.1E-08	6.5E-08	0.0E 00
CHILD	1.5E-07	5.7E-09	7.4E-07	8.6E-07	2.7E-07	8.4E-08	9.8E-08	0.0E 00
INFNT	1.4E-07	5.4E-09	1.2E-06	1.6E-06	4.3E-07	2.0E-07	1.7E-07	0.0E 00
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE								
ADULT	6.4E-07	1.6E-08	5.2E-07	8.8E-07	2.9E-07	3.1E-08	9.7E-08	0.0E 00
TEEN	6.1E-07	2.1E-08	9.3E-07	1.5E-06	5.0E-07	5.0E-08	1.9E-07	0.0E 00
CHILD	4.4E-07	1.6E-08	2.2E-06	2.6E-06	8.2E-07	1.0E-07	2.9E-07	0.0E 00
INFNT	4.0E-07	1.5E-08	3.6E-06	4.9E-06	1.3E-06	2.5E-07	5.2E-07	0.0E 00
INHAL PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	1.1E-07	7.8E-09	8.9E-08	1.4E-07	5.1E-08	1.2E-07	1.0E-07	0.0E 00
TEEN	8.1E-08	7.3E-09	1.2E-07	1.9E-07	6.8E-08	1.7E-07	1.5E-07	0.0E 00
CHILD	3.4E-08	2.9E-09	1.6E-07	1.8E-07	6.2E-08	2.1E-07	1.2E-07	0.0E 00
INFNT	1.2E-08	9.8E-10	9.9E-08	1.3E-07	3.7E-08	2.0E-07	8.1E-08	0.0E 00

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 1 1:1 THRU 83 33184

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.9E-07	2.1E-08
TEEN	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.9E-07	2.1E-08
CHILD	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.9E-07	2.1E-08
INFNT	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.9E-07	2.1E-08
GROUND PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	6.0E-08
TEEN	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	6.0E-08
CHILD	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	6.0E-08
INFNT	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	5.1E-06	6.0E-08
VEGET PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	3.6E-06	2.1E-07	3.0E-06	4.9E-08	1.6E-06	1.3E-07	5.4E-07	0.0E 00
TEEN	3.0E-06	2.8E-07	4.7E-06	7.5E-06	2.5E-06	1.1E-07	9.6E-07	0.0E 00
CHILD	2.2E-06	1.5E-07	1.1E-05	1.2E-05	4.0E-06	1.7E-07	1.4E-06	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 3862. METERS, WINDS TOWARD ENE								
ADULT	1.1E-07	1.7E-08	9.3E-08	1.6E-07	5.2E-08	3.7E-09	1.7E-08	0.0E 00
TEEN	5.1E-08	9.1E-09	7.6E-08	1.3E-07	4.1E-08	2.6E-09	1.6E-08	0.0E 00
CHILD	3.0E-08	4.7E-09	1.4E-07	1.6E-07	5.1E-08	4.0E-09	1.8E-08	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ENE								
ADULT	2.5E-07	7.4E-09	2.1E-07	3.5E-07	1.2E-07	3.1E-08	3.9E-08	0.0E 00
TEEN	2.4E-07	9.3E-09	3.7E-07	6.1E-07	2.0E-07	4.9E-08	7.8E-08	0.0E 00
CHILD	1.8E-07	6.7E-09	8.9E-07	1.0E-06	3.3E-07	1.0E-07	1.2E-07	0.0E 00
INFNT	1.6E-07	6.4E-09	1.4E-06	1.9E-06	5.1E-07	2.4E-07	2.1E-07	0.0E 00
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ENE								
ADULT	7.6E-07	2.0E-08	6.2E-07	1.0E-06	3.5E-07	3.7E-08	1.2E-07	0.0E 00
TEEN	7.3E-07	2.5E-08	1.1E-06	1.8E-06	6.0E-07	5.9E-08	2.3E-07	0.0E 00
CHILD	5.3E-07	1.8E-08	2.7E-08	3.1E-06	9.8E-07	1.2E-07	3.5E-07	0.0E 00
INFNT	4.8E-07	1.7E-08	4.3E-06	5.8E-06	1.5E-06	2.9E-07	6.3E-07	0.0E 00
INHAL PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	3.9E-08	2.8E-09	3.2E-08	5.2E-08	1.8E-08	4.5E-08	3.7E-08	0.0E 00
TEEN	2.9E-08	2.7E-09	4.4E-08	7.0E-08	2.5E-08	6.0E-08	5.4E-08	0.0E 00
CHILD	1.2E-08	1.0E-09	5.9E-08	6.5E-08	2.2E-08	7.7E-08	4.4E-08	0.0E 00
INFNT	4.2E-09	3.5E-10	3.6E-08	4.7E-08	1.3E-08	7.1E-08	2.9E-08	0.0E 00

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THIS IS TOTAL ACCUMULATIO[illegible]
INDIVIDUAL DO[illegible]EM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 1 1 1 THRU 83 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.1E-06	3.0E-06
TEEN	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.1E-06	3.0E-06
CHILD	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.1E-06	3.0E-06
INFNT	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.1E-06	3.0E-06
GROUND PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	8.7E-06
TEEN	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	8.7E-06
CHILD	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	8.7E-06
INFNT	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	8.7E-06
VEGET PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	5.2E-06	3.1E-07	4.3E-06	7.2E-06	2.4E-06	4.7E-07	7.9E-07	2.6E-11
TEEN	4.4E-06	3.2E-07	6.8E-06	1.1E-05	3.6E-06	3.9E-07	1.4E-06	2.9E-11
CHILD	3.2E-06	2.2E-07	1.6E-05	1.8E-05	5.8E-06	6.1E-07	2.1E-06	4.5E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E								
ADULT	5.1E-08	7.5E-09	4.1E-08	7.0E-08	2.3E-08	5.0E-09	7.7E-09	4.0E-13
TEEN	2.3E-08	4.0E-09	3.4E-08	5.6E-08	1.8E-08	3.6E-09	7.1E-09	8.4E-13
CHILD	1.3E-08	2.1E-09	6.2E-08	7.1E-08	2.3E-08	5.4E-09	8.2E-09	2.9E-13
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	3.2E-07	9.4E-09	2.6E-07	4.4E-07	1.5E-07	1.1E-07	4.9E-08	7.2E-13
TEEN	3.1E-07	1.2E-08	4.7E-07	7.7E-07	2.6E-07	1.7E-07	9.8E-08	9.4E-13
CHILD	2.3E-07	8.6E-09	1.1E-06	1.3E-06	4.2E-07	3.4E-07	1.5E-07	1.5E-12
INFNT	2.1E-07	8.2E-09	1.8E-06	2.5E-06	6.5E-07	8.3E-07	2.6E-07	2.3E-12
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	9.6E-07	2.5E-08	7.9E-07	1.3E-06	4.4E-07	1.3E-07	1.5E-07	1.5E-12
TEEN	9.2E-07	3.1E-08	1.4E-06	2.3E-06	7.7E-07	2.1E-07	2.9E-07	1.9E-12
CHILD	6.7E-07	2.3E-08	3.4E-06	3.9E-06	1.2E-06	4.1E-07	4.5E-07	3.0E-12
INFNT	6.1E-07	2.2E-08	5.4E-06	7.4E-06	2.0E-06	1.0E-06	7.9E-07	4.6E-12
INHAL PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	5.4E-08	3.9E-09	4.4E-08	7.1E-08	2.5E-08	7.9E-08	5.0E-08	1.4E-11
TEEN	4.0E-08	3.7E-09	8.1E-08	9.5E-08	3.4E-08	1.0E-07	7.4E-08	1.4E-11
CHILD	1.7E-08	1.4E-09	8.1E-08	9.0E-08	3.1E-08	1.3E-07	6.1E-08	1.3E-11
INFNT	5.9E-09	4.9E-10	4.9E-08	6.5E-08	1.8E-08	1.2E-07	4.0E-08	7.3E-12

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 1 1 1 THRU 83 33184

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.9E-07	1.6E-08
TEEN	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.9E-07	1.6E-08
CHILD	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.9E-07	1.6E-08
INFNT	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.6E-07	5.9E-07	1.6E-08
GROUND PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	4.5E-06	4.5E-08	4.5E-06	4.5E-08	4.5E-06	4.5E-06	4.5E-06	5.2E-06
TEEN	4.5E-06	4.5E-08	4.5E-06	4.5E-08	4.5E-06	4.5E-06	4.5E-06	5.2E-08
CHILD	4.5E-06	4.5E-08	4.5E-06	4.5E-08	4.5E-06	4.5E-06	4.5E-06	5.2E-06
INFNT	4.5E-06	4.5E-08	4.5E-06	4.5E-08	4.5E-06	4.5E-08	4.5E-06	5.2E-08
VEGET PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	3.1E-06	1.8E-07	2.6E-06	4.3E-08	1.4E-06	1.1E-07	4.7E-07	0.0E 00
TEEN	2.6E-06	1.9E-07	4.0E-06	6.5E-08	2.2E-06	9.3E-08	8.3E-07	0.0E 00
CHILD	1.9E-06	1.3E-07	9.4E-06	1.1E-05	3.4E-06	1.5E-07	1.2E-06	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE								
ADULT	1.6E-07	2.4E-08	1.3E-07	2.2E-07	7.4E-08	5.2E-09	2.5E-08	0.0E 00
TEEN	7.3E-08	1.3E-08	1.1E-07	1.8E-07	5.9E-08	3.8E-09	2.3E-08	0.0E 00
CHILD	4.2E-08	6.7E-09	2.0E-07	2.3E-07	7.3E-08	5.7E-09	2.6E-08	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE								
ADULT	1.8E-07	5.2E-09	1.5E-07	2.4E-07	8.1E-08	2.2E-08	2.7E-08	0.0E 00
TEEN	1.7E-07	6.5E-09	2.6E-07	4.2E-07	1.4E-07	3.5E-08	5.4E-08	0.0E 00
CHILD	1.2E-07	4.7E-09	6.2E-07	7.1E-07	2.3E-07	7.0E-08	8.2E-08	0.0E 00
INFNT	1.1E-07	4.5E-09	9.9E-07	1.4E-08	3.6E-07	1.7E-07	1.5E-07	0.0E 00
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE								
ADULT	5.3E-07	1.4E-08	4.4E-07	7.3E-07	2.4E-07	2.6E-08	8.1E-08	0.0E 00
TEEN	5.1E-07	1.7E-08	7.8E-07	1.3E-06	4.2E-07	4.1E-08	1.6E-07	0.0E 00
CHILD	3.7E-07	1.3E-08	1.9E-06	2.1E-06	6.8E-07	8.4E-08	2.5E-07	0.0E 00
INFNT	3.4E-07	1.2E-08	3.0E-08	4.1E-08	1.1E-06	2.0E-07	4.4E-07	0.0E 00
INHAL PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	3.0E-08	2.1E-09	2.4E-08	3.9E-08	1.4E-08	3.4E-08	2.7E-08	0.0E 00
TEEN	2.2E-08	2.0E-09	3.3E-08	5.2E-08	1.8E-08	4.5E-08	4.1E-08	0.0E 00
CHILD	9.1E-09	7.7E-10	4.4E-08	4.9E-08	1.7E-08	5.8E-08	3.3E-08	0.0E 00
INFNT	3.2E-09	2.8E-10	2.7E-08	3.5E-08	1.0E-08	5.3E-08	2.2E-08	0.0E 00

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THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(RE UE TO GASEOUS EFFLUENT
FOR DATES 83 1 THRU 83 33184

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN

PLUME PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE

ADULT	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.3E-06
TEEN	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.3E-06
CHILD	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.3E-06
INFNT	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.3E-06

GROUND PATHWAY, DIST GP= 1, 914, METERS, WINDS TOWARD SE

ADULT	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	2.0E-05
TEEN	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	2.0E-05
CHILD	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	2.0E-05
INFNT	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	2.0E-05

VEGET PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE

ADULT	1.2E-05	7.0E-07	9.8E-06	1.6E-05	6.4E-06	4.2E-07	1.8E-06	0.0E 00
TEEN	9.9E-06	7.3E-07	1.5E-05	2.5E-05	8.2E-06	3.5E-07	3.2E-06	0.0E 00
CHILD	7.2E-06	5.0E-07	3.6E-05	4.1E-05	1.3E-05	5.6E-07	4.7E-06	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00

MEAT PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE

ADULT	9.4E-08	1.4E-08	7.6E-08	1.3E-07	4.2E-08	3.0E-09	1.4E-08	0.0E 00
TEEN	4.2E-08	7.4E-09	6.2E-08	1.0E-07	3.4E-08	8.2E-09	1.3E-08	0.0E 00
CHILD	2.4E-08	3.8E-09	1.1E-07	1.3E-07	4.2E-08	3.3E-09	1.5E-08	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00

COW PATHWAY, DIST GP= 1, 6840. METERS, WINDS TOWARD SE

ADULT	3.4E-07	9.9E-09	2.8E-07	4.7E-07	1.6E-07	4.2E-08	5.2E-08	0.0E 00
TEEN	3.3E-07	1.2E-08	5.0E-07	8.2E-07	2.7E-07	6.6E-08	1.0E-07	0.0E 00
CHILD	2.4E-07	9.1E-09	1.2E-06	1.4E-06	4.4E-07	1.4E-07	1.6E-07	0.0E 00
INFNT	2.2E-07	8.6E-09	1.9E-06	2.6E-06	6.9E-07	3.3E-07	2.8E-07	0.0E 00

GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SE

ADULT	7.7E-07	2.0E-08	6.3E-07	1.1E-06	3.5E-07	3.8E-08	1.2E-07	0.0E 00
TEEN	7.4E-07	2.5E-08	1.1E-06	1.9E-06	6.1E-07	6.0E-08	2.4E-07	0.0E 00
CHILD	5.4E-07	1.9E-08	2.7E-06	3.1E-06	9.9E-07	1.2E-07	3.6E-07	0.0E 00
INFNT	4.9E-07	1.8E-08	4.3E-06	5.9E-06	1.6E-06	3.0E-07	6.4E-07	0.0E 00

INHAL PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE

ADULT	8.4E-08	6.0E-09	6.8E-08	1.1E-07	3.9E-08	9.6E-08	7.8E-08	0.0E 00
TEEN	6.2E-08	5.6E-09	9.4E-08	1.5E-07	5.2E-08	1.3E-07	1.1E-07	0.0E 00
CHILD	2.6E-08	2.2E-09	1.3E-07	1.4E-07	4.8E-08	1.6E-07	9.4E-08	0.0E 00
INFNT	9.0E-09	7.5E-10	7.6E-08	1.0E-07	2.8E-08	1.5E-07	8.2E-08	0.0E 00

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 1 1 1 THRU 83 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,	1093. METERS, WINDS TOWARD SSE					
ADULT	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.7E-07	2.6E-06
TEEN	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.7E-07	2.6E-06
CHILD	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.7E-07	2.6E-06
INFNT	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.3E-07	9.7E-07	2.6E-06
GROUND	PATHWAY,	DIST GP= 1,	1093. METERS, WINDS TOWARD SSE					
ADULT	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	1.1E-05
TEEN	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	1.1E-05
CHILD	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	1.1E-05
INFNT	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	9.6E-06	1.1E-05
VEGET	PATHWAY,	DIST GP= 1,	1093. METERS, WINDS TOWARD SSE					
[illegible]			9.2E-06	3.0E-06	2.4E-07	1.0E-08	0.0E 00	
TEEN	5.6E-06	4.1E-07	8.7E-06	1.4E-05	4.6E-06	2.0E-07	1.8E-06	0.0E 00
CHILD	4.0E-06	2.8E-07	2.0E-05	2.3E-05	7.4E-06	3.1E-07	3.7E-06	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT	PATHWAY,	DIST GP= 1,	7425. METERS, WINDS TOWARD SSE					
ADULT	2.7E-08	3.9E-09	2.2E-08	3.6E-08	1.2E-08	8.5E-10	4.0E-09	0.0E 00
TEEN	1.2E-08	2.1E-09	1.8E-08	2.9E-08	9.6E-09	6.2E-10	3.7E-09	0.0E 00
CHILD	6.9E-09	1.1E-09	3.2E-08	3.7E-08	1.2E-08	9.3E-10	4.3E-09	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW	PATHWAY,	DIST GP= 1,	6840. METERS, WINDS TOWARD SSE					
ADULT	2.6E-07	7.6E-09	2.1E-07	3.6E-07	1.2E-07	3.2E-08	3.9E-08	0.0E 00
TEEN	2.5E-07	9.5E-09	3.8E-07	6.2E-07	2.1E-07	5.1E-08	7.9E-08	0.0E 00
CHILD	1.8E-07	6.9E-09	9.1E-07	1.0E-06	3.3E-07	1.0E-07	1.2E-07	0.0E 00
INFNT	1.7E-07	6.5E-09	1.4E-06	2.0E-06	5.3E-07	2.5E-07	2.1E-07	0.0E 00
GOAT	PATHWAY,	DIST GP= 1,	8045. METERS, WINDS TOWARD SSE					
ADULT	5.9E-07	1.5E-08	4.8E-07	8.1E-07	8.7E-07	2.9E-08	8.9E-08	0.0E 00
TEEN	5.6E-07	1.9E-08	8.6E-07	1.4E-06	4.7E-07	4.6E-08	1.8E-07	0.0E 00
CHILD	4.1E-07	1.4E-08	2.1E-06	2.4E-06	7.6E-07	9.3E-08	2.7E-07	0.0E 00
INFNT	3.7E-07	1.3E-08	3.3E-06	4.6E-06	1.2E-06	2.3E-07	4.8E-07	0.0E 00
INHAL	PATHWAY,	DIST GP= 1,	1093. METERS, WINDS TOWARD SSE					
ADULT	5.0E-08	3.6E-09	4.1E-08	6.6E-08	2.3E-08	5.7E-08	4.7E-08	0.0E 00
TEEN	3.7E-08	3.4E-09	5.6E-08	8.8E-08	3.1E-08	7.7E-08	6.9E-08	0.0E 00
CHILD	1.5E-08	1.3E-09	7.5E-08	8.3E-08	2.9E-08	9.8E-08	5.6E-08	0.0E 00
INFNT	5.4E-09	4.5E-10	4.6E-08	8.0E-08	1.7E-08	9.1E-08	3.7E-08	0.0E 00

ENTER ECI TO CONTINUE

THIS IS TOTAL ACCUMULAT
INDIVIDUAL (REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 1 1 1 THRU 83 33184

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.2E-06
TEEN	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.2E-06
CHILD	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.2E-06
INFNT	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.2E-06
GROUND PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	1.0E-05
TEEN	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	1.0E-05
CHILD	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	1.0E-05
INFNT	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	8.8E-06	1.0E-05
VEGET PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	6.1E-06	3.6E-07	5.1E-08	8.4E-06	2.8E-06	2.8E-07	9.3E-07	0.0E 00
TEEN	5.1E-06	3.8E-07	8.0E-08	1.3E-05	4.3E-06	1.8E-07	1.6E-06	0.0E 00
CHILD	3.7E-06	2.6E-07	1.9E-05	2.1E-05	6.8E-06	2.9E-07	2.4E-06	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT pPTHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S								
ADULT	2.3E-08	3.4E-09	1.9E-08	3.2E-08	1.1E-08	7.5E-10	3.5E-09	0.0E 00
TEEN	1.0E-08	1.8E-09	1.6E-08	2.6E-08	8.4E-09	6.4E-10	3.2E-09	0.0E 00
CHILD	6.0E-09	9.5E-10	2.8E-08	3.3E-08	1.0E-08	8.2E-10	3.7E-09	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	1.2E-07	3.5E-09	1.0E-07	1.7E-07	5.6E-08	1.5E-08	1.8E-08	0.0E 00
TEEN	1.2E-07	4.4E-09	1.8E-07	2.9E-07	9.6E-08	2.4E-08	3.7E-08	0.0E 00
CHILD	8.5E-08	3.2E-09	4.2E-07	4.9E-07	1.6E-07	4.8E-08	5.6E-08	0.0E 00
INFNT	7.7E-08	3.1E-09	6.8E-07	9.3E-07	2.5E-07	1.2E-07	1.0E-07	0.0E 00
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	3.6E-07	9.4E-09	3.0E-07	5.0E-07	1.7E-07	1.8E-08	5.5E-08	0.0E 00
TEEN	3.5E-07	1.2E-08	5.4E-07	8.8E-07	2.9E-07	3.8E-08	1.1E-07	0.0E 00
CHILD	2.5E-07	8.8E-09	1.3E-06	1.5E-06	4.7E-07	5.8E-08	1.7E-07	0.0E 00
INFNT	2.3E-07	8.3E-09	2.0E-06	2.8E-06	7.4E-07	1.4E-07	3.0E-07	0.0E 00
INHAL PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	8.3E-08	6.0E-09	6.7E-08	1.1E-07	3.9E-08	9.5E-08	7.7E-08	0.0E 00
TEEN	6.1E-08	5.6E-09	9.3E-08	1.5E-07	6.2E-08	1.3E-07	1.1E-07	0.0E 00
CHILD	8.6E-08	2.2E-09	1.2E-07	1.4E-07	4.7E-08	1.6E-07	9.3E-08	0.0E 00
INFNT	8.9E-09	7.4E-10	7.5E-08	9.9E-08	8.8E-08	1.5E-07	6.1E-08	0.0E 00

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 1 1 1 THRU 83 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.6E-06	6.8E-08
TEEN	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.6E-06	6.8E-08
CHILD	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.6E-06	6.8E-08
INFNT	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.6E-06	6.8E-08
GROUND PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	3.1E-05
TEEN	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	3.1E-05
CHILD	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	3.1E-05
INFNT	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	8.7E-05	3.1E-05
VEGET PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.9E-05	1.1E-06	1.5E-05	2.6E-05	8.5E-06	6.6E-07	2.8E-06	0.0E 00
TEEN	1.6E-05	1.2E-06	2.4E-05	3.9E-05	1.3E-05	5.6E-07	5.0E-06	0.0E 00
CHILD	1.1E-05	7.8E-07	5.6E-05	6.5E-05	2.1E-05	8.8E-07	7.4E-06	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	3.6E-08	5.3E-09	8.9E-08	4.9E-08	1.6E-08	1.2E-09	5.4E-09	0.0E 00
TEEN	1.6E-08	2.9E-09	8.4E-08	4.0E-08	1.3E-08	8.4E-10	5.0E-09	0.0E 00
CHILD	9.4E-09	1.5E-09	4.4E-08	5.1E-08	1.6E-08	1.3E-09	5.8E-09	0.0E 00
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	3.0E-07	8.9E-09	8.5E-07	4.2E-07	1.4E-07	3.7E-08	4.6E-08	0.0E 00
TEEN	2.9E-07	1.1E-08	4.5E-07	7.3E-07	2.4E-07	5.9E-08	9.3E-08	0.0E 00
CHILD	2.1E-07	8.1E-09	1.1E-06	1.2E-06	3.9E-07	1.2E-07	1.4E-07	0.0E 00
INFNT	1.9E-07	7.7E-09	1.7E-06	2.3E-06	8.2E-07	8.9E-07	2.5E-07	0.0E 00
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	9.1E-07	2.4E-08	7.5E-07	1.3E-06	4.2E-07	4.5E-08	1.4E-07	0.0E 00
TEEN	8.7E-07	3.0E-08	1.3E-06	2.2E-06	7.3E-07	7.1E-08	2.8E-07	0.0E 00
CHILD	6.4E-07	2.2E-08	3.2E-06	3.7E-06	1.2E-06	1.4E-07	4.2E-07	0.0E 00
INFNT	5.8E-07	2.1E-08	5.1E-06	7.0E-06	1.8E-06	3.5E-07	7.5E-07	0.0E 00
INHAL PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.3E-07	9.7E-09	1.1E-07	1.8E-07	6.3E-08	1.5E-07	1.3E-07	0.0E 00
TEEN	1.0E-07	9.1E-09	1.5E-07	2.4E-07	8.1E-08	2.1E-07	1.8E-07	0.0E 00
CHILD	4.2E-08	3.6E-09	2.0E-07	2.2E-07	7.7E-08	2.6E-07	1.5E-07	0.0E 00
INFNT	1.5E-08	1.8E-09	1.2E-07	1.6E-07	4.6E-08	2.4E-07	1.0E-07	0.0E 00

ENTER [C] TO CONTINUE

A-3 SUMMARY OF MAXIMUM INDIVIDUAL DOSES FOR SECOND QUARTER OF 1983

2nd Quarter - 1983

SUMMARY OF MAXIMUM INDIVIDUAL DOSES

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	Quarterly LIMIT (MREM)
Liquid	Total Body	9.15E-2	Adult	Receptor 1	6.10	1.5
Liquid	Liver	1.27E-1	Teen	Receptor 1	2.54	5.0
Noble Gas	Air Dose (Gamma-mrad)	4.67E-3	All	629 SSW	0.09	5.0
Noble Gas	Air Dose (Beta-mrad)	1.37E-2	All	594 S	0.14	10.0
Noble Gas	Total Body	1.92E-3	All	770 SSW	0.04	Yearly 5.0
Noble Gas	Skin	5.15E-3	All	863 S	0.03	Yearly 15.0
Iodines and Particulates	Thyroid	2.39E-2	Child	814 NNE	0.32	7.5

FOR RECEPT[illegible]NBER 1

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 83 4 1 1 END DATE 83 63024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	4.8E-07	6.5E-06	6.3E-06	7.4E-06	6.0E-08	5.8E-06	6.3E-06	0.0E 00
TEEN	4.7E-07	4.8E-06	4.4E-06	5.5E-06	4.3E-08	4.1E-06	4.4E-06	0.0E 00
CHILD	1.3E-06	9.3E-06	8.1E-06	1.1E-05	8.2E-08	7.9E-06	8.0E-06	0.0E 00
INFANT	1.1E-08	9.5E-06	7.8E-06	1.3E-05	8.1E-08	7.8E-08	7.7E-06	0.0E 00
SHORE								
ADULT	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.2E-07
TEEN	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	6.9E-07
CHILD	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.4E-07
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
FW SPT FISH								
ADULT	7.1E-05	1.2E-04	8.5E-05	8.1E-06	3.9E-05	1.3E-05	1.7E-05	0.0E 00
TEEN	7.5E-05	1.2E-04	4.8E-05	1.9E-06	4.0E-05	1.6E-05	1.2E-05	0.0E 00
CHILD	9.3E-05	1.1E-04	1.9E-05	8.0E-06	3.1E)01	1.2E-05	4.5E-06	0.0E 00
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00

TYPE [C] TO CONTINUE

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 83 4 1 1 END DATE 83 63084

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
TOTAL								
ADULT	7.1E-05	1.2E-04	9.1E-05	9.8E-06	4.6E-05	1.9E-05	2.3E-05	1.2E-07
TEEN	7.6E-05	1.3E-04	5.3E-05	8.0E-06	4.5E-05	2.0E-05	1.7E-05	6.9E-07
CHILD	9.5E-05	1.2E-04	2.7E-05	1.3E-05	4.3E-05	2.0E-05	1.3E-05	1.4E-07
INFANT	1.1E-08	9.6E-06	7.8E-08	1.3E-05	8.1E-06	7.8E-08	7.7E-08	0.0E 00

RECEPTOR NUMBER - TYPE (1-5)

```
DOSE TYPE
ENTER: [GA]     GAMMA
       [BE]     BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
GA
 DATES OF LAST AIR DOSE ACCUMULATION ARE FROM83 4 1 1 TO 83 63024
 DOSE ACCUMULATION FOR GAMMA
 FOR RELEASE POINT   1
 **DIRECTION FROM  N
  1.7705E-06    8.0734E-07    9.5391E-08    5.5757E-08    3.9197E-08
  1.9805E-08    7.7436E-09    3.9048E-09    2.5256E-09    1.5950E-09
 **DIRECTION FROM NNE
  3.8062E-06    4.8969E-07    2.5196E-07    1.5906E-07    1.1273E-07
  5.6859E-08    2.3271E-08    1.1950E-08    7.8114E-09    4.9841E-09
 **DIRECTION FROM NE
  6.3469E-07    7.3544E-08    3.2335E-08    1.8317E-08    1.2350E-08
  5.6544E-09    1.9182E-09    8.7435E-10    5.2516E-10    2.9857E-10
 **DIRECTION FROM ENE
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM  E
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM ESE
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM SE
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM SSE
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM  S
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM SSW
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM SW
  9.9434E-09    1.2989E-09    5.7995E-10    3.3148E-10    2.2970E-10
  1.1273E-10    4.1871E-11    2.0172E-11    1.2648E-11    7.6973E-12
 **DIRECTION FROM WSW
  1.4064E-07    1.8103E-08    8.1842E-09    4.7009E-09    3.2740E-09
  1.6249E-09    6.1368E-10    2.9951E-10    1.8952E-10    1.1672E-10
 **DIRECTION FROM  W
  1.1733E-06    1.3766E-07    7.2144E-08    4.6022E-08    3.3066E-08
  1.7119E-08    7.1201E-09    3.6279E-09    2.3526E-09    1.5185E-09
 **DIRECTION FROM WNW
  2.4665E-08    2.6885E-09    1.2011E-09    6.9096E-10    4.7103E-10
  2.2114E-10    7.8788E-11    3.7617E-11    2.3398E-11    1.3964E-11
 **DIRECTION FROM NW
  1.0281E-06    1.4095E-07    6.3924E-08    3.6676E-08    2.5706E-08
  1.2960E-08    4.9673E-09    2.4352E-09    1.5463E-09    9.5890E-10
 **DIRECTION FROM NNW
  2.2776E-07    2.6233E-08    1.1544E-08    6.5465E-09    4.4161E-09
  2.0238E-09    8.8835E-10    3.1471E-10    1.8947E-10    1.0807E-10
  DISTANCES USED IN CALCULATIONS
    594.0  2416.0  4020.0  5630.0  7240.0
  12067.0 24135.0 40226.0 56315.0 80500.0
 ENTER: [RETURN] WHEN READY TO CONTINUE
```

```
FOR RELEASE POINT   2
**DIRECTION FROM  N
 5.8776E-07    6.1635E-08    2.7883E-08    1.6126E-08    1.1162E-08
 5.4457E-09    2.0355E-09    9.9575E-10    6.3120E-10    3.8824E-10
**DIRECTION FROM NNE
 9.3992E-07    1.1294E-07    5.8087E-08    3.0538E-08    2.1198E-08
 1.0376E-08    3.9291E-09    1.9335E-09    1.2307E-09    7.6085E-10
**DIRECTION FROM NE
 8.6360E-07    1.0504E-07    5.1272E-08    3.1202E-08    2.2135E-08
 1.1272E-08    4.5080E-09    2.2543E-09    1.4458E-09    9.1728E-10
**DIRECTION FROM ENE
 7.4873E-07    8.8402E-08    4.3741E+Pg    2.6888E-08    1.9122E-08
 9.7675E-09    3.9370E-09    1.9758E-09    1.2703E-09    8.1075E-10
**DIRECTION FROM  E
 8.8357E-07    1.0614E-07    5.1856E-08    3.1580E-08    2.2417E-08
 1.1426E-08    4.5708E-09    2.2838E-09    1.4634E-09    9.2913E-10
**DIRECTION FROM ESE
 1.5418E-06    1.8086E-07    8.7956E-08    5.3456E-08    3.7875E-08
 1.9234E-08    7.6665E-09    3.8160E-09    2.4420E-09    1.5496E-09
**DIRECTION FROM SE
 2.4697E-06    2.9089E-07    1.4540E-07    9.0027E-08    6.4229E-08
 3.2979E-08    1.3402E-08    6.7498E-09    4.3474E-09    2.7824E-09
**DIRECTION FROM SSE
 1.2509E-06    1.4007E-07    7.1072E-08    4.4400E-08    3.1996E-08
 1.6748E-08    6.9164E-09    3.4884E-09    2.2458E-09    1.4520E-09
**DIRECTION FROM  S
 1.2731E-06    1.4436E-07    7.3559E-08    4.6064E-08    3.3287E-08
 1.7425E-08    7.2245E-09    3.6574E-09    2.3605E-09    1.5272E-09
**DIRECTION FROM SSW
 1.2831E-06    1.4682E-07    7.4239E-08    4.6270E-08    3.3239E-08
 1.7294E-08    7.1101E-09    3.5873E-09    2.3108E-09    1.4890E-09
**DIRECTION FROM SW
 7.1190E-07    8.9907E-08    4.1133E-08    2.3881E-08    1.6700E-08
 8.3539E-09    3.2130E-09    1.5899E-09    1.0178E-09    6.3694E-10
**DIRECTION FROM WSW
 1.3168E-06    1.7173E-07    7.8472E-08    4.5433E-08    3.1787E-08
 1.5918E-08    6.1040E-09    3.0028E-09    1.9112E-09    1.1874E-09
**DIRECTION FROM  W
 7.8356E-07    9.3668E-08    4.3024E-08    2.5140E-08    1.7483E-08
 8.6053E-09    3.2712E-09    1.6145E-09    1.0302E-09    6.3978E-10
**DIRECTION FROM WNW
 7.1119E-07    7.9166E-08    3.6277E-08    2.1220E-08    1.4820E-08
 7.3704E-09    2.8346E-09    1.4134E-09    9.0824E-10    5.7110E-10
**DIRECTION FROM NW
 3.8943E-07    4.4024E-08    2.0789E-08    1.2405E-08    8.7375E-09
 4.4027E-09    1.7304E-09    8.6762E-10    5.5800E-10    3.5289E-10
**DIRECTION FROM NNW
 3.6287E-07    3.7900E-08    1.8064E-08    1.0892E-08    7.7747E-09
 4.0361E-09    1.6482E-09    8.5073E-10    5.5823E-10    3.6171E-10
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4020.0  5630.0  7240.0
 12067.0 24135.0 40225.0 56315.0 80500.0
ENTER: [RETURN] WHEN READY TO CONTINUE
```

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DOSE TYPE
ENTER: [GA]     GAMMA
       [BE]     BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
BE
 DATES OF LAST AIR DOSE ACCUMULATION ARE FROM83 4 1 1 TO 83 63024
 DOSE ACCUMULATION FOR BETA
 FOR RELEASE POINT   1
 **DIRECTION FROM  N
  1.3358E-05    1.5584E-06    7.1858E-07    4.2074E-07    8.9625E-07
  1.5020E-07    6.9013E-08    2.9860E-08    1.9356E-08    1.2259E-08
 **DIRECTION FROM NNE
  1.0616E-05    1.3658E-06    7.0274E-07    4.4364E-07    3.1443E-07
  1.5859E-07    6.4907E-08    3.3331E-08    2.1787E-08    1.3901E-08
 **DIRECTION FROM NE
  4.7025E-06    5.4806E-07    2.4019E-07    1.3609E-07    9.1809E-08
  4.2097E-08    1.4312E-08    6.5386E-09    3.9281E-09    2.2376E-09
 **DIRECTION FROM ENE
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM  E
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM ESE
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM SE
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM SSE
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM  S
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM SSW
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM SW
  1.1002E-06    1.4282E-07    6.4167E-08    3.6676E-08    2.5415E-08
  1.2473E-08    4.6327E-09    2.2319E-09    1.3994E-09    8.5166E-10
 **DIRECTION FROM WSW
  6.5412E-06    ac4192E-07    3.3170E-07    1.9043E-07    1.3027E-07
  6.1754E-08    2.2193E-08    1.0605E-08    6.6033E-09    3.9553E-09
 **DIRECTION FROM  W
  3.8104E-06    4.2637E-07    2.2228E-07    1.4130E-07    1.0146E-07
  5.2500E-08    2.1790E-08    1.1092E-08    7.1899E-09    4.6365E-09
 **DIRECTION FROM WNW
  1.3530E-06    1.4665E-07    6.5616E-08    3.7804E-08    2.5798E-08
  1.2141E-08    4.3446E-09    2.0825E-09    1.2991E-09    7.7819E-10
 **DIRECTION FROM NW
  7.3433E-08    1.0194E-06    4.6328E-07    2.6602E-07    1.8691E-07
  9.4768E-08    3.6556E-08    1.7984E-08    1.144BE-08    7.1242E-09
 **DIRECTION FROM NNW
  7.9479E-07    8.5456E-08    3.8324E-08    2.2128E-08    1.5123E-08
  7.1411E-09    2.5715E-09    1.2393E-09    7.7617E-10    4.6739E-10
  DISTANCES USED IN CALCULATIONS
    594.0  2416.0  4020.0  5630.0  7240.0
  12067.0 24135.0 40225.0 56315.0 80500.0
 ENTER: [RETURN] WHEN READY TO CONTINUE
```

```
FOR RELEASE POINT   2
**DIRECTION FROM  N
 3.2460E-07    3.7938E-08    1.7157E-08    9.9197E-09    6.8655E-09
 3.3493E-09    1.2615E-09    6.1803E-10    3.8789E-10    2.3854E-10
**DIRECTION FROM NNE
 5.9066E-07    7.1064E-08    3.2762E-08    1.9201E-08    1.3327E-08
 6.5212E-09    2.4681E-09    1.2139E-09    7.7239E-10    4.7734E-10
**DIRECTION FROM NE
 5.2649E-07    6.4136E-08    3.1250E-08    1.8994E-08    1.3488E-08
 6.8537E-09    2.7373E-09    1.3880E-09    8.7709E-10    6.5610E-10
**DIRECTION FROM ENE
 4.6181E-07    5.4780E-08    2.7043E-08    1.6597E-08    1.1796E-08
 6.0197E-09    2.4225E-09    1.2149E-09    7.8087E-10    4.9796E-10
**DIRECTION FROM  E
 5.4687E-07    6.5904E-08    3.2176E-08    1.9584E-08    1.3900E-08
 7.0843E-09    2.8332E-09    1.4166E-09    9.0721E-10    5.7586E-10
**DIRECTION FROM ESE
 9.3970E-07    1.1039E-07    5.3833E-08    3.2573E-08    2.3075E-08
 1.1716E-08    4.6608E-09    2.3221E-09    1.4856E-09    9.4236E-10
**DIRECTION FROM SE
 1.5007E-06    1.7668E-07    8.8291E-08    5.4635E-08    3.8970E-08
 2.0002E-08    8.1238E-09    4.0909E-09    2.6346E-09    1.6858E-09
**DIRECTION FROM SSE
 7.5820E-07    8.5017E-08    4.3073E-08    2.6883E-08    1.9366E-08
 1.0132E-08    4.1812E-09    2.1086E-09    1.3575E-09    8.7734E-10
**DIRECT .
 7.6243E-07    8.6599E-08    4.4067E-08    2.7571E-08    1.9883E-08
 1.0423E-08    4.3186E-09    2.1858E-09    1.4106E-09    9.1235E-10
**DIRECTION FROM SSW
 7.7156E-07    8.8442E-08    4.4665E-08    2.7814E-08    1.9975E-08
 1.0388E-08    4.2678E-09    2.1526E-09    1.3865E-09    8.9307E-10
**DIRECTION FROM SW
 4.3626E-07    5.5147E-08    2.5240E-08    1.4658E-08    1.0252E-08
 5.1295E-09    1.9734E-09    9.7631E-10    6.2489E-10    3.9099E-10
**DIRECTION FROM WSW
 8.1270E-07    1.0600E-07    4.8450E-08    2.8058E-08    1.9630E-08
 9.8287E-09    3.7688E-09    1.8539E-09    1.1799E-09    7.3302E-10
**DIRECTION FROM  W
 4.8805E-07    5.8438E-08    2.6833E-08    1.5674E-08    1.0898E-08
 5.3622E-09    2.0367E-09    1.0043E-09    6.4044E-10    3.9746E-10
**DIRECTION FROM WNW
 4.4226E-07    4.9347E-08    2.2586E-08    1.3199E-08    9.2130E-09
 4.5772E-09    1.7574E-09    8.7542E-10    5.6217E-10    3.5315E-10
**DIRECTION FROM NW
 2.4067E-07    2.7250E-08    1.2851E-08    7.6608E-09    5.3925E-09
 2.7139E-09    1.0649E-09    5.3360E-10    3.4306E-10    2.1677E-10
**DIRECTION FROM NNW
 2.2487E-07    2.3633E-08    1.1233E-08    6.7582E-09    4.8181E-09
 2.4956E-09    1.0158E-09    5.2335E-10    3.4304E-10    2.2193E-10
 DISTANCES USED IN CALCULATIONS
   594.0  2418.0  4020.0  5630.0  7240.0
 12067.0 24135.0 40225.0 56315.0 80500.0
ENTER: [RETURN] WHEN READY TO CONTINUE
```

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 4 1 1 THRU 83 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD	NNE		
ADULT	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	9.0E-07
TEEN	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	9.0E-07
CHILD	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	9.0E-07
INFNT	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	9.0E-07
GROUND	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD	NNE		
ADULT	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	8.1E-07
TEEN	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	8.1E-07
CHILD	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	8.1E-07
INFNT	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	6.9E-07	8.1E-07
VEGET	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD	NNE		
ADULT	8.1E-07	2.4E-07	1.0E-07	2.8E-07	1.7E-07	7.7E-06	8.6E-08	7.0E-08
TEEN	8.1E-07	2.5E-07	1.5E-07	3.9E-07	2.1E-07	6.4E-06	1.1E-07	8.0E-08
CHILD	2.5E-07	2.3E-07	3.4E-07	6.1E-07	3.2E-07	9.9E-06	1.7E-07	1.2E-07
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT	PATHWAY,	DIST GP= 1,		7725. METERS,	WINDS TOWARD	NNE		
ADULT	7.4E-10	9.4E-10	2.3E-10	8.4E-10	6.1E-10	1.9E-08	4.3E-10	3.9E-10
TEEN	4.2E-10	5.3E-10	1.9E-10	5.9E-10	4.1E-10	1.4E-08	2.7E-10	2.3E-10
CHILD	4.5E-10	4.3E-10	3.5E-10	7.3E-10	5.0E-10	2.1E-08	3.2E-10	2.8E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD	NNE		
ADULT	3.9E-09	1.6E-09	2.7E-09	5.3E-09	4.6E-09	5.1E-07	1.2E-09	8.7E-10
TEEN	4.7E-09	2.1E-09	4.8E-09	8.9E-09	7.8E-09	8.0E-07	1.7E-09	1.1E-09
CHILD	6.1E-09	2.6E-09	1.2E-08	1.5E-08	1.3E-08	1.6E-06	2.7E-09	1.8E-09
INFNT	9.4E-09	3.5E-09	2.1E-08	3.1E-08	2.1E-08	3.9E-06	4.3E-09	2.7E-09
GOAT	PATHWAY,	DIST GP= 1,		8045. METERS,	WINDS TOWARD	NNE		
ADULT	9.1E-09	2.6E-09	6.0E-09	1.2E-08	7.9E-09	6.1E-07	8.7E-09	1.8E-09
TEEN	1.0E-08	3.4E-09	1.1E-08	2.0E-08	1.3E-08	9.7E-07	4.1E-09	2.3E-09
CHILD	1.1E-08	4.6E-09	2.6E-08	3.4E-08	2.1E-08	1.9E-06	6.4E-09	3.6E-09
INFNT	1.6E-08	6.5E-09	4.4E-08	6.6E-08	3.5E-08	4.7E-06	1.0E-08	5.6E-09
INHAL	PATHWAY,	DIST GP= 1,		814. METERS,	WINDS TOWARD	NNE		
ADULT	4.6E-08	4.9E-08	1.0E-08	5.7E-08	6.5E-08	2.7E-06	1.0E-07	3.9E-08
TEEN	4.8E-08	5.0E-08	1.4E-08	6.4E-08	7.6E-08	3.5E-06	1.3E-07	3.9E-08
CHILD	4.4E-08	4.0E-08	2.0E-08	5.8E-08	6.8E-08	4.4E-06	1.1E-07	3.4E-08
INFNT	2.6E-08	2.2E-08	1.5E-08	4.1E-08	4.2E-08	4.0E-06	6.8E-08	2.0E-08

ENTER [CR] TO CONTINUE

THIS IS LAST ACCUMULAT[illegible]
INDIVIDUAL [illegible](REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 4 1 1 THRU 83 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	6.6E-07
TEEN	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	6.6E-07
CHILD	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	6.6E-07
INFNT	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	6.6E-07
GROUND PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.8E-07
TEEN	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.8E-07
CHILD	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.8E-07
INFNT	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.8E-07
VEGET PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	1.1E-07	1.4E-07	6.9E-08	1.6E-07	9.1E-08	4.6E-06	3.7E-08	2.6E-08
TEEN	1.1E-07	1.4E-07	1.0E-07	2.2E-07	1.1E-07	3.8E-06	4.9E-08	3.0E-08
CHILD	1.3E-07	1.2E-07	2.3E-07	3.6E-07	1.7E-07	5.9E-06	7.4E-08	4.6E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NE								
ADULT	5.3E-10	8.2E-10	2.4E-10	6.2E-10	3.9E-10	1.7E-08	2.2E-10	1.9E-10
TEEN	3.0E-10	4.5E-10	1.9E-10	4.6E-10	2.8E-10	1.2E-08	1.5E-10	1.1E-10
CHIL``	7.1E-10	3.1E-10	3.5E-10	5.8E-10	3.4E-10	1.9E-08	1.7E-10	1.3E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE								
ADULT	3.2E-09	1.1E-09	2.6E-09	4.6E-09	3.9E-09	4.6E-07	7.1E-10	4.2E-10
TEEN	3.8E-09	1.5E-09	4.7E-09	7.9E-09	6.7E-09	7.3E-07	1.1E-09	5.4E-10
CHILD	4.8E-09	1.6E-09	1.1E-08	1.3E-08	1.1E-08	1.5E-06	1.8E-09	8.5E-10
INFNT	7.5E-09	2.0E-09	2.0E-08	2.8E-08	1.9E-08	3.5E-06	2.9E-09	1.3E-09
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE								
ADULT	7.7E-09	1.6E-09	6.0E-09	1.1E-08	6.6E-09	5.5E-07	1.7E-09	8.5E-10
TEEN	8.4E-09	2.2E-09	1.1E-08	1.8E-08	1.1E-08	8.8E-07	2.9E-09	1.1E-09
CHILD	8.9E-09	2.6E-09	2.6E-08	3.1E-08	1.8E-08	1.8E-06	4.5E-09	1.7E-09
INFNT	1.2E-08	3.5E-09	4.1E-08	6.1E-08	3.1E-08	4.3E-06	7.6E-09	2.7E-09
INHAL PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	1.7E-08	1.8E-08	3.6E-09	2.0E-08	2.3E-08	9.1E-07	3.9E-08	1.4E-08
TEEN	1.7E-08	1.8E-08	4.9E-09	2.3E-08	2.6E-08	1.2E-06	5.0E-08	1.4E-08
CHILD	1.6E-08	1.5E-08	6.6E-09	2.1E-08	2.4E-08	1.5E-06	4.1E-08	1.3E-08
INFNT	9.4E-09	8.0E-09	5.1E-09	1.5E-08	1.5E-08	1.3E-06	2.5E-08	7.3E-09

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 4 1 1 THRU 83 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE							
ADULT	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.8E-07	1.0E-06
TEEN	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.8E-07	1.0E-06
CHILD	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.8E-07	1.0E-06
INFNT	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.8E-07	1.0E-06
GROUND	PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE							
ADULT	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
TEEN	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
CHILD	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
INFNT	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
VEGET	PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE							
ADULT	9.1E-08	1.0E-07	5.7E-08	1.3E-07	7.3E-08	3.3E-06	3.2E-08	2.4E-08
TEEN	8.8E-08	1.1E-07	8.5E-08	1.8E-07	9.1E-08	2.8E-06	4.3E-08	2.7E-08
CHILD	1.0E-07	9.1E-08	1.9E-07	2.9E-07	1.4E-07	4.3E-06	6.5E-08	4.2E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT	PATHWAY, DIST GP= 1, 3862. METERS, WINDS TOWARD ENE							
ADULT	3.5E-09	5.1E-09	1.8E-09	4.2E-09	2.6E-09	1.1E-07	1.4E-09	1.1E-09
TEEN	1.9E-09	2.8E-09	1.5E-09	3.1E-09	1.8E-09	8.2E-08	9.3E-10	6.8E-10
CHILD	2.0E-09	1.9E-09	2.7E-09	4.0E-09	2.3E-09	1.2E-07	1.1E-09	8.2E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ENE							
ADULT	6.3E-09	2.2E-09	5.3E-09	9.2E-09	7.5E-09	8.6E-07	1.5E-09	8.8E-10
TEEN	7.4E-09	2.9E-09	9.6E-09	1.6E-08	1.3E-08	1.4E-06	2.4E-09	1.1E-09
CHILD	9.4E-09	3.2E-09	2.3E-08	2.7E-08	2.1E-08	2.7E-06	3.7E-09	1.8E-09
INFNT	1.4E-08	4.1E-09	4.1E-08	5.6E-08	3.6E-08	6.6E-06	6.1E-09	2.8E-09
GOAT	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ENE							
ADULT	1.5E-08	3.3E-09	1.3E-08	2.2E-08	1.3E-08	1.0E-06	3.6E-09	1.8E-09
TEEN	1.6E-08	4.3E-09	2.3E-08	3.7E-08	2.2E-08	1.6E-06	6.0E-09	2.3E-09
CHILD	1.8E-08	5.3E-09	5.4E-08	6.3E-08	3.6E-08	3.3E-06	9.3E-09	3.7E-09
INFNT	2.4E-08	7.3E-09	9.1E-08	1.2E-07	6.0E-08	8.0E-06	1.6E-08	5.6E-09
INHAL	PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE							
ADULT	1.5E-08	1.6E-08	2.9E-09	1.8E-08	2.0E-08	7.6E-07	3.2E-08	1.3E-08
TEEN	1.6E-08	1.6E-08	4.1E-09	2.0E-08	2.3E-08	9.7E-07	4.1E-08	1.3E-08
CHILD	1.4E-08	1.3E-08	6.6E-09	1.9E-08	2.1E-08	1.2E-06	3.1E-08	1.2E-08
INFNT	8.6E-09	7.3E-09	4.3E-09	1.3E-08	1.3E-08	1.1E-06	2.1E-08	8.8E-09

ENTER [CR] TO CONTINUE

THIS IS LAST ACCUMULATIO[illegible]
INDIVIDUAL DO[illegible]EM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 4 1 1 THRU 83 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	2.3E-07	2.3E-07	2.3E-07	8.3E-07	8.3E-07	2.3E-07	8.3E-07	5.7E-07
TEEN	2.3E-07	2.3E-07	8.3E-07	2.3E-07	2.3E-07	2.3E-07	8.3E-07	5.7E-07
CHILD	2.3E-07	2.3E-07	2.3E-07	8.3E-07	8.3E-07	2.3E-07	8.3E-07	5.7E-07
INFNT	8.3E-07	8.3E-07	2.3E-07	8.3E-07	8.3E-07	2.3E-07	8.3E-07	5.7E-07
GROUND PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.7E-07
TEEN	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.7E-07
CHILD	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.7E-07
INFNT	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.7E-07
VEGET PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	6.1E-08	8.2E-08	3.7E-08	8.5E-08	4.8E-08	2.3E-06	2.0E-08	1.4E-08
TEEN	6.0E-08	8.3E-08	5.6E-08	1.2E-07	5.9E-08	1.9E-06	8.7E-08	1.7E-08
CHILD	7.0E-08	6.7E-08	1.3E-07	1.9E-07	8.9E-08	3.0E-06	4.1E-08	2.6E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E								
ADULT	7.9E-10	1.5E-09	3.6E-10	9.0E-10	5.5E-10	2.4E-08	3.1E-10	2.5E-10
TEEN	4.5E-10	8.1E-10	2.9E-10	6.7E-10	3.9E-10	1.7E-08	2.0E-10	1.5E-10
CHILD	4.8E-10	5.1E-10	5.4E-10	8.5E-10	4.8E-10	2.6E-08	2.4E-10	1.8E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	3.7E-09	1.3E-09	3.1E-09	5.4E-09	4.5E-09	5.2E-07	8.2E-10	4.7E-10
TEEN	4.4E-09	1.7E-09	5.6E-09	9.2E-09	7.6E-09	8.3E-07	1.3E-09	6.1E-10
CHILD	5.5E-09	1.9E-09	1.3E-08	1.6E-08	1.3E-08	1.6E-06	2.0E-09	9.6E-10
INFNT	8.5E-09	2.3E-09	2.4E-08	3.2E-08	2.1E-08	4.0E-06	3.4E-09	1.5E-09
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	8.9E-09	1.8E-09	7.2E-09	1.2E-08	7.6E-09	6.2E-07	2.0E-09	9.5E-10
TEEN	9.6E-09	2.5E-09	1.3E-08	2.1E-08	1.3E-08	9.9E-07	3.4E-09	1.2E-09
CHILD	1.0E-08	2.9E-09	3.1E-08	3.6E-08	2.1E-08	2.0E-06	5.2E-09	1.9E-09
INFNT	1.4E-08	4.0E-09	5.3E-08	7.2E-08	3.6E-08	4.8E-06	8.7E-09	3.0E-09
INHAL PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	9.3E-09	1.0E-08	1.7E-09	1.1E-08	1.2E-08	4.4E-07	8.4E-08	8.0E-09
TEEN	9.5E-09	1.0E-08	2.4E-09	1.2E-08	1.4E-08	5.7E-07	3.1E-08	8.0E-09
CHILD	8.6E-09	8.1E-09	3.3E-09	1.1E-08	1.3E-08	7.1E-07	8.5E-08	7.1E-09
INFNT	5.1E-09	4.5E-09	8.5E-09	7.6E-09	7.7E-09	6.5E-07	1.6E-08	4.1E-09

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 4 1 1 THRU 83 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	9.0E-08	3.4E-07
TEEN	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	9.0E-08	3.4E-07
CHILD	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	9.0E-08	3.4E-07
INFNT	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	9.0E-08	3.4E-07
GROUND PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	4.3E-07
TEEN	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	4.3E-07
CHILD	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	4.3E-07
INFNT	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	4.3E-07
VEGET PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	6.6E-08	9.1E-08	4.1E-08	9.2E-08	5.1E-08	2.6E-06	2.0E-08	1.4E-08
TEEN	6.4E-08	9.2E-08	6.1E-08	1.3E-07	6.3E-08	2.1E-06	2.7E-08	1.6E-08
CHILD	7.5E-08	7.2E-08	1.4E-07	2.1E-07	9.5E-08	3.3E-06	4.1E-08	2.5E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE								
ADULT	4.3E-09	8.8E-09	2.1E-09	5.0E-09	2.8E-09	1.4E-07	1.4E-09	1.1E-09
TEEN	2.4E-09	4.8E-09	1.7E-09	3.7E-09	2.1E-09	1.0E-07	9.5E-10	6.4E-10
CHILD	2.6E-09	2.9E-09	3.2E-09	4.8E-09	2.6E-09	1.6E-07	1.1E-09	7.8E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE								
ADULT	3.7E-09	1.3E-09	3.2E-09	5.4E-09	4.5E-09	5.3E-07	7.7E-10	4.1E-10
TEEN	4.4E-09	1.7E-09	5.7E-09	9.3E-09	7.8E-09	8.5E-07	1.3E-09	5.4E-10
CHILD	5.5E-09	1.8E-09	1.4E-08	1.6E-08	1.3E-08	1.7E-06	1.9E-09	8.5E-10
INFNT	8.5E-09	2.2E-09	2.4E-08	3.3E-08	2.2E-08	4.1E-06	3.2E-09	1.3E-09
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE								
ADULT	8.9E-09	1.8E-09	7.4E-09	1.3E-08	7.7E-09	6.4E-07	1.9E-09	8.4E-10
TEEN	9.8E-09	2.3E-09	1.3E-08	2.2E-08	1.3E-08	1.0E-06	3.3E-09	1.1E-09
CHILD	1.0E-08	2.7E-09	3.2E-08	3.7E-08	2.2E-08	2.0E-06	5.0E-09	1.7E-09
INFNT	1.4E-08	3.6E-09	5.4E-08	7.3E-08	3.6E-08	4.9E-06	8.5E-09	2.6E-09
INHAL PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	8.9E-09	9.5E-09	1.7E-09	1.1E-08	1.2E-08	4.2E-07	2.1E-08	7.7E-09
TEEN	9.2E-09	9.7E-09	2.3E-09	1.2E-08	1.3E-08	5.5E-07	2.7E-08	7.8E-09
CHILD	8.3E-09	7.8E-09	3.2E-09	1.1E-08	1.2E-08	8.8E-07	2.2E-08	6.9E-09
INFNT	4.9E-09	4.3E-09	8.4E-09	7.3E-09	7.4E-09	8.2E-07	1.4E-08	3.9E-09

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATI
INDIVIDUAL D[illegible](REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 4 1 1 THRU 83 83084

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP=	1,	914.	METERS,	WINDS	TOWARD	SE
ADULT	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.8E-07	2.7E-08
TEEN	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.8E-07	2.7E-08
CHILD	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.8E-07	2.7E-08
INFNT	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.4E-07	4.8E-07	2.7E-08
GROUND	PATHWAY,	DIST GP=	1,	914.	METERS,	WINDS	TOWARD	SE
ADULT	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	6.3E-07
TEEN	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	6.3E-07
CHILD	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	6.3E-07
INFNT	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	5.4E-07	6.3E-07
VEGET	PATHWAY,	DIST GP=	1,	914.	METERS,	WINDS	TOWARD	SE
ADULT	9.0E-08	1.3E-07	5.4E-08	1.3E-07	6.9E-08	3.6E-08	2.6E-08	1.8E-08
TEEN	8.8E-08	1.3E-07	8.0E-08	1.8E-07	8.6E-08	3.0E-06	3.6E-08	2.1E-08
CHILD	1.0E-07	1.0E-07	1.8E-07	2.8E-07	1.3E-07	4.7E-06	5.4E-08	3.2E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT	PATHWAY,	DIST GP=	1,	4354.	METERS,	WINDS	TOWARD	SE
ADULT	9.3E-10	2.0E-09	1.2E-10	1.0E-09	6.1E-10	3.1E-08	3.1E-10	2.4E-10
TEEN	5.3E-10	1.1E-09	3.5E-10	7.9E-10	4.4E-10	2.2E-08	2.0E-10	1.4E-10
CHILD	5.8E-10	6.5E-10	6.3E-10	1.0E-09	5.4E-10	3.4E-08	2.4E-10	1.7E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW	PATHWAY,	DIST GP=	1,	6840.	METERS,	WINDS	TOWARD	SE
ADULT	2.6E-09	9.5E-10	2.2E-09	3.8E-09	3.2E-09	3.9E-07	5.3E-10	2.9E-10
TEEN	3.1E-09	1.2E-09	3.9E-09	6.5E-09	5.5E-09	6.1E-07	8.7E-10	3.8E-10
CHILD	3.9E-09	1.3E-09	9.4E-09	1.1E-08	9.1E-09	1.2E-06	1.3E-09	6.0E-10
INFNT	6.1E-09	1.6E-09	1.7E-08	2.3E-08	1.5E-08	3.0E-06	2.2E-09	9.0E-10
GOAT	PATHWAY,	DIST GP=	1,	8045.	METERS,	WINDS	TOWARD	SE
ADULT	4.7E-09	9.7E-10	3.8E-09	6.6E-09	4.1E-09	3.5E-07	1.0E-09	4.7E-10
TEEN	5.2E-09	1.3E-09	6.8E-09	1.1E-08	7.0E-09	5.5E-07	1.7E-09	6.2E-10
CHILD	5.5E-09	1.5E-09	1.6E-08	1.9E-08	1.1E-08	1.1E-06	2.7E-09	9.7E-10
INFNT	7.5E-09	2.0E-09	2.7E-08	3.8E-08	1.9E-08	2.7E-06	4.5E-09	1.5E-09
INHAL	PATHWAY,	DIST GP=	1,	914.	METERS,	WINDS	TOWARD	SE
ADULT	1.2E-08	1.3E-08	2.3E-09	1.4E-08	1.6E-08	6.1E-07	3.1E-08	1.0E-08
TEEN	1.2E-08	1.3E-08	3.3E-09	1.6E-08	1.8E-08	7.9E-07	4.0E-08	1.0E-08
CHILD	1.1E-08	1.0E-08	4.4E-09	1.4E-08	1.6E-08	9.7E-07	3.3E-08	8.9E-09
INFNT	6.5E-09	5.6E-09	3.4E-09	9.9E-09	1.0E-08	8.9E-07	2.1E-08	5.1E-09

ENTER [C] TO CONTINUE.

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 4 1 1 THRU 83 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.4E-07	3.2E-07
TEEN	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.4E-07	3.2E-07
CHILD	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.4E-07	3.2E-07
INFNT	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.4E-07	3.2E-07
GROUND PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.6E-07
TEEN	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.6E-07
CHILD	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.6E-07
INFNT	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.6E-07
VEGET PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	9.4E-08	1.2E-07	6.3E-08	1.4E-07	7.2E-08	4.2E-06	2.2E-08	1.2E-08
TEEN	8.9E-08	1.2E-07	9.3E-08	1.9E-07	9.0E-08	3.5E-06	3.2E-08	1.4E-08
CHILD	9.7E-08	8.8E-08	2.1E-07	3.1E-07	1.3E-07	5.4E-06	4.8E-08	2.2E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7425. METERS, WINDS TOWARD SSE								
ADULT	4.7E-10	8.2E-10	2.5E-10	5.6E-10	3.2E-10	1.8E-08	1.4E-10	1.0E-10
TEEN	2.6E-10	4.5E-10	2.0E-10	4.3E-10	2.3E-10	1.3E-08	9.6E-11	6.0E-11
CHILD	2.7E-10	2.7E-10	3.7E-10	5.4E-10	2.9E-10	1.9E-08	1.1E-10	7.3E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 6840. METERS, WINDS TOWARD SSE								
ADULT	3.9E-09	1.2E-09	3.4E-09	5.7E-09	4.8E-09	6.0E-07	8.5E-10	2.6E-10
TEEN	4.6E-09	1.6E-09	6.1E-09	9.9E-09	8.3E-09	9.5E-07	1.1E-09	3.4E-10
CHILD	5.7E-09	1.5E-09	1.5E-08	1.7E-08	1.4E-08	1.9E-06	1.7E-09	5.4E-10
INFNT	8.8E-09	1.8E-09	2.6E-08	3.6E-08	2.3E-08	4.6E-06	2.9E-09	8.2E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSE								
ADULT	7.2E-09	1.2E-09	5.9E-09	1.0E-08	6.1E-09	5.4E-07	1.3E-09	4.3E-10
TEEN	7.7E-09	1.6E-09	1.1E-08	1.7E-08	1.1E-08	8.6E-07	2.3E-09	5.7E-10
CHILD	7.9E-09	1.7E-09	2.5E-08	2.9E-08	1.7E-08	1.7E-06	3.5E-09	8.9E-10
INFNT	1.1E-08	2.2E-09	4.3E-08	5.9E-08	2.9E-08	4.2E-06	6.1E-09	1.4E-09
INHAL PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	8.0E-09	8.8E-09	1.6E-09	9.6E-09	1.1E-08	4.1E-07	2.3E-08	6.9E-09
TEEN	8.3E-09	8.9E-09	2.2E-09	1.1E-08	1.2E-08	5.3E-07	3.0E-08	6.9E-09
CHILD	7.5E-09	7.1E-09	3.0E-09	9.8E-09	1.1E-08	6.5E-07	2.5E-08	6.1E-09
INFNT	4.5E-09	3.9E-09	2.3E-09	6.7E-09	6.8E-09	6.0E-07	1.5E-08	3.5E-09

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMUL[illegible]
INDIVIDUA[illegible]ES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 4 1 1 THRU 83 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	8.3E-07	5.2E-06
TEEN	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	8.3E-07	5.2E-06
CHILD	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	8.3E-07	5.2E-06
INFNT	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	8.3E-07	5.2E-06
GROUND PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	9.5E-07
TEEN	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	9.5E-07
CHILD	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	9.5E-07
INFNT	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	8.1E-07	9.5E-07
VEGET PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.2E-07	1.9E-07	7.0E-08	1.7E-07	9.4E-08	4.8E-06	3.9E-08	2.8E-08
TEEN	1.2E-07	2.0E-07	1.0E-07	2.3E-07	1.2E-07	4.0E-06	5.1E-08	3.2E-08
CHILD	1.5E-07	1.5E-07	2.3E-07	3.7E-07	1.7E-07	6.2E-06	7.8E-08	5.0E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S								
ADULT	6.5E-10	1.5E-09	2.6E-10	7.0E-10	4.2E-10	1.9E-08	2.4E-10	1.9E-10
TEEN	3.8E-10	8.3E-10	2.1E-10	5.2E-10	3.0E-10	1.4E-08	1.5E-10	1.2E-10
CHILD	4.3E-10	5.0E-10	3.9E-10	6.6E-10	3.7E-10	2.1E-08	1.8E-10	1.4E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	2.4E-09	9.3E-10	1.9E-09	3.4E-09	2.9E-09	3.5E-07	5.2E-10	3.1E-10
TEEN	2.8E-09	1.2E-09	3.5E-09	5.8E-09	5.0E-09	5.5E-07	8.3E-10	4.0E-10
CHILD	3.6E-09	1.3E-09	8.3E-09	9.9E-09	8.2E-09	1.1E-06	1.3E-09	8.3E-10
INFNT	5.6E-09	1.6E-09	1.5E-08	2.0E-08	1.4E-08	2.7E-06	2.1E-09	9.6E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	5.6E-09	1.2E-09	4.4E-09	7.8E-09	4.9E-09	4.8E-07	1.3E-09	6.3E-10
TEEN	6.1E-09	1.6E-09	7.9E-09	1.3E-08	8.3E-09	6.6E-07	2.1E-09	8.2E-10
CHILD	6.8E-09	1.9E-09	1.9E-08	3.3E-08	1.4E-08	1.3E-06	3.2E-09	1.3E-09
INFNT	9.0E-09	2.6E-09	3.2E-08	4.5E-08	2.3E-08	3.2E-06	5.4E-09	2.0E-09
INHAL PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.8E-08	2.0E-08	3.7E-09	2.2E-08	2.5E-08	9.7E-07	5.1E-08	1.6E-08
TEEN	1.9E-08	2.0E-08	5.1E-09	2.4E-08	2.8E-08	1.3E-06	6.7E-08	1.6E-08
CHILD	1.7E-08	1.6E-08	7.0E-09	2.2E-08	2.6E-08	1.8E-06	5.5E-08	1.4E-08
INFNT	1.0E-08	8.8E-09	5.4E-09	1.6E-08	1.6E-08	1.4E-08	3.5E-08	8.0E-09

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 83 4 1 1 THRU 83 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.0E-06	5.0E-06
TEEN	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.0E-06	5.0E-06
CHILD	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.0E-06	5.0E-06
INFNT	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	2.0E-06	5.0E-06
GROUND PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.8E-06
TEEN	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.8E-06
CHILD	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.8E-06
INFNT	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.8E-06
VEGET PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	5.2E-07	6.2E-07	1.9E-07	6.4E-07	4.5E-07	1.1E-05	3.2E-07	2.9E-07
TEEN	5.4E-07	6.6E-07	2.8E-07	8.4E-07	5.4E-07	9.3E-06	3.8E-07	3.3E-07
CHILD	7.3E-07	7.2E-07	6.5E-07	1.3E-06	8.3E-07	1.4E-05	5.9E-07	5.2E-07
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	2.0E-09	2.7E-09	3.6E-10	2.1E-09	1.8E-09	2.4E-08	1.6E-09	1.5E-09
TEEN	1.2E-09	1.5E-09	3.0E-10	1.4E-09	1.1E-09	1.7E-08	9.5E-10	8.9E-10
CHILD	1.4E-09	1.4E-09	5.4E-10	1.7E-09	1.4E-09	2.5E-08	1.1E-09	1.1E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	7.6E-09	4.6E-09	4.1E-09	9.8E-09	8.6E-09	6.5E-07	4.0E-09	3.5E-09
TEEN	9.4E-09	6.0E-09	7.4E-09	1.6E-08	1.4E-08	1.0E-06	5.5E-09	4.6E-09
CHILD	1.3E-08	8.4E-09	1.8E-08	2.6E-08	2.2E-08	2.1E-06	8.7E-09	7.2E-09
INFNT	2.0E-08	1.2E-08	3.2E-08	5.1E-08	3.6E-08	5.0E-06	1.4E-08	1.1E-08
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	1.7E-08	8.3E-09	9.7E-09	2.2E-08	1.6E-08	7.9E-07	8.6E-09	7.2E-09
TEEN	2.0E-08	1.1E-08	1.7E-08	3.6E-08	2.4E-08	1.2E-06	1.2E-08	9.4E-09
CHILD	2.6E-08	1.6E-08	4.2E-08	6.0E-08	4.0E-08	2.5E-06	1.9E-08	1.5E-08
INFNT	3.6E-08	2.4E-08	7.1E-08	1.1E-07	6.4E-08	6.0E-06	3.0E-08	2.3E-08
INHAL PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.7E-07	1.7E-07	7.2E-09	1.7E-07	1.8E-07	2.0E-06	2.4E-07	1.6E-07
TEEN	1.7E-07	1.7E-07	1.0E-08	1.8E-07	1.9E-07	2.6E-08	2.8E-07	1.8E-07
CHILD	1.5E-07	1.5E-07	1.4E-08	1.6E-07	1.7E-07	3.1E-06	2.4E-07	1.4E-07
INFNT	8.7E-08	8.4E-08	1.0E-08	9.7E-08	9.8E-08	2.8E-06	1.4E-07	8.3E-08

ENTER [C] TO CONTINUE

B-1 SUMMARY OF HOURLY METEOROLOGICAL DATA FOR FIRST QUARTER OF 1983

Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
First Quarter (1/1/83 - 3/31/83)

SITE: AEP COOK 07/21/83 08:36

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

	WIND SPEED(MPH)						
WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	1	0	0	0	1
NNE	0	1	0	0	0	0	1
NE	0	1	0	0	0	0	1
ENE	0	0	0	0	0	0	0
E	0	1	0	0	0	0	1
ESE	2	3	2	0	0	0	7
SE	3	12	8	4	0	0	27
SSE	1	11	10	0	0	0	22
S	1	10	7	0	0	0	18
SSW	0	8	7	0	0	0	15
SW	0	0	0	1	0	0	1
WSW	1	1	0	0	0	0	2
W	0	2	0	0	0	0	2
WNW	0	3	0	0	0	0	3
NW	1	8	1	0	0	0	10
NNW	0	0	0	0	0	0	0
TOTAL	9	61	36	5	0	0	111

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 35

SITE: AEP COOK 07/21/83 08:37

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	1	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	3	2	2	0	0	7
ESE	1	1	0	0	0	0	2
SE	0	2	3	0	0	0	5
SSE	0	4	0	0	0	0	4
S	0	1	0	0	0	0	1
SSW	0	1	3	0	0	0	4
SW	0	0	0	0	0	0	0
WSW	0	1	0	0	0	0	1
W	0	1	0	0	0	0	1
WNW	0	0	0	0	0	0	0
NW	0	2	0	0	0	0	2
NNW	0	5	0	0	0	1	6
TOTAL	1	21	9	2	0	1	34

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 35

SITE: AEP COOK 07/21/83 08:38

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	2	0	0	0	0	2
E	0	0	1	0	0	0	1
ESE	1	2	2	1	0	0	6
SE	1	3	1	0	0	0	5
SSE	0	2	0	0	0	0	2
S	0	1	2	0	0	0	3
SSW	0	1	0	0	0	0	1
SW	0	1	0	0	0	0	1
WSW	0	1	1	0	0	0	2
W	0	0	2	0	0	0	2
WNW	0	0	2	0	0	0	2
NW	1	1	0	1	0	0	3
NNW	0	0	0	0	0	0	0
TOTAL	4	14	11	2	0	0	31

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 35

SITE: AEP COOK 07/19/83 09:47

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	7	16	10	6	0	40
NNE	1	12	49	51	10	0	123
NE	3	7	27	14	0	0	51
ENE	5	20	20	2	0	0	47
E	3	21	24	6	0	0	54
ESE	3	37	42	67	6	0	155
SE	1	34	27	11	0	0	73
SSE	3	11	11	3	0	0	28
S	2	19	5	0	0	0	27
SSW	4	16	8	1	0	0	29
SW	1	20	14	4	0	0	39
WSW	2	19	25	23	4	0	73
W	1	13	25	44	28	9	120
WNW	0	8	19	17	8	6	58
NW	1	9	24	29	26	4	93
NNW	2	7	25	20	22	0	76
TOTAL	33	260	361	302	110	19	1086

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 8
HOURS OF MISSING DATA: 35

SITE: AEP COOK 07/19/83 09:47

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	8	1	0	0	0	11
NNE	0	12	10	1	0	0	23
NE	1	6	5	0	0	0	12
ENE	5	13	3	0	0	0	21
E	3	11	47	7	0	0	68
ESE	5	14	37	24	2	0	82
SE	5	39	51	12	1	0	108
SSE	8	21	14	3	0	0	46
S	8	37	15	1	0	0	61
SSW	3	25	12	2	0	0	42
SW	1	12	27	7	0	0	47
WSW	1	11	17	7	3	0	39
W	6	10	6	2	1	0	25
WNW	2	8	5	6	0	0	21
NW	1	7	3	2	0	1	14
NNW	2	4	7	0	0	0	13
TOTAL	53	238	260	74	7	1	633

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 7
HOURS OF MISSING DATA: 35

SITE: AEP COOK 07/19/83 09:48

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	1	0	0	0	0	2
NNE	0	1	0	0	0	0	1
NE	2	0	0	0	0	0	2
ENE	2	1	0	0	0	0	3
E	0	3	10	0	0	0	13
ESE	1	12	20	1	0	0	34
SE	0	16	9	0	0	0	25
SSE	1	19	7	0	0	0	27
S	1	20	2	0	0	0	23
SSW	4	9	0	0	0	0	13
SW	1	6	1	0	0	0	8
WSW	1	2	1	0	0	0	4
W	2	3	0	0	0	0	5
WNW	2	0	0	0	0	0	2
NW	0	3	0	0	0	0	3
NNW	0	0	0	0	0	0	0
TOTAL	18	96	50	1	0	0	165

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 3
HOURS OF MISSING DATA: 35

SITE: AEP COOK 07/19/83 09:48

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	1	0	0	0	0	2
NNE	0	0	0	0	0	0	0
NE	1	0	0	0	0	0	1
ENE	0	0	0	0	0	0	0
E	0	0	1	0	0	0	1
ESE	0	3	1	0	0	0	4
SE	1	10	6	0	0	0	17
SSE	0	8	6	0	0	0	14
S	0	18	0	0	0	0	18
SSW	0	2	2	0	0	0	4
SW	1	1	0	0	0	0	2
WSW	1	1	0	0	0	0	2
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	5	44	16	0	0	0	65

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 35

SITE: AEP COOK 07/19/83 09:49

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	6	17	19	10	6	0	58
NNE	1	26	59	52	10	0	148
NE	7	14	32	14	0	0	67
ENE	12	36	23	2	0	0	73
E	6	39	85	15	0	0	145
ESE	13	72	104	93	8	0	290
SE	11	116	105	27	1	0	260
SSE	13	76	48	6	0	0	143
S	12	106	31	1	0	0	151
SSW	11	62	32	3	0	0	108
SW	4	40	42	12	0	0	98
WSW	6	36	44	30	7	0	123
W	9	29	33	46	29	9	155
WNW	4	19	26	23	8	6	86
NW	4	30	28	32	26	5	125
NNW	4	16	32	20	22	1	95
TOTAL	123	734	743	386	117	21	2125

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 22
HOURS OF MISSING DATA: 35

Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
First Quarter (1/1/83 - 3/31/83)

SITE: AEP COOK 07/21/83 09:24

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	1	0	0	0	2
NNE	0	0	0	0	0	0	0
NE	0	1	0	0	0	0	1
ENE	1	0	0	0	0	0	1
E	0	1	0	0	0	0	1
ESE	1	1	3	0	0	0	5
SE	1	5	4	1	1	0	12
SSE	1	5	16	3	3	0	28
S	2	1	18	12	0	0	33
SSW	1	0	5	4	2	0	12
SW	0	1	0	0	0	0	1
WSW	0	0	0	0	0	0	0
W	0	3	0	0	0	0	3
WNW	0	2	0	0	0	0	2
NW	1	2	3	0	0	0	6
NNW	0	1	3	0	0	0	4
TOTAL	8	24	53	20	6	0	111

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 34

SITE: AEP COOK 07/21/83 09:25

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	1	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	1	1	0	0	0	2
E	0	1	1	2	0	0	4
ESE	1	1	0	1	0	0	3
SE	0	0	0	3	0	0	3
SSE	0	2	1	0	0	0	3
S	0	1	3	0	0	0	4
SSW	0	0	1	2	0	0	3
SW	0	0	0	0	1	0	1
WSW	0	1	1	0	0	0	2
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	1	0	0	0	0	1
NNW	0	5	1	0	0	1	7
TOTAL	1	13	10	8	1	1	34

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 34

SITE: AEP COOK 07/21/83 09:24

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	1	0	0	0	0	0	1
NE	0	1	0	0	0	0	1
ENE	0	1	0	0	0	0	1
E	0	0	2	0	0	0	2
ESE	1	1	0	2	0	0	4
SE	0	1	3	0	0	0	4
SSE	0	1	1	1	0	0	3
S	0	0	2	2	0	0	4
SSW	0	0	1	0	0	0	1
SW	0	1	1	0	0	0	2
WSW	0	0	1	0	0	0	1
W	0	0	4	0	0	0	4
WNW	0	0	0	0	0	0	0
NW	1	0	1	0	1	0	3
NNW	0	0	0	0	0	0	0
TOTAL	3	6	16	5	1	0	31

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 34

SITE: AEP COOK 07/19/83 10:10

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	5	21	22	22	18	90
NNE	1	2	29	38	18	7	95
NE	1	8	25	14	4	0	52
ENE	5	11	25	8	0	0	50
E	3	17	19	14	15	1	69
ESE	3	25	24	40	24	4	120
SE	0	12	24	24	5	1	66
SSE	1	6	8	14	3	1	33
S	0	11	16	10	0	0	37
SSW	3	6	14	10	2	0	35
SW	2	8	23	15	9	0	57
WSW	2	9	11	22	8	8	60
W	0	4	13	35	31	16	99
WNW	2	5	10	16	14	11	58
NW	0	3	19	17	17	19	75
NNW	1	7	12	21	18	30	89
TOTAL	26	139	293	320	190	116	1085

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 11
HOURS OF MISSING DATA: 34

SITE: AEP COOK 07/19/83 10:11

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	5	9	1	1	0	17
NNE	2	5	11	6	0	0	24
NE	3	8	8	1	0	0	20
ENE	1	9	12	10	0	0	32
E	3	6	18	31	7	0	65
ESE	2	4	19	16	9	1	51
SE	2	5	32	33	14	2	88
SSE	3	10	23	16	5	0	57
S	0	8	29	27	2	0	66
SSW	2	9	22	26	4	0	63
SW	2	13	9	14	5	1	44
WSW	0	8	8	17	3	5	41
W	4	8	3	0	2	1	18
WNW	1	6	5	3	2	1	18
NW	4	3	4	4	4	0	19
NNW	2	3	3	3	1	1	13
TOTAL	32	110	215	208	59	12	636

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 10
HOURS OF MISSING DATA: 34

SITE: AEP COOK 07/19/83 10:11

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	1	1	0	0	0	3
NNE	2	0	1	0	0	0	3
NE	0	1	0	0	0	0	1
ENE	1	0	1	0	0	0	2
E	2	2	5	14	1	0	24
ESE	3	3	13	7	0	0	26
SE	3	1	5	3	1	0	13
SSE	1	5	7	6	0	0	19
S	2	4	10	18	0	0	34
SSW	1	1	9	3	0	0	14
SW	1	2	6	1	0	0	10
WSW	0	3	0	1	0	0	4
W	1	1	0	0	0	0	2
WNW	1	2	2	0	0	0	5
NW	2	0	1	0	0	0	3
NNW	0	1	0	0	0	0	1
TOTAL	21	27	61	53	2	0	164

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 3
HOURS OF MISSING DATA: 34

SITE: AEP COOK 07/19/83 10:12

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	1	0	0	0	1
ENE	0	0	1	0	0	0	1
E	1	0	0	1	0	0	2
ESE	1	1	4	2	0	0	8
SE	0	0	4	0	0	0	4
SSE	2	4	1	3	0	0	10
S	1	5	3	8	0	0	17
SSW	1	1	4	8	0	0	14
SW	0	2	4	0	0	0	6
WSW	0	0	1	0	0	0	1
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	1	0	0	0	0	1
TOTAL	6	14	23	22	0	0	65

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 34

SITE: AEP COOK 07/19/83 10:12

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83010101-83033124
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	12	33	23	23	18	113
NNE	6	7	41	44	18	7	123
NE	4	19	34	15	4	0	76
ENE	8	22	40	18	0	0	89
E	9	27	45	62	23	1	167
ESE	12	36	63	68	33	5	217
SE	6	24	72	64	21	3	190
SSE	8	33	57	43	11	1	153
S	5	30	81	77	2	0	195
SSW	8	17	56	53	8	0	142
SW	5	27	43	30	15	1	121
WSW	2	21	22	40	11	13	109
W	5	16	20	35	33	17	126
WNW	4	15	17	19	16	12	83
NW	8	9	28	21	22	19	107
NNW	3	18	19	24	19	32	115
TOTAL	97	333	671	636	259	129	2126

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 28
HOURS OF MISSING DATA: 34

B-2 SUMMARY OF HOURLY METEOROLOGICAL DATA FOR SECOND QUARTER OF 1983

Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/83 - 6/30/83)

SITE: AEP COOK 07/21/83 08:45

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	16	9	1	0	0	29
NNE	0	17	20	5	0	0	42
NE	0	6	0	0	0	0	6
ENE	1	1	0	0	0	0	2
E	1	3	6	0	0	0	10
ESE	1	12	4	2	0	0	19
SE	1	15	20	8	0	0	44
SSE	1	15	8	3	0	0	27
S	5	11	9	0	0	0	25
SSW	2	10	4	1	0	0	17
SW	1	4	3	1	0	0	9
WSW	1	6	6	0	0	0	13
W	4	18	6	0	1	0	29
WNW	10	35	8	1	0	0	54
NW	2	27	10	0	0	0	39
NNW	6	33	12	2	0	0	53
TOTAL	38	229	125	24	1	0	418

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 11
HOURS OF MISSING DATA: 29

SITE: AEP COOK 07/21/83 08:45

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	1	1	0	0	4
NNE	0	1	2	1	0	0	4
NE	0	0	1	0	0	0	1
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	1	0	1	0	0	2
SE	0	4	2	1	0	0	7
SSE	0	1	1	0	0	0	3
S	0	2	0	0	0	0	2
SSW	0	1	0	1	0	0	2
SW	0	1	2	1	1	0	5
WSW	1	1	1	0	0	0	3
W	0	2	0	0	0	0	2
WNW	0	4	4	0	0	0	8
NW	0	0	0	0	0	0	0
NNW	0	3	2	1	0	0	6
TOTAL	1	23	16	7	1	0	49

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 29

SITE: AEP COOK 07/21/83 08:46

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	1	1	0	0	4
NNE	1	1	4	2	0	0	8
NE	0	0	0	0	0	0	0
ENE	1	1	0	0	0	0	2
E	0	0	0	0	0	0	0
ESE	0	0	6	1	0	0	7
SE	0	3	4	2	0	0	9
SSE	0	2	1	0	0	0	3
S	0	1	0	0	0	0	1
SSW	0	1	1	0	0	0	2
SW	1	3	1	1	0	0	6
WSW	0	2	3	0	0	0	5
W	0	5	0	0	0	0	5
WNW	1	4	7	0	0	0	12
NW	0	0	2	0	0	0	2
NNW	0	3	2	0	0	0	5
TOTAL	4	28	32	7	0	0	71

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 29

SITE: AEP COOK 07/19/83 09:56

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	15	20	9	0	0	48
NNE	6	29	34	26	11	0	106
NE	2	13	12	1	1	0	29
ENE	4	10	2	1	0	0	17
E	2	6	14	5	0	1	28
ESE	2	8	44	19	17	2	92
SE	0	16	31	11	3	0	61
SSE	0	6	3	1	0	0	10
S	0	4	3	0	0	0	7
SSW	2	5	3	0	0	0	10
SW	0	5	6	4	2	0	17
WSW	2	17	24	10	6	5	64
W	3	23	30	11	5	0	72
WNW	5	21	19	11	0	0	56
NW	3	13	12	3	0	0	31
NNW	1	6	15	3	0	0	25
TOTAL	36	197	272	115	45	8	673

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 15
HOURS OF MISSING DATA: 29

SITE: AEP COOK 07/19/83 09:56

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	12	3	0	0	0	19
NNE	4	23	7	5	0	0	39
NE	3	18	7	0	0	0	28
ENE	3	15	6	0	0	0	24
E	4	12	19	12	11	0	58
ESE	3	18	26	8	11	0	66
SE	1	23	24	9	5	0	62
SSE	0	15	15	6	0	0	36
S	5	17	9	1	0	0	32
SSW	4	14	4	4	0	0	26
SW	1	19	31	3	0	0	54
WSW	7	29	46	30	4	1	117
W	2	15	15	2	0	0	34
WNW	4	8	4	8	0	0	24
NW	2	7	0	0	0	0	9
NNW	4	10	1	0	0	0	15
TOTAL	51	255	217	88	31	1	643

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 11
HOURS OF MISSING DATA: 29

SITE: AEP COOK 07/19/83 09:57

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	0	0	0	0	1
NNE	1	3	0	0	0	0	6
NE	3	4	0	0	0	0	7
ENE	2	6	4	0	0	0	12
E	0	7	11	0	0	0	18
ESE	0	7	7	0	0	0	14
SE	0	31	9	0	0	0	40
SSE	0	5	1	0	0	0	6
S	1	4	0	0	0	0	5
SSW	0	9	3	0	0	0	12
SW	0	1	5	0	0	0	6
WSW	0	2	2	9	0	0	13
W	2	0	4	1	0	0	7
WNW	0	0	0	0	0	0	0
NW	0	1	0	0	0	0	1
NNW	0	0	0	0	0	0	0
TOTAL	9	81	46	10	0	0	148

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 6
HOURS OF MISSING DATA: 29

SITE: AEP COOK 07/19/83 09:57

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	1	4	0	0	0	0	5
ENE	1	6	0	0	0	0	7
E	0	6	9	0	0	0	15
ESE	0	10	14	0	0	0	24
SE	0	26	7	0	0	0	33
SSE	0	20	0	0	0	0	20
S	0	17	0	0	0	0	17
SSW	0	18	5	0	0	0	23
SW	0	1	2	0	0	0	3
WSW	0	0	1	1	0	0	2
W	0	1	0	0	0	0	1
WNW	0	1	0	0	0	0	1
NW	0	1	0	0	0	0	1
NNW	0	1	0	0	0	0	1
TOTAL	2	112	38	1	0	0	153

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 29

SITE: AEP COOK 07/19/83 09:58

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: ALL. DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	10	48	34	12	0	0	105
NNE	12	74	67	39	11	0	205
NE	9	45	20	1	1	0	76
ENE	12	39	12	1	0	0	64
E	7	34	59	17	11	1	129
ESE	6	56	101	31	28	2	224
SE	2	118	97	31	8	0	256
SSE	1	64	29	10	0	0	105
S	11	56	21	1	0	0	89
SSW	8	58	20	6	0	0	92
SW	3	34	50	10	3	0	100
WSW	11	57	83	50	10	6	217
W	11	64	55	14	6	0	150
WNW	20	73	42	20	0	0	155
NW	7	49	24	3	0	0	83
NNW	11	56	32	6	0	0	105
TOTAL	141	925	746	252	78	9	2155

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 46
HOURS OF MISSING DATA: 29

Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/83 - 6/30/83)

SITE: AEP COOK 07/21/83. 09:30

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	8	18	27	19	10	0	82
NNE	0	10	15	9	1	0	35
NE	0	4	1	0	0	0	5
ENE	1	1	1	0	0	0	3
E	1	2	5	1	0	0	9
ESE	1	1	6	1	0	0	9
SE	0	3	16	12	4	0	35
SSE	1	8	18	6	4	0	37
S	0	8	8	11	4	0	31
SSW	1	8	10	4	2	0	25
SW	0	2	4	2	1	0	9
WSW	1	4	3	0	0	0	8
W	0	8	4	1	0	0	13
WNW	3	16	10	3	0	1	33
NW	1	24	15	2	1	0	43
NNW	2	29	7	3	0	0	41
TOTAL	20	146	150	74	27	1	418

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 6
HOURS OF MISSING DATA: 30

SITE: AEP COOK 07/21/83 09:30

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	3	3	1	0	1	8
NNE	0	1	1	2	1	0	5
NE	0	0	1	0	0	0	1
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	1	0	0	0	0	1
SE	0	0	1	1	2	0	4
SSE	0	0	3	2	0	0	5
S	0	0	2	1	0	0	3
SSW	0	0	1	0	1	0	2
SW	0	0	1	2	1	1	5
WSW	1	1	1	0	0	0	3
W	0	2	1	0	0	0	3
WNW	0	1	2	2	0	0	5
NW	0	2	0	1	0	0	3
NNW	0	0	1	0	0	0	1
TOTAL	1	11	18	12	5	2	49

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 30

SITE: AEP COOK 07/21/83 09:31

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	1	4	4	1	0	11
NNE	1	0	1	3	1	0	6
NE	0	0	0	0	0	0	0
ENE	1	1	0	0	0	0	2
E	0	0	0	0	0	0	0
ESE	0	0	4	2	0	0	6
SE	0	0	2	3	3	0	8
SSE	0	0	3	0	0	0	3
S	0	1	1	0	1	0	3
SSW	0	1	1	1	0	0	3
SW	0	2	1	2	1	0	6
WSW	0	2	1	0	0	0	3
W	0	4	0	1	0	0	5
WNW	0	4	3	1	0	0	8
NW	0	0	3	2	0	0	5
NNW	0	1	0	1	0	0	2
TOTAL	3	17	24	20	7	0	71

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 30

SITE: AEP COOK 07/19/83 10:16

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	7	19	19	8	0	53
NNE	3	15	29	41	23	6	117
NE	2	10	11	12	0	0	35
ENE	4	9	7	1	0	0	21
E	0	1	7	7	1	3	19
ESE	1	5	11	27	12	8	64
SE	1	1	20	38	11	3	74
SSE	0	1	11	13	4	0	29
S	0	2	2	7	1	0	12
SSW	0	3	3	4	0	0	10
SW	0	3	6	3	3	6	21
WSW	4	7	11	11	5	2	40
W	2	12	21	18	6	11	70
WNW	0	10	17	11	6	1	45
NW	3	13	11	12	3	0	42
NNW	2	5	4	10	0	0	21
TOTAL	22	104	190	234	83	40	673

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 6
HOURS OF MISSING DATA: 30

SITE: AEP COOK 07/19/83 10:17

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	7	18	3	0	0	30
NNE	2	14	10	6	4	0	36
NE	3	10	25	2	0	0	40
ENE	1	8	18	1	0	0	28
E	3	10	6	18	9	11	57
ESE	1	3	13	13	4	9	43
SE	0	3	11	18	5	7	44
SSE	0	1	18	16	3	5	43
S	1	3	15	20	3	3	45
SSW	1	5	12	10	6	0	34
SW	3	6	18	24	5	0	56
WSW	4	10	23	25	21	9	92
W	4	13	20	6	6	3	52
WNW	0	7	4	4	3	0	18
NW	2	3	4	5	2	0	16
NNW	2	1	5	0	0	0	8
TOTAL	29	104	220	171	71	47	642

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 7
HOURS OF MISSING DATA: 30

SITE: AEP COOK 07/19/83 10:17

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 83040101-83063024

STABILITY CLASS: F DT/DZ

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	1	1	0	0	0	4
NNE	0	0	1	0	0	0	1
NE	0	3	6	0	0	0	9
ENE	1	5	8	1	0	0	15
E	0	2	4	7	2	0	15
ESE	0	1	4	2	0	0	7
SE	0	2	8	12	0	0	22
SSE	0	1	8	15	0	0	24
S	1	3	2	6	0	0	12
SSW	1	0	0	7	0	0	8
SW	0	1	3	5	0	0	9
WSW	0	0	2	3	3	4	12
W	1	0	1	1	3	2	8
WNW	0	0	0	0	1	0	1
NW	1	0	0	0	0	0	1
NNW	0	0	0	0	0	0	0
TOTAL	7	19	48	59	9	6	148

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 2

HOURS OF MISSING DATA: 30

SITE: AEP COOK 07/19/83 10:18

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	0	0	0	0	1
NNE	0	0	1	0	0	0	1
NE	0	1	2	0	0	0	3
ENE	0	3	2	1	0	0	6
E	1	1	5	9	1	0	17
ESE	0	2	6	9	0	0	17
SE	0	2	5	10	0	0	17
SSE	0	0	7	15	0	0	22
S	0	1	7	16	0	0	24
SSW	0	0	4	20	0	0	24
SW	0	1	4	12	0	0	17
WSW	0	0	0	0	0	1	1
W	0	0	0	0	0	0	0
WNW	1	0	1	0	0	0	2
NW	0	0	0	0	0	0	0
NNW	1	0	0	0	0	0	1
TOTAL	4	11	44	92	1	1	153

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 30

SITE: AEP COOK 07/19/83 10:18

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 83040101-83063024
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	14	37	72	46	19	1	189
NNE	6	40	58	61	30	6	201
NE	5	28	46	14	0	0	93
ENE	8	27	36	4	0	0	75
E	5	16	27	42	13	14	117
ESE	3	13	44	54	16	17	147
SE	1	11	63	94	25	10	204
SSE	1	11	68	67	11	5	163
S	2	18	37	61	9	3	130
SSW	3	17	31	46	9	0	106
SW	3	15	37	50	11	7	123
WSW	10	24	41	39	29	16	159
W	7	39	47	27	15	16	151
WNW	4	38	37	21	10	2	112
NW	7	42	33	22	6	0	110
NNW	7	36	17	14	0	0	74
TOTAL	86	412	694	662	203	97	2154

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 22
HOURS OF MISSING DATA: 30

B-3 METEOROLOGICAL DATA FOR FIRST SIX MONTHS OF 1983

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	155	0	0	2	250	0	0	2	0	2	0	2	0	0	0	0	2	0	0	270	0	0	0	0	2	0	0	0	2	0	0	0	2
200	100	0	0	2	145	0	0	2	0	2	0	2	0	0	0	0	2	0	0	235	0	0	0	0	2	0	0	0	2	0	0	0	2
300	62	0	0	2	130	0	0	2	0	2	0	2	0	0	0	0	2	0	0	230	0	0	0	0	2	0	0	0	2	0	0	0	2
400	40	0	0	2	135	0	0	2	0	2	0	2	210	0	0	0	2	0	0	225	0	0	0	0	2	0	0	0	2	0	0	0	2
500	42	0	0	2	122	0	0	2	0	2	0	2	0	0	0	0	2	0	0	215	0	0	0	0	2	0	0	0	2	0	0	0	2
600	65	0	0	2	135	0	0	2	0	2	0	2	0	0	0	0	2	0	0	225	0	0	0	0	2	0	0	0	2	0	0	0	2
700	95	0	0	2	135	0	0	2	0	2	0	2	0	0	0	0	2	0	0	230	0	0	0	0	2	0	0	0	2	0	0	0	2
800	102	0	0	2	102	0	0	2	0	2	0	2	215	0	0	0	2	0	0	230	0	0	0	0	2	0	0	0	2	0	0	0	2
900	95	0	0	2	138	0	0	2	0	2	0	2	230	0	0	0	2	0	0	240	0	0	0	0	2	0	0	0	2	0	0	0	2
1000	175	0	0	2	242	0	0	2	0	2	0	2	242	0	0	0	2	0	0	255	0	0	0	0	2	0	0	0	2	0	0	0	2
1100	198	0	0	2	208	0	0	2	0	2	0	2	249	0	0	0	2	0	0	255	0	0	0	0	2	0	0	0	2	0	0	0	2
1200	190	0	0	2	270	0	0	2	0	2	0	2	245	0	0	0	2	0	0	255	0	0	0	0	2	0	0	0	2	0	0	0	2
1300	176	0	0	2	285	0	0	2	0	2	0	2	250	0	0	0	2	0	0	260	0	0	0	0	2	0	0	0	2	0	0	0	2
1400	140	0	0	2	240	0	0	2	0	2	0	2	255	0	0	0	2	0	0	269	0	0	0	0	2	0	0	0	2	0	0	0	2
1500	145	0	0	2	238	0	0	2	0	2	0	2	260	0	0	0	2	0	0	270	0	0	0	0	2	0	0	0	2	0	0	0	2
	SPD1		SPD2		SPD3		SPD4		SPD5		SPD6		DIR1	MIN	MAX	DIR2		MIN	MAX	DIR3		MIN	MAX	DIR4		MIN	MAX	DIR5		MIN	MAX	DIR6	
1700	152	0	0	2	200	0	0	2	0	2	0	2	270	0	0	0	2	0	0	280	0	0	0	0	2	0	0	0	2	0	0	0	2
1800	145	0	0	2	195	0	0	2	0	2	0	2	290	0	0	0	2	0	0	300	0	0	0	0	2	0	0	0	2	0	0	0	2
1900	135	0	0	2	200	0	0	2	0	2	0	2	302	0	0	0	2	0	0	315	0	0	0	0	2	0	0	0	2	0	0	0	2
2000	137	0	0	2	193	0	0	2	0	2	0	2	305	0	0	0	2	0	0	320	0	0	0	0	2	0	0	0	2	0	0	0	2
2100	105	0	0	2	188	0	0	2	0	2	0	2	328	0	0	0	2	0	0	345	0	0	0	0	2	0	0	0	2	0	0	0	2
2200	165	0	0	2	259	0	0	2	0	2	0	2	315	0	0	0	2	0	0	335	0	0	0	0	2	0	0	0	2	0	0	0	2
2300	115	0	0	2	190	0	0	2	0	2	0	2	342	0	0	0	2	0	0	365	0	0	0	0	2	0	0	0	2	0	0	0	2
2400	86	0	78	0	134	0	114	0	0	0	0	0	350	0	30	296	345	0	73	274	344	0	20	301	335	0	358	310	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	340	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	320	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	300	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	285	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	270	0	0	2	0	2	0	2	0	2	0	2	7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	293	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	298	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	305	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	310	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	324	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	340	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	342	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	350	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	370	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	374	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	370	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	374	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	374	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	368	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	356	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	340	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	325	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	318	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	312	0	318	0	307	0	307	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
		S		S		S		S		S		S		50 B	S		150A	S		150B	S			S			S	
100	114	0	109	0	149	0	150	0	0	0	0	0	328	0	358	289	317	0	6	273	325	0	342	310	314	0	334	293	0	0	0	0	0	U
200	116	0	109	0	138	0	138	0	0	0	0	0	339	0	4	302	329	0	6	276	333	0	352	312	322	0	337	296	0	0	0	0	0	U
300	112	0	103	0	141	0	142	0	0	0	0	0	345	0	15	301	336	0	19	274	337	0	349	322	326	0	341	314	0	0	0	0	0	U
400	102	0	99	0	133	0	133	0	0	0	0	0	343	0	359	315	336	0	8	308	335	0	358	311	323	0	344	301	0	0	0	0	0	U
500	81	0	75	0	107	0	109	0	0	0	0	0	336	0	1	279	330	0	6	270	334	0	15	305	324	0	10	280	0	0	0	0	0	U
600	82	0	77	0	113	0	115	0	0	0	0	0	339	0	25	300	332	0	9	276	331	0	346	301	319	0	337	279	0	0	0	0	0	U
700	94	0	89	0	124	0	117	0	0	0	0	0	334	0	0	298	325	0	7	273	328	0	343	295	316	0	332	298	0	0	0	0	0	U
800	102	0	95	0	132	0	133	0	0	0	0	0	339	0	6	298	329	0	4	304	331	0	350	309	320	0	346	295	0	0	0	0	0	U
900	93	0	88	0	125	0	126	0	0	0	0	0	323	0	357	279	312	0	0	270	323	0	347	308	311	0	327	291	0	0	0	0	0	U
1000	105	0	100	0	135	0	137	0	0	0	0	0	330	0	356	296	319	0	8	280	326	0	358	287	316	0	341	275	0	0	0	0	0	U
1100	98	0	96	0	134	0	125	0	0	0	0	0	317	0	351	287	310	0	356	265	317	0	350	283	306	0	342	276	0	0	0	0	0	U
1200	112	0	108	0	140	0	144	0	0	0	0	0	314	0	347	287	306	0	346	267	313	0	324	295	302	0	316	288	0	0	0	0	0	U
1300	121	0	115	0	143	0	145	0	0	0	0	0	317	0	335	289	307	0	351	267	315	0	348	299	303	0	331	289	0	0	0	0	0	U
1400	119	0	117	0	143	0	147	0	0	0	0	0	312	0	341	297	303	0	350	270	311	0	327	300	300	0	324	286	0	0	0	0	0	U
1500	149	0	149	0	205	0	207	0	0	0	0	0	347	0	17	302	337	0	33	278	341	0	24	315	332	0	84	302	0	0	0	0	0	U
1600	130	0	123	0	170	0	170	0	0	0	0	0	342	0	16	290	332	0	31	280	336	0	12	307	327	0	80	292	0	0	0	0	0	U
1700	114	0	109	0	160	0	161	0	0	0	0	0	347	0	48	310	338	0	81	296	345	0	26	317	334	0	88	303	0	0	0	0	0	U
1800	146	0	131	0	191	0	187	0	0	0	0	0	347	0	10	311	339	0	35	282	343	0	4	315	333	0	50	314	0	0	0	0	0	U
1900	113	0	103	0	148	0	149	0	0	0	0	0	357	0	44	323	347	0	79	300	352	0	36	300	342	0	79	291	0	0	0	0	0	U
2000	94	0	86	0	140	0	138	0	0	0	0	0	3	0	78	321	355	0	95	283	349	0	24	298	341	0	91	299	0	0	0	0	0	U
2100	94	0	87	0	136	0	134	0	0	0	0	0	8	0	59	314	357	0	85	296	354	0	57	320	348	0	113	306	0	0	0	0	0	U
2200	67	0	59	0	94	0	95	0	0	0	0	0	8	0	67	296	3	0	81	277	350	0	31	302	342	0	89	274	0	0	0	0	0	U
2300	114	0	105	0	152	0	151	0	0	0	0	0	347	0	27	325	337	0	34	298	343	0	5	322	331	0	355	310	0	0	0	0	0	U
2400	113	0	104	0	143	0	143	0	0	0	0	0	343	0	24	284	334	0	7	282	335	0	7	317	324	0	351	311	0	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	320	0	323	0	312	0	312	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
200	327	0	330	0	320	0	321	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
300	330	0	336	0	323	0	325	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
400	330	0	334	0	323	0	323	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
500	329	0	334	0	321	0	323	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
600	325	0	330	0	320	0	320	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
700	325	0	330	0	320	0	320	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
800	323	0	329	0	321	0	321	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
900	325	0	329	0	321	0	320	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
1000	321	0	327	0	316	0	318	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
1100	320	0	325	0	314	0	314	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
1200	316	0	321	0	309	0	311	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
1300	309	0	312	0	302	0	303	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
1400	305	0	311	0	298	0	300	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
1500	294	0	300	0	287	0	289	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
1600	287	0	291	0	280	0	282	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
1700	284	0	287	0	278	0	278	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
1800	280	0	284	0	273	0	273	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
1900	275	0	280	0	269	0	269	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
2000	275	0	278	0	267	0	269	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
2100	275	0	280	0	269	0	269	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
2200	269	0	275	0	266	0	267	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
2300	274	0	276	0	267	0	267	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2
2400	[illegible]		275	0	267	0	269	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3. = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	103	0	98	0	131	0	131	0	0	0	0	0	343	0	16	274	330	0	13	270	335	0	357	291	324	0	348	290	0	0	0	0	0	5
200	100	0	93	0	134	0	126	0	0	0	0	0	336	0	358	305	326	0	354	300	328	0	342	303	317	0	335	286	0	0	0	0	0	5
300	99	0	94	0	139	0	122	0	0	0	0	0	324	0	356	287	312	0	356	264	322	0	337	297	311	0	330	294	0	0	0	0	0	5
400	81	0	77	0	106	0	109	0	0	0	0	0	322	0	358	267	315	0	357	259	321	0	352	291	310	0	334	280	0	0	0	0	0	5
500	113	0	109	0	136	0	140	0	0	0	0	0	313	0	343	286	302	0	347	268	308	0	324	290	297	0	323	269	0	0	0	0	0	5
600	108	0	99	0	132	0	137	0	0	0	0	0	311	0	356	290	302	0	359	272	308	0	335	290	297	0	325	280	0	0	0	0	0	5
700	116	0	108	0	133	0	140	0	0	0	0	0	303	0	329	279	294	0	321	254	297	0	322	276	287	0	310	266	0	0	0	0	0	5
800	123	0	113	0	137	0	144	0	0	0	0	0	299	0	319	270	290	0	321	247	295	0	309	276	284	0	296	269	0	0	0	0	0	5
900	125	0	115	0	147	0	156	0	0	0	0	0	302	0	326	280	296	0	341	259	296	0	316	271	285	0	309	265	0	0	0	0	0	5
1000	125	0	113	0	151	0	157	0	0	0	0	0	302	0	336	277	292	0	318	247	299	0	321	282	288	0	311	276	0	0	0	0	0	5
1100	119	0	107	0	144	0	150	0	0	0	0	0	301	0	343	277	293	0	320	266	300	0	321	280	289	0	309	273	0	0	0	0	0	5
1200	123	0	116	0	137	0	144	0	0	0	0	0	301	0	326	274	293	0	318	265	294	0	312	274	284	0	304	256	0	0	0	0	0	5
1300	96	0	91	0	102	0	111	0	0	0	0	0	288	0	319	250	280	0	312	239	280	0	312	221	269	0	305	223	0	0	0	0	0	5
1400	90	0	85	0	93	0	98	0	0	0	0	0	275	0	316	234	268	0	321	221	270	0	311	215	261	0	292	228	0	0	0	0	0	5
1500	80	0	75	0	89	0	94	0	0	0	0	0	282	0	343	244	274	0	321	228	279	0	315	231	271	0	302	224	0	0	0	0	0	5
1600	95	0	91	0	93	0	99	0	0	0	0	0	270	0	303	236	263	0	317	230	260	0	300	226	252	0	287	216	0	0	0	0	0	5
1700	69	0	66	0	76	0	81	0	0	0	0	0	265	0	285	229	260	0	283	221	259	0	284	234	252	0	292	216	0	0	0	0	0	5
1800	56	0	52	0	56	0	62	0	0	0	0	0	269	0	294	230	263	0	301	225	267	0	318	240	258	0	306	229	0	0	0	0	0	5
1900	38	0	31	0	41	0	45	0	0	0	0	0	219	0	262	166	210	0	265	165	227	0	259	172	223	0	257	171	0	0	0	0	0	5
2000	55	0	51	0	78	0	79	0	0	0	0	0	157	0	177	140	159	0	186	129	161	0	170	154	157	0	164	152	0	0	0	0	0	5
2100	53	0	47	0	112	0	90	0	0	0	0	0	171	0	202	147	168	0	198	131	178	0	183	173	172	0	175	168	0	0	0	0	0	5
2200	58	0	45	0	95	0	85	0	0	0	0	0	191	0	209	161	189	0	214	164	196	0	204	187	192	0	230	181	0	0	0	0	0	5
2300	62	0	40	0	132	0	113	0	0	0	0	0	188	0	215	165	186	0	216	131	198	0	205	194	193	0	202	188	0	0	0	0	0	5
2400	57	0	45	0	136	0	121	0	0	0	0	0	187	0	226	156	184	0	238	131	195	0	200	187	190	0	195	182	0	0	0	0	0	5

	AMB. TEMP1 30 A	S	AMB. TEMP2 30 B	S	AMB. TEMP3 150A	S	AMB. TEMP4 150B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN	S
100	266	0	271	0	262	0	264	0	320	0	320	0	-3	-7	0	0	320	2	0	0	0	0	0	0	0	0	4
200	266	0	269	0	262	0	262	0	320	0	320	0	-5	-9	0	0	320	2	0	0	0	0	0	0	0	0	4
300	264	0	269	0	260	0	260	0	320	0	320	0	-5	-9	0	0	320	2	0	0	0	0	0	0	0	0	4
400	260	0	266	0	257	0	258	0	320	0	320	0	-3	-7	0	0	320	2	0	0	0	0	0	0	0	0	4
500	260	0	266	0	258	0	258	0	320	0	320	0	-5	-7	0	0	320	2	0	0	0	0	0	0	0	0	4
600	258	0	262	0	255	0	255	0	320	0	320	0	-5	-9	0	0	320	2	0	0	0	0	0	0	0	0	4
700	255	0	258	0	251	0	253	0	320	0	320	0	-3	-7	0	0	320	2	0	0	0	0	0	0	0	0	4
800	249	0	253	0	242	0	249	0	320	0	320	0	-3	-7	0	0	320	2	0	0	0	0	0	0	0	0	4
900	251	0	257	0	248	0	248	0	320	0	320	0	-3	-7	0	0	320	2	0	0	0	0	0	0	0	0	4
1000	255	0	260	0	248	0	249	0	320	0	320	0	-7	-10	0	0	320	2	0	0	0	0	0	0	0	0	4
1100	260	0	264	0	251	0	251	0	320	0	320	0	-12	-16	0	0	320	2	0	0	0	0	0	0	0	0	4
1200	264	0	269	0	253	0	255	0	320	0	320	0	-12	-16	0	0	320	2	0	0	0	0	0	0	0	0	4
1300	267	0	273	0	255	0	257	0	320	0	320	0	-14	-18	0	0	320	2	0	0	0	0	0	0	0	0	4
1400	267	0	273	0	255	0	257	0	320	0	320	0	-14	-18	0	0	320	2	0	0	0	0	0	0	0	0	4
1500	269	0	273	0	253	0	255	0	320	0	320	0	-14	-19	0	0	320	2	0	0	0	0	0	0	0	0	4
1600	257	0	260	0	249	0	249	0	320	0	320	0	-7	-10	0	0	320	2	0	0	0	0	0	0	0	0	4
1700	249	0	255	0	242	0	249	0	320	0	320	0	-7	-10	0	0	320	2	0	0	0	0	0	0	0	0	4
1800	243	0	253	0	239	0	239	0	320	0	320	0	-9	-14	0	0	320	2	0	0	0	0	0	0	0	0	4
1900	246	0	251	0	248	0	248	0	320	0	320	0	0	-3	0	0	320	2	0	0	0	0	0	0	0	0	4
2000	213	0	217	0	239	0	239	0	320	0	320	0	27	23	0	0	320	2	0	0	0	0	0	0	0	0	4
2100	206	0	212	0	239	0	239	0	320	0	320	0	32	27	0	0	320	2	0	0	0	0	0	0	0	0	4
2200	199	0	203	0	237	0	239	0	320	0	320	0	39	36	0	0	320	2	0	0	0	0	0	0	0	0	4
2300	197	0	201	0	230	0	230	0	320	0	320	0	32	28	0	0	320	2	0	0	0	0	0	0	0	0	4
2400	186	0	192	0	224	0	224	0	320	0	320	0	37	32	0	0	320	2	0	0	0	0	0	0	0	0	4

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	64	0	50	0	145	0	132	0	0	0	0	0	190	0	216	166	187	0	233	135	197	0	201	194	192	0	198	185	0	0	0	0	0	0
200	59	0	55	0	138	0	97	0	0	0	0	0	167	0	191	131	164	0	191	121	183	0	189	175	182	0	251	168	0	0	0	0	0	0
300	74	0	65	0	182	0	140	0	0	0	0	0	159	0	183	133	156	0	199	119	171	0	174	168	167	0	169	164	0	0	0	0	0	0
400	77	0	67	0	164	0	140	0	0	0	0	0	180	0	239	144	176	0	242	120	177	0	188	165	173	0	206	163	0	0	0	0	0	0
500	83	0	76	0	193	0	132	0	0	0	0	0	171	0	211	134	166	0	219	125	172	0	187	155	169	0	202	149	0	0	0	0	0	0
600	80	0	75	0	180	0	141	0	0	0	0	0	168	0	199	114	165	0	231	96	174	0	186	154	169	0	208	144	0	0	0	0	0	0
700	79	0	72	0	186	0	137	0	0	0	0	0	169	0	216	127	167	0	226	117	172	0	182	160	168	0	185	155	0	0	0	0	0	0
800	77	0	66	0	191	0	129	0	0	0	0	0	173	0	221	131	170	0	208	92	177	0	197	160	173	0	218	120	0	0	0	0	0	0
900	78	0	65	0	162	0	136	0	0	0	0	0	192	0	258	107	185	0	265	108	184	0	208	153	182	0	234	153	0	0	0	0	0	0
1000	96	0	81	0	190	0	151	0	0	0	0	0	186	0	239	95	184	0	258	120	182	0	210	135	179	0	209	119	0	0	0	0	0	0
1100	104	0	83	0	179	0	151	0	0	0	0	0	197	0	259	149	198	0	261	125	188	0	240	158	185	0	232	144	0	0	0	0	0	0
1200	62	0	0	2	160	0	0	2	0	2	0	2	205	0	0	0	0	2	0	0	205	0	0	0	0	2	0	0	0	2	0	0	0	2
1300	81	0	0	2	165	0	0	2	0	2	0	2	206	0	0	0	0	2	0	0	210	0	0	0	0	2	0	0	0	2	0	0	0	2
1400	95	0	0	2	190	0	0	2	0	2	0	2	210	0	0	0	0	2	0	0	216	0	0	0	0	2	0	0	0	2	0	0	0	2
1500	102	0	0	2	195	0	0	2	0	2	0	2	211	0	0	0	0	2	0	0	220	0	0	0	0	2	0	0	0	2	0	0	0	2
1600	100	0	0	2	196	0	0	2	0	2	0	2	210	0	0	0	0	2	0	0	218	0	0	0	0	2	0	0	0	2	0	0	0	2
1700	90	0	0	2	188	0	0	2	0	2	0	2	206	0	0	0	0	2	0	0	210	0	0	0	0	2	0	0	0	2	0	0	0	2
1800	92	0	73	0	187	0	137	0	0	0	0	0	208	0	266	138	207	0	268	135	194	0	224	167	193	0	266	168	0	0	0	0	0	0
1900	107		****		****		****		****				****				****				****	0	226	173			****			****			****	
2000	104	0	87	0	187	0	138	0	0	0	0	0	225	0	263	174	223	0	265	165	209	0	244	164	205	0	236	171	0	0	0	0	0	0
2100	120	0	104	0	182	0	155	0	0	0	0	0	227	0	260	202	223	0	259	175	212	0	244	189	208	0	254	184	0	0	0	0	0	0
2200	132	0	116	0	193	0	170	0	0	0	0	0	230	0	257	187	226	0	261	175	216	0	243	180	211	0	240	171	0	0	0	0	0	0
2300	124	0	108	0	187	0	163	0	0	0	0	0	230	0	270	197	227	0	278	181	216	0	253	191	212	0	243	187	0	0	0	0	0	0
2400	107	0	99	0	184	0	154	0	0	0	0	0	235	0	262	204	232	0	272	205	220	0	254	192	217	0	236	186	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	185	0	190	0	238	0	228	0	320	0	320	0	43	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	177	0	183	0	233	0	213	0	320	0	320	0	36	0	30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	174	0	179	0	220	0	212	0	320	0	320	0	37	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	185	0	188	0	206	0	206	0	320	0	320	0	23	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	186	0	190	0	195	0	197	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	185	0	188	0	199	0	201	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	181	0	185	0	192	0	192	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	190	0	194	0	199	0	201	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	206	0	210	0	212	0	212	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	239	0	244	0	230	0	230	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	273	0	276	0	258	0	260	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	320	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	356	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	383	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	392	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	378	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	374	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	341	0	345	0	341	0	343	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	339	0	343	0	338	0	338	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	338	0	343	0	336	0	336	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	336	0	341	0	332	0	334	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	334	0	338		329	0	330	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	336	0	339	0	330	0	332	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	[redacted]	0	336	0	329	0	329	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS [illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONAULE 2 = INV[illegible], 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	123	0	115	0	107	0	109	0	0	0	0	0	234	0	259	182	229	0	264	175	222	0	265	194	217	0	246	195	0	0	0	0	0	u
200	112	0	103	0	107	0	102	0	0	0	0	0	239	0	270	209	234	0	272	189	226	0	254	187	220	0	242	196	0	0	0	0	0	u
300	139	0	134	0	104	0	105	0	0	0	0	0	249	0	267	227	244	0	274	210	236	0	259	205	230	0	253	207	0	0	0	0	0	u
400	71	0	59	0	98	0	101	0	0	0	0	0	231	0	273	206	225	0	265	184	218	0	245	198	214	0	247	184	0	0	0	0	0	u
500	63	0	54	0	86	0	91	0	0	0	0	0	235	0	265	197	230	0	265	174	226	0	253	184	221	0	246	189	0	0	0	0	0	u
600	61	0	48	0	85	0	85	0	0	0	0	0	231	0	264	201	225	0	265	136	216	0	247	198	210	0	241	187	0	0	0	0	0	u
700	71	0	64	0	88	0	95	0	0	0	0	0	241	0	264	205	237	0	274	186	231	0	262	207	226	0	254	202	0	0	0	0	0	u
800	67	0	62	0	80	0	88	0	0	0	0	0	246	0	295	193	243	0	278	205	241	0	299	193	234	0	288	195	0	0	0	0	0	u
900	75	0	67	0	81	0	87	0	0	0	0	0	275	0	326	221	266	0	348	204	268	0	326	223	262	0	313	226	0	0	0	0	0	u
1000	76	0	70	0	80	0	85	0	0	0	0	0	278	0	320	214	270	0	321	214	277	0	306	240	269	0	297	224	0	0	0	0	0	u
1100	45	0	38	0	50	0	55	0	0	0	0	0	286	0	327	224	278	0	317	219	280	0	347	240	275	0	316	230	0	0	0	0	0	u
1200	46	0	37	0	57	0	56	0	0	0	0	0	227	0	268	167	223	0	266	141	214	0	245	165	209	0	234	162	0	0	0	0	0	u
1300	64	0	53	0	29	0	76	0	0	0	0	0	232	0	268	167	228	0	304	188	217	0	245	180	213	0	236	169	0	0	0	0	0	u
1400	60	0	54	0	78	0	83	0	0	0	0	0	243	0	296	204	239	0	276	189	230	0	259	178	226	0	247	188	0	0	0	0	0	u
1500	67	0	62	0	78	0	84	0	0	0	0	0	244	0	273	208	239	0	277	180	234	0	260	214	228	0	257	206	0	0	0	0	0	u
1600	30	0	22	0	31	0	31	0	0	0	0	0	227	0	341	180	227	3	321	183	213	0	248	177	208	0	240	167	0	0	0	0	0	u
1700	28	0	20	0	36	0	32	0	0	0	0	0	191	0	230	142	188	3	232	124	186	0	212	147	184	0	260	140	0	0	0	0	0	u
1800	35	0	26	0	45	0	56	0	0	0	0	0	199	0	267	119	195	3	256	120	189	0	205	173	188	0	235	164	0	0	0	0	0	u
1900	34	0	25	0	49	0	53	0	0	0	0	0	206	0	261	132	200	3	244	126	196	0	221	169	191	0	223	167	0	0	0	0	0	u
2000	39	0	28	0	49	0	61	0	0	0	0	0	202	0	250	127	199	3	265	126	194	0	213	166	191	0	214	167	0	0	0	0	0	u
2100	55	0	44	0	62	0	60	0	0	0	0	0	221	0	259	139	217	0	250	137	212	0	237	184	207	0	229	181	0	0	0	0	0	u
2200	38	0	30	0	43	0	56	0	0	0	0	0	189	0	256	120	187	3	240	124	184	0	217	159	183	0	250	152	0	0	0	0	0	u
2300	44	0	34	0	42	0	56	0	0	0	0	0	191	0	254	123	193	0	260	124	188	0	215	154	184	0	223	147	0	0	0	0	0	u
2400	66	0	52	0	91	0	81	0	0	0	0	0	211	0	260	158	208	0	256	137	199	0	218	171	195	0	223	171	0	0	0	0	0	u

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	330	0	334	0	327	0	327	0	320	0	320	0	-3	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
200	330	0	334	0	325	0	325	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
300	332	0	338	0	327	0	327	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
400	321	0	327	0	316	0	316	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
500	321	0	327	0	318	0	321	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
600	318	0	321	0	311	0	311	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
700	314	0	321	0	309	0	309	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
800	323	0	327	0	316	0	318	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
900	327	0	332	0	323	0	323	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
1000	327	0	330	0	320	0	321	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
1100	329	0	332	0	321	0	323	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
1200	321	0	327	0	312	0	314	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
1300	316	0	320	0	307	0	307	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
1400	316	0	320	0	305	0	307	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
1500	314	0	320	0	309	0	309	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
1600	314	0	320	0	307	0	309	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
1700	312	0	318	0	307	0	307	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
1800	309	0	312	0	303	0	303	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
1900	303	0	309	0	298	0	298	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
2000	303	0	307	0	298	0	298	0	320	0	320	0	-3	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
2100	296	0	302	0	289	0	291	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
2200	291	0	294	0	282	0	284	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
2300	284	0	289	0	276	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2
2400	280	0	284	0	271	0	273	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	DIR4	MIN	MAX	DIR5	MIN	MAX	DIR6
100	65	0	54	0	82	0	77	0	0	0	0	0	223	0	264	159	221	0	267	165	209	0	242	171	204	0	243	163	0	0	0	0	0	0
200	37	0	29	0	47	0	58	0	0	0	0	0	195	0	267	103	195	3	267	126	191	0	226	138	187	0	216	131	0	0	0	0	0	0
300	54	0	47	0	80	0	73	0	0	0	0	0	196	0	263	116	192	0	267	120	186	0	223	146	184	0	241	150	0	0	0	0	0	0
400	62	0	53	0	77	0	73	0	0	0	0	0	217	0	261	153	214	0	265	135	205	0	240	172	201	0	235	164	0	0	0	0	0	0
500	41	0	31	0	67	0	59	0	0	0	0	0	190	0	264	95	184	0	267	96	180	0	223	94	181	0	269	123	0	0	0	0	0	0
600	59	0	48	0	95	0	81	0	0	0	0	0	202	0	258	130	198	0	267	129	192	0	216	153	188	0	218	141	0	0	0	0	0	0
700	52	0	41	0	85	0	74	0	0	0	0	0	202	0	263	120	200	0	263	136	189	0	222	154	187	0	248	143	0	0	0	0	0	0
800	0	2	0	2	0	2	0	2	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0
900	54	0	46	0	95	0	85	0	0	0	0	0	191	0	251	130	186	0	259	97	186	0	233	151	182	0	263	146	0	0	0	0	0	0
1000	78	0	66	0	102	0	129	0	0	0	0	0	187	0	253	110	182	0	256	92	181	0	223	135	179	0	213	137	0	0	0	0	0	0
1100	88	0	80	0	140	0	131	0	0	0	0	0	167	0	210	116	165	0	232	92	165	0	189	127	165	0	232	134	0	0	0	0	0	0
1200	97	0	88	0	172	0	150	0	0	0	0	0	187	0	241	123	184	0	255	96	180	0	209	148	178	0	213	147	0	0	0	0	0	0
1300	106	0	94	0	176	0	155	0	0	0	0	0	181	0	267	127	183	0	261	116	177	0	217	139	174	0	216	143	0	0	0	0	0	0
1400	123	0	121	0	205	0	203	0	0	0	0	0	158	0	198	115	157	0	219	115	159	0	183	130	156	0	178	130	0	0	0	0	0	0
1500	138	0	136	0	230	0	237	0	0	0	0	0	149	0	191	122	149	0	184	110	150	0	168	132	149	0	168	129	0	0	0	0	0	0
1600	144	0	156	0	255	0	258	0	0	0	0	0	149	0	193	120	151	0	209	97	151	0	184	130	148	0	177	124	0	0	0	0	0	0
1700	131	0	123	0	239	0	218	0	0	0	0	0	170	0	226	106	173	0	237	116	171	0	207	114	170	0	203	120	0	0	0	0	0	0
1800	153	0	125	0	245	0	208	0	0	0	0	0	213	0	267	156	206	0	260	114	197	0	232	169	196	0	263	160	0	0	0	0	0	0
1900	156	0	137	0	238	0	210	0	0	0	0	0	227	0	256	202	223	0	270	182	214	0	237	174	209	0	235	198	0	0	0	0	0	0
2000	168	0	164	0	265	0	269	0	0	0	0	0	244	0	278	218	241	0	278	209	232	0	273	213	225	0	243	203	0	0	0	0	0	0
2100	224	0	223	0	332	0	330	0	0	0	0	0	248	0	273	227	242	0	279	210	238	0	251	219	231	0	247	205	0	0	0	0	0	0
2200	220	0	223	0	326	0	343	0	0	0	0	0	255	0	277	241	251	0	286	217	248	0	261	234	240	0	252	232	0	0	0	0	0	0
2300	205	0	208	0	295	0	313	0	0	0	0	0	265	0	284	249	261	0	281	228	257	0	267	237	249	0	259	232	0	0	0	0	0	0
2400	356	0	354	0	422	0	429	0	0	0	0	0	272	0	293	256	265	0	290	236	268	0	284	244	259	0	281	237	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	280	0	285	0	273	0	273	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	280	0	285	0	273	0	273	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	276	0	282	0	269	0	269	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	271	0	275	0	264	0	264	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	269	0	273	0	262	0	262	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	266	0	271	0	260	0	260	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	269	0	275	0	264	0	264	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	266	2	271	2	260	2	262	2	320	0	320	0	-5	2	-9	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	267	0	273	0	262	0	262	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	269	0	275	0	262	0	262	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	275	0	280	0	266	0	267	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	285	0	291	0	273	0	273	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	291	0	29660		278	0	278	0	320	0	320	0	-12	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	294	0	298	0	285	0	285	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	307	0	311	0	298	0	298	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	320	0	325	0	314	0	314	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	354	0	359	0	348	0	350	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	386	0	392	0	384	0	384	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	399	0	404	0	393	0	395	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	404	0	408	0	402	0	402	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	408	0	411	0	406	0	408	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	402	0	406	0	401	0	401	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	388	0	393	0	386	0	386	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	[illegible]	0	375	0	365	0	365	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3. = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
														50 B	S		150A	S		150B	S				S			S	
100	278	0	269	0	333	0	342	0	0	0	0	0	293	0	314	254	283	0	318	239	289	0	327	253	279	0	302	233	0	0	0	0	0	0
200	280	0	268	0	353	0	363	0	0	0	0	0	304	0	314	288	290	0	321	267	303	0	311	296	291	0	300	285	0	0	0	0	0	0
300	288	0	273	0	382	0	373	0	0	0	0	0	303	0	317	290	290	0	319	265	301	0	310	293	289	0	294	280	0	0	0	0	0	0
400	276	0	273	0	381	0	350	0	0	0	0	0	300	0	309	276	290	0	317	261	298	0	307	287	286	0	294	263	0	0	0	0	0	0
500	214	0	208	0	276	0	283	0	0	0	0	0	297	0	313	273	286	0	320	249	296	0	306	284	285	0	291	280	0	0	0	0	0	0
600	218	0	209	0	287	0	276	0	0	0	0	0	292	0	317	253	280	0	316	249	291	0	319	247	279	0	302	238	0	0	0	0	0	0
700	237	0	220	0	284	0	295	0	0	0	0	0	296	0	311	267	285	0	317	261	299	0	307	268	283	0	309	258	0	0	0	0	0	0
800	269	0	248	2	339	0	336	2	0	0	0	0	302	0	319	288	290	2	321	267	299	0	308	289	288	2	297	281	0	0	0	0	0	0
900	239	0	228	0	292	0	298	0	0	0	0	0	304	0	314	289	292	0	316	261	304	0	311	287	292	0	302	291	0	0	0	0	0	0
1000	187	0	183	0	259	0	262	0	0	0	0	0	317	0	336	291	307	0	338	270	319	0	337	310	307	0	333	296	0	0	0	0	0	0
1100	237	0	237	0	289	0	293	0	0	0	0	0	313	0	328	292	301	0	343	276	312	0	322	304	301	0	311	292	0	0	0	0	0	0
1200	171	0	181	0	247	0	251	0	0	0	0	0	323	0	350	298	313	0	1	282	323	0	334	311	312	0	333	300	0	0	0	0	0	0
1300	178	0	176	0	235	0	228	0	0	0	0	0	314	0	330	297	305	0	344	272	313	0	329	294	302	0	316	289	0	0	0	0	0	0
1400	195	0	179	0	235	0	242	0	0	0	0	0	299	0	312	286	292	0	321	263	297	0	308	282	286	0	297	275	0	0	0	0	0	0
1500	176	0	174	0	216	0	221	0	0	0	0	0	308	0	331	283	300	0	322	270	308	0	330	290	297	0	325	279	0	0	0	0	0	0
1600	167	0	164	0	217	0	222	0	0	0	0	0	314	0	347	291	303	0	336	265	315	0	332	290	303	0	317	282	0	0	0	0	0	0
1700	163	0	158	0	203	0	210	0	0	0	0	0	300	0	334	283	292	0	354	265	300	0	329	286	289	0	326	279	0	0	0	0	0	0
1800	131	0	128	0	167	0	170	0	0	0	0	0	320	0	353	289	310	0	2	272	320	0	344	289	308	0	330	271	0	0	0	0	0	0
1900	131	0	130	0	168	0	161	0	0	0	0	0	313	0	346	284	304	0	335	265	313	0	335	299	300	0	315	288	0	0	0	0	0	0
2000	106	0	102	0	138	0	138	0	0	0	0	0	333	0	2	298	323	0	10	275	331	0	356	309	320	0	349	279	0	0	0	0	0	0
2100	102	0	97	0	134	0	135	0	0	0	0	0	334	0	0	299	327	0	13	278	332	0	351	281	321	0	348	277	0	0	0	0	0	0
2200	97	0	92	0	130	0	129	0	0	0	0	0	341	0	3	310	332	0	12	301	336	0	351	312	325	0	337	293	0	0	0	0	0	0
2300	78	0	77	0	97	0	99	0	0	0	0	0	319	0	344	290	312	0	359	275	320	0	344	285	308	0	329	276	0	0	0	0	0	0
2400	102	0	99	0	134	0	118	0	0	0	0	0	308	0	328	288	302	0	321	271	309	0	330	292	297	0	321	280	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1		D.T. 2		D.T. 3		D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
													180A	S	180B	S																			
100	368	0	372	0	383	0	363	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	352	0	356	0	368	0	350	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	341	0	347	0	354	0	336	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	339	0	345	0	332	0	332	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	339	0	345	0	332	0	334	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	343	0	347	0	336	0	336	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	345	0	350	0	338	0	338	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	347	0	352	2	339	2	339	2	320	0	320	0	-7	0	-10	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	347	0	352	0	339	0	341	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	334	0	338	0	327	0	327	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	334	0	339	0	327	0	329	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	319	0	321	0	309	0	309	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	316	0	320	0	307	0	309	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	312	0	318	0	303	0	303	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	309	0	312	0	300	0	300	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	303	0	309	0	296	0	296	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	296	0	302	0	289	0	289	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	296	0	302	0	289	0	289	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	302	0	307	0	294	0	294	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	307	0	312	0	300	0	302	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	321	0	323	0	312	0	312	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	327	0	330	0	320	0	320	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	329	0	334	0	321	0	323	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	332	0	338	0	327	0	327	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	DIR4	MIN	MAX	DIR5	MIN	MAX	DIR6
100	81	0	78	0	101	0	109	0	0	0	0	0	325	0	356	286	317	0	355	267	325	0	348	300	315	0	337	284	0	0	0	0	0	0
200	67	0	63	0	90	0	92	0	0	0	0	0	342	0	10	302	333	0	8	300	336	0	14	314	326	0	356	299	0	0	0	0	0	0
300	63	0	57	0	91	0	91	0	0	0	0	0	13	0	54	313	9	0	86	305	356	0	27	320	347	0	116	299	0	0	0	0	0	0
400	59	0	55	0	87	0	70	0	0	0	0	0	59	0	118	19	359	0	128	0	51	0	106	2	41	0	97	1	0	0	0	0	0	0
500	44	0	40	0	87	0	59	0	0	0	0	0	101	0	132	72	101	0	136	69	92	0	116	65	86	0	115	60	0	0	0	0	0	0
600	40	0	37	0	80	0	55	0	0	0	0	0	128	0	150	99	129	0	142	87	118	0	131	103	113	0	129	97	0	0	0	0	0	0
700	49	0	43	0	72	0	77	0	0	0	0	0	155	0	177	131	152	0	188	120	158	0	167	150	153	0	160	143	0	0	0	0	0	0
800	32	0	30	0	87	0	51	0	0	0	0	0	141	0	176	114	141	3	176	120	148	0	165	120	144	0	157	126	0	0	0	0	0	0
900	49	0	46	0	86	0	59	0	0	0	0	0	123	0	137	106	125	0	170	86	111	0	127	97	108	0	125	90	0	0	0	0	0	0
1000	56	0	55	0	71	0	76	0	0	0	0	0	126	0	145	110	128	0	175	87	124	0	147	104	120	0	136	103	0	0	0	0	0	0
1100	75	0	77	0	81	0	86	0	0	0	0	0	125	0	149	98	127	0	139	89	119	0	145	97	116	0	132	97	0	0	0	0	0	0
1200	70	0	71	0	87	0	94	0	0	0	0	0	133	0	171	110	134	0	175	97	127	0	148	108	123	0	140	100	0	0	0	0	0	0
1300	68	0	66	0	74	0	79	0	0	0	0	0	122	0	148	92	126	0	175	86	120	0	147	90	116	0	146	73	0	0	0	0	0	0
1400	49	0	40	0	81	0	63	0	0	0	0	0	161	0	221	100	162	0	243	91	157	0	193	113	153	0	191	105	0	0	0	0	0	0
1500	58	0	57	0	73	0	77	0	0	0	0	0	144	0	191	110	148	0	194	90	141	0	178	110	139	0	179	108	0	0	0	0	0	0
1600	64	0	63	0	88	0	92	0	0	0	0	0	142	0	176	114	143	0	181	116	140	0	172	115	137	0	169	113	0	0	0	0	0	0
1700	75	0	76	0	108	0	115	0	0	0	0	0	139	0	176	116	141	0	198	91	139	0	167	109	137	0	155	114	0	0	0	0	0	0
1800	65	0	68	0	90	0	98	0	0	0	0	0	134	0	167	106	138	0	182	95	136	0	161	116	133	0	154	118	0	0	0	0	0	0
1900	59	0	60	0	84	0	91	0	0	0	0	0	137	0	179	115	138	0	186	96	139	0	165	119	136	0	160	116	0	0	0	0	0	0
2000	63	0	62	0	92	0	98	0	0	0	0	0	148	0	195	122	148	0	224	120	147	0	168	123	143	0	164	119	0	0	0	0	0	0
2100	66	0	67	0	98	0	103	0	0	0	0	0	140	0	177	109	144	0	175	117	139	0	160	115	137	0	156	114	0	0	0	0	0	0
2200	66	0	65	0	100	0	106	0	0	0	0	0	139	0	197	103	141	0	185	117	140	0	162	117	137	0	160	115	0	0	0	0	0	0
2300	69	0	69	0	109	0	115	0	0	0	0	0	143	0	198	97	143	0	209	94	144	0	173	122	140	0	160	111	0	0	0	0	0	0
2400	86	0	88	0	132	0	139	0	0	0	0	0	144	0	170	113	140	0	180	120	144	0	169	122	141	0	163	120	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2 150A	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	332	0	338	0	339	0	329	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	334	0	339	0	330	0	330	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	332	0	336	0	337	0	329	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	330	0	334	0	333	0	323	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	307	0	312	0	303	0	303	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	303	0	309	0	298	0	298	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	303	0	307	0	302	0	302	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	302	0	305	0	296	0	296	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	300	0	305	0	296	0	296	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	305	0	309	0	298	0	298	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	311	0	316	0	302	0	303	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	314	0	320	0	303	0	305	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	316	0	320	0	303	0	305	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	321	0	323	0	302	0	303	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	312	0	318	0	302	0	303	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	309	0	314	0	298	0	300	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	300	0	303	0	291	0	293	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	293	0	296	0	285	0	285	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	293	0	298	0	287	0	287	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	296	0	300	0	291	0	291	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	296	0	300	0	291	0	291	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	294	0	298	0	287	0	289	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	293	0	298	0	287	0	287	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	293	0	298	0	287	0	289	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS = 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6
100	73	0	73	0	111	0	118	0	0	0	0	0	145	0	195	109	146	0	207	96	148	0	182	126	146	0	169	122	0	0	0
200	69	0	67	0	113	0	118	0	0	0	0	0	140	0	167	114	138	0	177	91	143	0	162	126	140	0	153	119	0	0	0
300	64	0	65	0	105	0	114	0	0	0	0	0	128	0	150	116	130	0	142	94	134	0	144	116	131	0	140	120	0	0	0
400	84	0	81	0	130	0	131	0	0	0	0	0	122	0	130	115	124	0	136	117	125	0	131	117	122	0	126	118	0	0	0
500	95	0	91	0	136	0	144	0	0	0	0	0	120	0	130	105	122	0	142	95	119	0	130	110	115	0	125	106	0	0	0
600	80	0	77	0	130	0	119	0	0	0	0	0	121	0	136	110	125	0	142	115	120	0	142	109	118	0	135	100	0	0	0
700	107	0	110	0	148	0	166	0	0	0	0	0	125	0	137	114	126	0	147	109	125	0	140	115	122	0	135	109	0	0	0
800	118	0	116	0	161	0	162	0	0	0	0	0	129	0	147	117	131	0	163	105	128	0	141	110	125	0	138	105	0	0	0
900	146	0	148	0	182	0	196	0	0	0	0	0	127	0	139	113	129	0	142	113	125	0	140	110	122	0	132	108	0	0	0
1000	139	0	143	0	181	0	198	0	0	0	0	0	131	0	147	115	133	0	175	116	130	0	148	113	127	0	136	113	0	0	0
1100	129	0	133	0	198	0	165	0	0	0	0	0	135	0	157	103	137	0	175	98	131	0	150	112	128	0	152	114	0	0	0
1200	109	0	111	0	144	0	149	0	0	0	0	0	138	0	168	118	140	0	174	119	136	0	159	115	133	0	151	108	0	0	0
1300	113	0	115	0	169	0	173	0	0	0	0	0	136	0	164	110	136	0	197	116	138	0	166	112	134	0	160	108	0	0	0
1400	116	0	119	0	162	0	170	0	0	0	0	0	140	0	169	111	139	0	175	96	141	0	165	115	138	0	161	106	0	0	0
1500	145	0	152	0	204	0	214	0	0	0	0	0	137	0	171	114	138	0	185	113	139	0	160	116	136	0	157	114	0	0	0
1600	95	0	101	0	139	0	151	0	0	0	0	0	131	0	157	112	135	0	175	98	133	0	160	109	130	0	157	111	0	0	0
1700	89	0	88	0	130	0	119	0	0	0	0	0	126	0	151	105	127	0	175	90	122	0	142	103	120	0	142	97	0	0	0
1800	86	0	84	0	130	0	116	0	0	0	0	0	119	0	141	96	122	0	141	86	113	0	139	92	111	0	130	86	0	0	0
1900	131	0	135	0	179	0	191	0	0	0	0	0	133	0	153	117	135	0	169	100	131	0	148	110	129	0	143	109	0	0	0
2000	143	0	151	0	210	0	229	0	0	0	0	0	132	0	150	115	135	0	165	110	135	0	156	121	132	0	152	119	0	0	0
2100	174	0	181	0	283	0	268	0	0	0	0	0	134	0	150	120	137	0	176	116	134	0	153	120	132	0	160	117	0	0	0
2200	136	0	138	0	237	0	237	0	0	0	0	0	136	0	153	121	137	0	174	115	136	0	151	121	139	0	153	121	0	0	0
2300	159	0	159	0	230	0	229	0	0	0	0	0	133	0	160	117	135	0	175	96	136	0	150	125	133	0	149	119	0	0	0
2400	138	0	139	0	208	0	216	0	0	0	0	0	150	0	174	126	150	0	177	116	153	0	166	121	149	0	165	126	0	0	0

	AMB. TEMP1 30 A	S	AMB. TEMP2 30 B	S	AMB. TEMP3 180A	S	AMB. TEMP4 180B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN	S
100	293	0	298	0	289	0	289	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
200	285	0	291	0	285	0	285	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
300	275	0	280	0	280	0	280	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
400	269	0	275	0	276	0	276	0	320	0	320	0	9	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
500	262	0	267	0	267	0	267	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
600	260	0	266	0	264	0	264	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
700	255	0	260	0	258	0	260	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
800	258	0	262	0	257	0	257	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
900	262	0	267	0	257	0	257	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
1000	284	0	289	0	275	0	275	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
1100	314	0	320	0	302	0	302	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
1200	350	0	356	0	336	0	338	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
1300	381	0	384	0	365	0	366	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
1400	406	0	410	0	390	0	390	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
1500	404	0	410	0	392	0	393	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
1600	401	0	406	0	390	0	392	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
1700	402	0	406	0	395	0	397	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
1800	397	0	402	0	392	0	393	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
1900	392	0	395	0	386	0	386	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
2000	384	0	390	0	379	0	379	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
2100	381	0	386	0	375	0	377	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
2200	374	0	379	0	370	0	372	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
2300	377	0	383	0	379	0	374	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4
2400	390	0	395	0	386	0	386	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	4

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

PROGRAM RESOLUTION = TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	117	0	119	0	197	0	201	0	0	0	0	0	145	0	168	121	147	0	181	118	148	0	164	115	147	0	159	122	0	0	0	0	0	0
200	116	0	120	0	190	0	197	0	0	0	0	0	140	0	161	121	140	0	175	114	142	0	168	126	138	0	160	122	0	0	0	0	0	0
300	116	0	112	0	184	0	179	0	0	0	0	0	157	0	183	119	160	0	198	118	161	0	178	123	157	0	173	121	0	0	0	0	0	0
400	94	0	91	0	176	0	168	0	0	0	0	0	159	0	199	129	160	0	220	96	165	0	195	139	160	0	189	125	0	0	0	0	0	0
500	93	0	85	0	152	0	136	0	0	0	0	0	174	0	229	135	173	0	238	120	173	0	210	146	171	0	263	139	0	0	0	0	0	0
600	91	0	78	0	120	0	146	0	0	0	0	0	191	0	246	130	186	0	250	90	184	0	205	159	180	0	223	153	0	0	0	0	0	0
700	90	0	73	0	125	0	117	0	0	0	0	0	224	0	272	180	221	0	268	175	211	0	265	184	203	0	247	164	0	0	0	0	0	0
800	264	2	248	2	339	2	338	2	0	0	0	0	302	2	319	288	290	2	321	267	299	2	308	289	288	2	297	291	0	0	0	0	0	0
900	104	0	86	0	147	0	135	0	0	0	0	0	216	0	251	165	213	0	256	138	205	0	238	183	200	0	225	170	0	0	0	0	0	0
1000	84	0	72	0	132	0	116	0	0	0	0	0	225	0	258	182	222	0	266	131	214	0	240	187	207	0	241	184	0	0	0	0	0	0
1100	110	0	93	0	153	0	148	0	0	0	0	0	226	0	266	165	222	0	267	165	210	0	244	176	204	0	231	164	0	0	0	0	0	0
1200	106	0	84	0	170	0	146	0	0	0	0	0	205	0	265	107	200	0	259	96	192	0	223	155	187	0	243	143	0	0	0	0	0	0
1300	82	0	72	0	130	0	112	0	0	0	0	0	212	0	265	103	206	0	266	90	200	0	239	158	198	0	259	145	0	0	0	0	0	0
1400	135	0	118	0	191	0	183	0	0	0	0	0	222	0	265	169	221	0	267	126	211	0	244	177	206	0	238	175	0	0	0	0	0	0
1500	116	0	99	0	160	0	145	0	0	0	0	0	218	0	266	185	217	0	261	169	203	0	251	160	200	0	243	158	0	0	0	0	0	0
1600	119	0	96	0	146	0	151	0	0	0	0	0	217	0	248	173	214	0	265	165	206	0	248	181	202	0	232	168	0	0	0	0	0	0
1700	107	0	89	0	139	0	143	0	0	0	0	0	217	0	260	152	217	0	260	171	205	0	235	176	201	0	244	169	0	0	0	0	0	0
1800	78	0	70	0	111	0	113	0	0	0	0	0	231	0	257	177	229	0	267	177	217	0	244	187	211	0	241	181	0	0	0	0	0	0
1900	142	0	138	0	201	0	212	0	0	0	0	0	239	0	267	215	236	0	272	199	232	0	255	214	223	0	243	203	0	0	0	0	0	0
2000	150	0	149	0	211	0	225	0	0	0	0	0	247	0	275	217	242	0	282	197	234	0	254	206	227	0	243	195	0	0	0	0	0	0
2100	136	0	132	0	187	0	199	0	0	0	0	0	242	0	280	208	240	0	289	189	234	0	254	211	226	0	250	207	0	0	0	0	0	0
2200	158	0	155	0	209	0	223	0	0	0	0	0	243	0	266	221	241	0	283	181	234	0	256	208	228	0	249	196	0	0	0	0	0	0
2300	160	0	157	0	218	0	230	0	0	0	0	0	254	0	280	232	251	0	278	210	245	0	270	205	237	0	262	204	0	0	0	0	0	0
2400	245	0	250	0	273	0	290	0	0	0	0	0	270	0	284	256	266	0	287	249	264	0	280	243	256	0	271	243	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	392	0	397	0	388	0	388	0	320	0	320	0	-3	0	-7	0	0.0		0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	401	0	409	0	397	0	399	0	320	0	320	0	1	0	-5	0	0.0		0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	417	0	422	0	415	0	415	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	431	0	437	0	428	0	428	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	435	0	440	0	431	0	433	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	442	0	446	0	438	0	440	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	442	0	447	0	440	0	440	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	415	2	419	2	415	2	417	2	320	0	320	0	1	2	-3	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	422	0	428	0	419	0	419	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	422	0	426	0	415	0	415	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	422	0	428	0	415	0	415	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	442	0	446	0	439	0	429	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	438	0	442	0	439	0	429	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	428	0	431	0	430	0	420	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	422	0	428	0	415	0	417	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	390	0	395	0	388	0	388	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	381	0	384	0	379	0	381	0	320	0	320	0	0	0	-3	0	0.0		0.0		320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	361	0	366	0	361	0	361	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	363	0	368	0	357	0	359	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	363	0	368	0	356	0	357	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	357	0	363	0	350	0	350	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	356	0	361	0	348	0	350	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	354	0	359	0	348	0	348	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	[illegible]	0	370	0	356	0	356	0	320	0	320	0	-7	0	-10	0			0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = IN[illegible]ID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION - [illegible]

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	214	0	216	0	236	0	244	0	0	0	0	0	269	0	311	246	0	261	0	308	222	270	0	315	238	264	0	295	236	0	0	0	0	U
200	165	0	164	0	199	0	209	0	0	0	0	0	282	0	311	249	275	0	316	231	282	0	328	245	271	0	304	209	0	0	0	0	0	U
300	190	0	189	0	218	0	228	0	0	0	0	0	286	0	313	256	276	0	315	232	280	0	312	240	270	0	314	226	0	0	0	0	0	U
400	206	0	204	0	239	0	247	0	0	0	0	0	276	0	306	252	270	0	321	223	276	0	307	240	266	0	303	226	0	0	0	0	0	U
500	189	0	190	0	214	0	228	0	0	0	0	0	281	0	321	257	276	0	321	248	282	0	321	248	271	0	305	234	0	0	0	0	0	U
600	209	0	206	0	241	0	247	0	0	0	0	0	274	0	310	253	269	0	315	233	274	0	318	243	265	0	319	226	0	0	0	0	0	U
700	232	0	216	0	206	0	277	0	0	0	0	0	297	0	317	272	287	0	315	248	292	0	304	264	281	0	290	255	0	0	0	0	0	U
800	176	0	174	0	208	0	216	0	0	0	0	0	281	0	310	244	275	0	333	235	279	0	324	237	270	0	305	232	0	0	0	0	0	U
900	181	0	177	0	210	0	227	0	0	0	0	0	291	0	321	257	283	0	321	243	285	0	323	250	275	0	303	238	0	0	0	0	0	U
1000	175	0	173	0	201	0	213	0	0	0	0	0	291	0	350	257	284	0	346	221	283	0	311	258	274	0	300	218	0	0	0	0	0	U
1100	147	0	144	0	172	0	179	0	0	0	0	0	274	0	319	241	270	0	322	222	272	0	302	237	262	0	299	230	0	0	0	0	0	U
1200	192	0	196	0	235	0	227	0	0	0	0	0	271	0	303	248	265	0	305	233	270	0	305	249	259	0	283	3221	0	0	0	0	0	U
1300	180	0	182	0	201	0	208	0	0	0	0	0	270	0	292	247	266	0	297	232	273	0	315	246	263	0	302	235	0	0	0	0	0	U
1400	152	0	150	0	170	0	178	0	0	0	0	0	280	0	309	252	275	0	319	237	275	0	313	239	266	0	294	216	0	0	0	0	0	U
1500	197	0	191	0	235	0	240	0	0	0	0	0	307	0	325	289	297	0	321	259	306	0	316	290	294	0	305	274	0	0	0	0	0	U
1600	213	0	218	0	273	0	277	0	0	0	0	0	313	0	331	290	301	0	329	266	314	0	324	304	302	0	315	292	0	0	0	0	0	U
1700	172	0	169	0	209	0	260	0	0	0	0	0	324	0	346	291	317	0	19	270	328	0	346	313	316	0	335	300	0	0	0	0	0	U
1800	156	0	145	0	177	0	273	0	0	0	0	0	11	0	105	322	5	0	45	304	357	0	36	322	348	0	83	314	0	0	0	0	0	U
1900	180	0	170	0	205	0	282	0	0	0	0	0	10	0	50	320	3	0	91	276	359	0	49	323	354	0	89	305	0	0	0	0	0	U
2000	198	0	186	0	205	0	300	0	0	0	0	0	9	0	58	330	2	0	67	271	359	0	165	327	348	0	83	302	0	0	0	0	0	U
2100	214	0	205	0	234	0	318	0	0	0	0	0	10	0	43	311	5	0	72	274	356	0	24	317	349	0	53	289	0	0	0	0	0	U
2200	206	0	191	0	237	0	327	0	0	0	0	0	4	0	67	288	359	0	81	299	358	0	59	317	349	0	81	310	0	0	0	0	0	U
2300	213	0	211	0	239	0	334	0	0	0	0	0	19	0	43	343	18	0	85	317	1	0	26	335	356	0	80	320	0	0	0	0	0	U
2400	179	0	173	0	299	0	291	0	0	0	0	0	12	0	47	327	6	0	87	281	357	0	64	309	352	0	82	307	0	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	361	0	365	0	342	0	352	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
200	354	0	359	0	347	0	348	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
300	357	0	363	0	350	0	352	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
400	356	0	361	0	348	0	348	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
500	341	0	347	0	336	0	336	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
600	332	0	336	0	325	0	325	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
700	332	0	338	0	327	0	327	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
800	325	0	330	0	320	0	320	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
900	321	0	321	0	311	0	312	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
1000	311	0	314	0	303	0	303	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
1100	307	0	312	0	300	0	300	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
1200	302	0	305	0	294	0	294	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
1300	293	0	302	0	289	0	291	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
1400	305	0	311	0	298	0	300	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
1500	320	0	323	0	311	0	312	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
1600	314	0	320	0	307	0	307	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
1700	327	0	330	0	321	0	320	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
1800	320	0	323	0	312	0	314	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
1900	316	0	320	0	309	0	311	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
2000	307	0	311	0	300	0	300	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
2100	298	0	302	0	291	0	291	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
2200	287	0	291	0	280	0	280	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
2300	289	0	293	0	282	0	282	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U
2400	289	0	293	0	282	0	282	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	U

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, S =FLAT DIRECTION

RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50 B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	186	0	178	0	192	0	189	0	0	0	0	0	15	0	42	318	-8	0	69	296	359	0	28	319	354	0	81	323	0	0	0	0	0	u
200	216	0	204	0	211	0	206	0	0	0	0	0	346	0	48	320	339	0	76	271	347	0	28	325	338	0	34	308	0	0	0	0	0	u
300	187	0	175	0	189	0	250	0	0	0	0	0	347	0	15	326	342	0	29	304	342	0	2	326	334	0	34	316	0	0	0	0	0	u
400	205	0	197	0	200	0	273	0	0	0	0	0	345	0	14	316	336	0	11	276	340	0	8	324	330	0	356	314	0	0	0	0	0	u
500	195	0	183	0	191	0	239	0	0	0	0	0	338	0	0	270	327	0	356	236	335	0	352	306	325	0	357	298	0	0	0	0	0	u
600	177	0	111	0	183	0	218	0	0	0	0	0	343	0	16	298	334	0	28	294	338	0	9	308	329	0	4	298	0	0	0	0	0	u
700	151	0	147	0	187	0	204	0	0	0	0	0	341	0	28	306	330	0	25	297	334	0	350	309	324	0	350	297	0	0	0	0	0	u
800	143	0	135	0	180	0	200	0	0	0	0	0	327	0	351	302	316	0	359	272	328	0	359	289	317	0	348	287	0	0	0	0	0	u
900	130	0	127	0	166	0	170	0	0	0	0	0	329	0	6	289	321	0	31	276	328	0	340	291	316	0	333	288	0	0	0	0	0	u
1000	81	0	77	0	106	0	107	0	0	0	0	0	326	0	357	282	318	0	353	266	326	0	352	290	315	0	347	281	0	0	0	0	0	u
1100	37	0	34	0	42	0	44	0	0	0	0	0	339	0	21	271	333	0	78	271	338	0	42	283	328	0	25	271	0	0	0	0	0	u
1200	64	0	63	0	68	0	74	0	0	0	0	0	257	0	295	227	251	0	307	216	248	0	272	226	241	0	260	222	0	0	0	0	0	u
1300	105	0	105	0	131	0	138	0	0	0	0	0	258	0	287	227	254	0	305	221	251	0	284	229	244	0	258	214	0	0	0	0	0	u
1400	122	0	122	0	160	0	170	0	0	0	0	0	262	0	286	229	258	0	288	226	254	0	283	233	246	0	262	229	0	0	0	0	0	u
1500	139	0	139	0	193	0	203	0	0	0	0	0	254	0	280	223	250	0	277	209	246	0	270	209	238	0	264	209	0	0	0	0	0	u
1600	158	0	158	0	189	0	199	0	0	0	0	0	249	0	272	226	247	0	278	209	241	0	272	217	233	0	259	213	0	0	0	0	0	u
1700	122	0	118	0	140	0	168	0	0	0	0	0	246	0	304	210	245	0	302	198	235	0	274	188	226	0	264	176	0	0	0	0	0	u
1800	70	0	62	0	131	0	98	0	0	0	0	0	224	0	289	185	218	0	266	166	205	0	237	175	201	0	225	181	0	0	0	0	0	u
1900	52	0	43	0	93	0	81	0	0	0	0	0	208	0	265	133	204	0	265	115	190	0	227	143	188	0	239	131	0	0	0	0	0	u
2000	58	0	52	0	99	0	84	0	0	0	0	0	204	0	261	137	201	0	249	121	196	0	234	154	194	0	258	150	0	0	0	0	0	u
2100	81	0	70	0	146	0	102	0	0	0	0	0	211	0	243	173	211	0	239	166	205	0	234	183	200	0	263	170	0	0	0	0	0	u
2200	97	0	86	0	146	0	138	0	0	0	0	0	222	0	251	164	219	0	261	166	212	0	256	178	207	0	235	185	0	0	0	0	0	u
2300	83	0	74	0	139	0	116	0	0	0	0	0	227	0	265	177	227	0	283	182	220	0	258	165	214	0	259	187	0	0	0	0	0	u
2400	97	0	85	0	141	0	131	0	0	0	0	0	223	0	275	197	223	0	285	193	212	0	245	188	205	0	225	187	0	0	0	0	0	u

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	O.T. 1 180A	S	O.T. 2 180B	S	O.T. 3	S	O.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	282	0	287	0	285	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	278	0	284	0	269	0	271	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	273	0	276	0	266	0	266	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	267	0	271	0	258	0	258	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	266	0	269	0	255	0	257	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	255	0	258	0	246	0	246	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	248	0	251	0	239	0	240	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	242	0	248	0	235	0	235	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	242	0	248	0	235	0	235	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	239	0	244	0	231	0	231	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	249	0	253	0	237	0	239	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	255	0	258	0	251	0	251	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	251	0	257	0	240	0	242	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	244	0	248	0	233	0	233	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	248	0	251	0	235	0	237	0	320	0	320	0	-10	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	235	0	239	0	226	0	226	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	233	0	237	0	224	0	229	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	219	0	222	0	212	0	212	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	210	0	215	0	204	0	204	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	208	0	213	0	204	0	204	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	213	0	217	0	208	0	208	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	219	0	222	0	215	0	215	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	228	0	233	0	224	0	224	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	[illegible]	0	233	0	224	0	224	0	320	0	320	0	-7	0	-9	0	[illegible]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS [illegible]E(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INV[illegible], 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6		
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S					50 B	S	150A	S		150B	S			S			S		
100	88	0	72	0	130	0	118	0	0	0	0	0	211	0	250	148	207	0	244	138	207	0	229	187	201	0	223	171	0	0	0	0	U	
200	62	0	51	0	104	0	96	0	0	0	0	0	212	0	257	140	209	0	250	133	210	0	236	189	209	0	251	186	0	0	0	0	U	
300	50	0	43	0	98	0	88	0	0	0	0	0	198	0	242	144	197	0	251	138	203	0	224	176	199	0	264	66	0	0	0	0	U	
400	60	0	46	0	103	0	92	0	0	0	0	0	206	0	236	165	206	0	254	132	200	0	219	183	196	0	235	182	0	0	0	0	U	
500	59	0	49	0	108	0	92	0	0	0	0	0	203	0	262	126	195	0	260	115	193	0	211	168	188	0	237	133	0	0	0	0	U	
600	50	0	42	0	99	0	81	0	0	0	0	0	198	0	255	148	197	0	243	120	195	0	218	180	190	0	244	170	0	0	0	0	U	
700	43	0	38	0	82	0	69	0	0	0	0	0	187	0	244	130	187	0	256	135	189	0	209	158	190	0	266	118	0	0	0	0	U	
800	52	0	46	0	99	0	91	0	0	0	0	0	210	0	252	169	208	0	249	136	209	0	229	189	203	0	215	189	0	0	0	0	U	
900	59	2	49	2	108	2	92	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	U	
1000	50	2	42	2	94	2	81	2	0	0	0	0	305	0	159	180	125	0	266	0	129	0	264	0	121	0	259	0	0	0	0	0	U	
1100	102	0	101	0	130	0	130	0	0	0	0	0	248	0	266	216	246	0	284	210	238	0	254	209	231	0	250	213	0	0	0	0	U	
1200	98	0	98	0	129	0	127	0	0	0	0	0	248	0	267	222	246	0	278	207	238	0	262	217	232	0	254	210	0	0	0	0	U	
1300	72	0	72	0	93	0	99	0	0	0	0	0	260	0	297	226	256	0	281	217	252	0	274	230	245	0	276	220	0	0	0	0	U	
1400	75	0	74	0	102	0	91	0	0	0	0	0	249	0	277	187	246	0	284	185	238	0	256	206	231	0	258	207	0	0	0	0	U	
1500	52	0	52	0	57	0	63	0	0	0	0	0	264	0	301	227	261	0	311	216	253	0	279	195	246	0	266	216	0	0	0	0	U	
1600	41	0	38	0	50	0	56	0	0	0	0	0	287	0	329	234	278	0	346	215	290	0	329	217	282	0	316	221	0	0	0	0	U	
1700	25	0	22	0	37	0	32	0	0	0	0	0	288	0	332	197	279	3	321	195	276	0	324	210	270	0	322	201	0	0	0	0	U	
1800	19	0	15	0	36	0	20	0	0	0	0	0	71	5	107	30	73	3	97	30	33	3	59	9	26	3	93	1	0	0	0	0	U	
1900	19	0	15	0	31	0	19	0	0	0	0	0	100	5	109	92	95	3	131	87	85	3	96	69	77	3	90	63	0	0	0	0	U	
2000	45	0	43	0	39	0	42	0	0	0	0	0	142	0	188	121	143	0	176	121	126	0	144	110	122	0	140	106	0	0	0	0	U	
2100	66	0	62	0	81	0	85	0	0	0	0	0	132	0	138	127	133	0	141	124	123	0	128	118	119	0	125	115	0	0	0	0	U	
2200	86	0	82	0	117	0	132	0	0	0	0	0	118	0	123	119	122	0	130	120	122	0	126	118	119	0	122	115	0	0	0	0	U	
2300	101	0	97	0	141	0	165	0	0	0	0	0	127	0	136	115	129	0	141	120	129	0	137	120	125	0	135	117	0	0	0	0	U	
2400	119	0	122	0	143	0	180	0	0	0	0	0	129	0	141	117	132	0	147	120	132	0	141	121	128	0	139	122	0	0	0	0	U	

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		MAIN	
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S		S
100	221	0	226	0	219	0	217	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	221	0	226	0	224	0	224	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	213	0	219	0	217	0	217	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	213	0	219	0	210	0	210	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	212	0	215	0	208	0	206	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	213	0	217	0	206	0	206	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	212	0	215	0	206	0	206	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	213	0	217	0	217	0	217	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	316	2	316	2	316	2	316	2	320	0	320	0	-3	2	-3	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	235	2	239	2	226	2	226	2	320	0	320	0	-9	2	-12	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	262	0	267	0	255	0	255	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	293	0	296	0	282	0	282	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	303	0	309	0	293	0	293	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	298	0	303	0	289	0	291	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	314	0	320	0	305	0	307	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	311	0	314	0	303	0	303	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	303	0	309	0	300	0	300	0	320	0	320	0	-3	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	269	0	275	0	287	0	287	0	320	0	320	0	18	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	267	0	273	0	271	0	271	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	278	0	284	0	287	0	287	0	320	0	320	0	9	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	273	0	278	0	289	0	289	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	269	0	275	0	296	0	296	0	320	0	320	0	27	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	262	0	266	0	275	0	275	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	271	0	275	0	276	0	276	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIRS	MIN	MAX	S	WIND DIR6	
100	60	0	55	0	117	0	119	0	0	0	0	0	153	0	167	138	152	0	182	120	163	0	171	155	158	0	168	152	0	0	0	0	0	U
200	107	0	113	0	105	0	109	0	0	0	0	0	134	0	144	121	135	0	145	116	142	0	149	132	138	0	146	124	0	0	0	0	0	U
300	104	0	105	0	100	0	106	0	0	0	0	0	139	0	158	120	138	0	175	102	149	0	171	124	145	0	161	126	0	0	0	0	0	U
400	124	0	120	0	233	0	228	0	0	0	0	0	145	0	163	111	143	0	175	120	149	0	164	134	146	0	163	131	0	0	0	0	0	U
500	156	0	167	0	267	0	276	0	0	0	0	0	139	0	159	121	138	0	181	120	145	0	162	126	142	0	159	120	0	0	0	0	0	U
600	137	0	135	0	241	0	242	0	0	0	0	0	156	0	198	122	158	0	205	115	157	0	176	138	155	0	219	136	0	0	0	0	0	U
700	137	0	130	0	236	0	215	0	0	0	0	0	163	0	212	118	166	0	215	96	166	0	195	141	163	0	191	136	0	0	0	0	0	U
800	102	0	100	0	109	0	164	0	0	0	0	0	171	0	220	114	168	0	224	120	175	0	199	148	175	0	266	115	0	0	0	0	0	U
900	94	0	71	0	194	0	134	0	0	0	0	0	208	0	260	146	208	0	255	121	198	0	229	140	195	0	232	142	0	0	0	0	0	U
1000	179	0	174	0	267	0	273	0	0	0	0	0	256	0	280	229	253	0	303	220	250	0	274	216	243	0	257	209	0	0	0	0	0	U
1100	205	0	208	0	234	0	236	0	0	0	0	0	270	0	285	254	264	0	283	238	265	0	278	255	257	0	272	249	0	0	0	0	0	U
1200	220	0	223	0	294	0	311	0	0	0	0	0	266	0	285	251	261	0	286	231	257	0	276	221	250	0	282	225	0	0	0	0	0	U
1300	251	0	249	0	274	0	289	0	0	0	0	0	271	0	294	249	265	0	301	223	267	0	300	247	259	0	281	241	0	0	0	0	0	U
1400	294	0	295	0	338	0	331	0	0	0	0	0	271	0	290	257	263	0	300	238	266	0	282	249	260	0	284	243	0	0	0	0	0	U
1500	255	0	262	0	307	0	324	0	0	0	0	0	268	0	286	237	262	0	284	229	260	0	273	244	253	0	266	236	0	0	0	0	0	U
1600	208	0	204	0	290	0	306	0	0	0	0	0	254	0	287	235	249	0	281	213	248	0	257	237	240	0	250	225	0	0	0	0	0	U
1700	187	0	180	0	274	0	286	0	0	0	0	0	254	0	275	235	250	0	303	215	247	0	265	231	240	0	262	224	0	0	0	0	0	U
1800	138	0	136	0	187	0	186	0	0	0	0	0	322	0	340	300	313	0	359	277	323	0	330	312	311	0	322	299	0	0	0	0	0	U
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2000	106	0	110	0	119	0	133	0	0	0	0	0	50	0	70	30	54	0	87	5	40	0	59	15	30	0	49	354	0	0	0	0	0	U
2100	81	0	85	0	101	0	113	0	0	0	0	0	54	0	98	17	58	0	92	17	43	0	64	14	35	0	60	14	0	0	0	0	0	U
2200	74	0	72	0	95	0	97	0	0	0	0	0	41	0	58	17	40	0	85	3	27	0	44	351	20	0	87	352	0	0	0	0	0	U
2300	208	0	198	0	298	0	299	0	0	0	0	0	21	0	50	348	14	0	93	321	3	0	49	330	358	0	98	317	0	0	0	0	0	U
2400	231	0	222	0	209	0	283	0	0	0	0	0	33	0	57	12	29	0	79	357	16	0	36	347	13	0	97	334	0	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	266	0	271	0	284	0	284	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
200	266	0	271	0	278	0	278	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
300	284	0	289	0	296	0	296	0	320	0	320	0	12	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
400	303	0	307	0	307	0	307	0	320	0	320	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
500	321	0	323	0	323	0	323	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
600	323	0	329	0	325	0	325	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
700	332	0	338	0	334	0	336	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
800	325	0	329	0	329	0	329	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
900	343	0	347	0	339	0	341	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
1000	345	0	350	0	339	0	339	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
1100	336	0	341	0	329	0	330	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
1200	345	0	350	0	339	0	341	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
1300	336	0	341	0	330	0	332	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
1400	327	0	332	0	320	0	320	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
1500	318	0	321	0	309	0	309	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
1600	302	0	305	0	294	0	296	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
1700	316	0	320	0	312	0	312	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
1800	332	0	338	0	325	0	325	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	U		A
2000	305	0	309	0	300	0	300	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
2100	289	0	294	0	284	0	284	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
2200	298	0	302	0	293	0	293	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
2300	330	0	334	0	321	0	323	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A
2400	[illegible]	0	316	0	302	0	303	0	320	0	320	0	-7	0	-10	0	[illegible]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	U		A

STATUS CODE(S) DEFINITIONS - 0=VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	
														50 B	S		150A	S		150B	S			S			S		
100	222	0	217	0	277	0	269	0	0	0	0	0	32	0	53	12	26	0	82	344	16	0	47	346	14	0	91	327	0	0	0	0	0	U
200	231	0	223	0	282	0	279	0	0	0	0	0	30	0	55	12	25	0	83	354	11	0	36	341	17	0	86	337	0	0	0	0	0	U
300	189	0	182	0	285	0	257	0	0	0	0	0	29	0	54	5	23	0	78	349	12	0	41	329	10	0	91	321	0	0	0	0	0	U
400	207	0	195	0	265	0	261	0	0	0	0	0	27	0	54	0	21	0	69	345	10	0	35	333	9	0	82	341	0	0	0	0	0	U
500	162	0	152	0	247	0	244	0	0	0	0	0	20	0	59	331	12	0	100	289	5	0	35	310	358	0	80	311	0	0	0	0	0	U
600	176	0	163	0	265	0	263	0	0	0	0	0	5	0	66	326	358	0	77	296	352	0	38	317	347	0	74	282	0	0	0	0	0	U
700	186	0	168	0	271	0	268	0	0	0	0	0	357	0	39	321	347	0	60	281	352	0	32	292	345	0	79	305	0	0	0	0	0	U
800	160	0	146	0	242	0	239	0	0	0	0	0	355	0	50	313	346	0	53	282	355	0	26	319	349	0	80	295	0	0	0	0	0	U
900	160	0	152	0	241	0	243	0	0	0	0	0	7	0	46	324	0	0	83	300	353	0	37	301	348	0	84	286	0	0	0	0	0	U
1000	199	0	198	0	283	0	280	0	0	0	0	0	349	0	25	329	338	0	31	305	345	0	18	326	335	0	11	311	0	0	0	0	0	U
1100	220	0	217	0	293	0	288	0	0	0	0	0	347	0	34	331	336	0	31	305	345	0	20	324	335	0	20	315	0	0	0	0	0	U
1200	189	0	176	0	249	0	247	0	0	0	0	0	352	0	49	323	342	0	72	280	344	0	31	303	333	0	27	311	0	0	0	0	0	U
1300	222	0	211	0	306	0	300	0	0	0	0	0	343	0	13	315	333	0	10	294	338	0	354	324	328	0	343	311	0	0	0	0	0	U
1400	236	0	238	0	312	0	312	0	0	0	0	0	335	0	359	310	326	0	5	293	330	0	346	296	319	0	339	294	0	0	0	0	0	U
1500	198	0	195	0	281	0	282	0	0	0	0	0	329	0	358	302	321	0	31	277	327	0	354	299	317	0	353	273	0	0	0	0	0	U
1600	210	0	209	0	301	0	302	0	0	0	0	0	329	0	359	288	320	0	357	277	329	0	357	313	317	0	337	306	0	0	0	0	0	U
1700	212	0	203	0	291	0	291	0	0	0	0	0	338	0	7	310	328	0	8	281	334	0	357	321	323	0	344	311	0	0	0	0	0	U
1800	194	0	195	0	280	0	281	0	0	0	0	0	332	0	358	299	322	0	0	282	331	0	355	300	321	0	344	303	0	0	0	0	0	U
1900	204	0	195	0	279	0	276	0	0	0	0	0	341	0	6	314	333	0	9	292	334	0	352	319	325	0	341	307	0	0	0	0	0	U
2000	159	0	149	0	212	0	210	0	0	0	0	0	10	0	50	318	5	0	72	289	1	0	37	324	356	0	81	320	0	0	0	0	0	U
2100	67	0	63	0	76	0	82	0	0	0	0	0	99	0	133	61	98	0	136	64	74	0	106	4	69	0	100	11	0	0	0	0	0	U
2200	74	0	78	0	105	0	101	0	0	0	0	0	66	0	108	36	66	0	102	31	53	0	83	25	46	0	78	18	0	0	0	0	0	U
2300	79	0	80	0	90	0	100	0	0	0	0	0	83	0	112	53	81	0	113	59	69	0	103	50	62	0	93	40	0	0	0	0	0	U
2400	62	0	59	0	74	0	78	0	0	0	0	0	94	0	120	71	91	0	123	60	81	0	104	42	75	0	101	56	0	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S	
100	298	0	303	0	291	0	291	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
200	298	0	302	0	291	0	291	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
300	300	0	305	0	294	0	294	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
400	302	0	305	0	294	0	294	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
500	311	0	314	0	305	0	305	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
600	298	0	303	0	293	0	293	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
700	289	0	289	0	278	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
800	284	0	287	0	276	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
900	284	0	287	0	276	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
1000	278	0	284	0	271	0	271	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
1100	275	0	280	0	267	0	267	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
1200	266	0	271	0	257	0	257	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
1300	269	0	273	0	258	0	258	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
1400	266	0	269	0	255	0	255	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
1500	260	0	266	0	249	0	249	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
1600	255	0	260	0	246	0	246	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
1700	253	0	257	0	244	0	244	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
1800	255	0	258	0	246	0	246	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
1900	255	0	258	0	246	0	246	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
2000	249	0	251	0	240	0	240	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
2100	219	0	222	0	208	0	208	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
2200	208	0	213	0	203	0	203	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
2300	194	0	199	0	188	0	188	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2
2400	186	0	190	0	181	0	181	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	2

STATUS CODES: DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 =.INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	82	0	77	0	98	0	100	0	0	0	0	0	102	0	133	78	100	0	133	68	88	0	107	69	84	0	108	61	0	0	0	0	0	U
200	20	0	18	0	34	0	36	0	0	0	0	0	163	3	269	93	124	3	177	13	151	0	227	97	149	0	226	97	0	0	0	0	0	U
300	25	0	22	0	37	0	39	0	0	0	0	0	154	0	196	90	151	3	192	103	155	0	172	133	153	0	170	132	0	0	0	0	0	U
400	28	0	24	0	82	0	48	0	0	0	0	0	172	0	244	99	176	3	260	103	175	0	201	147	170	0	198	94	0	0	0	0	0	U
500	33	0	27	0	85	0	48	0	0	0	0	0	186	0	260	114	180	3	256	118	182	0	206	159	182	0	232	160	0	0	0	0	0	U
600	33	0	31	0	64	0	63	0	0	0	0	0	158	0	211	118	159	0	210	114	166	0	179	148	161	0	177	144	0	0	0	0	0	U
700	45	0	42	0	28	0	80	0	0	0	0	0	148	0	169	113	148	0	195	92	155	0	176	125	151	0	164	123	0	0	0	0	0	U
800	67	0	64	0	108	0	101	0	0	0	0	0	157	0	180	124	156	0	188	118	164	0	181	138	162	0	176	141	0	0	0	0	0	U
900	51	0	46	0	74	0	64	0	0	0	0	0	176	0	210	133	175	0	211	136	178	0	200	154	177	0	251	159	0	0	0	0	0	U
1000	130	0	135	0	168	0	178	0	0	0	0	0	265	0	285	236	261	0	309	232	255	0	278	233	250	0	272	229	0	0	0	0	0	U
1100	115	0	114	0	141	0	150	0	0	0	0	0	252	0	283	221	249	0	284	215	248	0	277	224	242	0	274	210	0	0	0	0	0	U
1200	113	0	111	0	145	0	155	0	0	0	0	0	257	0	315	230	251	0	314	205	248	0	270	225	242	0	267	225	0	0	0	0	0	U
1300	106	0	107	0	126	0	135	0	0	0	0	0	260	0	292	214	256	0	287	205	253	0	285	236	248	0	274	232	0	0	0	0	0	U
1400	103	0	109	0	130	0	137	0	0	0	0	0	264	0	296	231	260	0	302	223	259	0	292	240	252	0	279	221	0	0	0	0	0	U
1500	108	0	105	0	139	0	126	0	0	0	0	0	277	0	328	243	271	0	323	237	276	0	312	249	268	0	305	236	0	0	0	0	0	U
1600	103	0	107	0	119	0	127	0	0	0	0	0	265	0	289	209	262	0	294	217	258	0	272	236	252	0	267	225	0	0	0	0	0	U
1700	96	0	95	0	108	0	116	0	0	0	0	0	270	0	299	235	265	0	288	232	266	0	301	240	259	0	290	232	0	0	0	0	0	U
1800	97	0	98	0	106	0	113	0	0	0	0	0	275	0	325	251	269	0	317	232	267	0	317	233	260	0	287	227	0	0	0	0	0	U
1900	74	0	69	0	87	0	96	0	0	0	0	0	278	0	330	241	272	0	321	227	277	0	325	189	270	0	314	243	0	0	0	0	0	U
2000	29	0	25	0	36	0	30	0	0	0	0	0	152	0	195	104	153	3	198	113	192	0	267	123	192	3	269	122	0	0	0	0	0	U
2100	25	0	22	0	32	0	25	0	0	0	0	0	179	3	357	97	177	3	350	97	198	3	257	93	149	3	266	97	0	0	0	0	0	U
2200	30	0	27	0	80	0	22	0	0	0	0	0	165	0	300	104	152	3	261	103	164	3	265	91	163	3	261	90	0	0	0	0	0	U
2300	27	0	23	0	32	0	25	0	0	0	0	0	116	0	170	72	118	0	177	64	73	3	169	4	70	3	165	7	0	0	0	0	0	U
2400	33	0	31	0	37	0	41	0	0	0	0	0	129	0	174	96	132	0	209	90	92	0	133	47	88	0	124	28	0	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	177	0	181	0	170	0	170	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
200	172	0	176	0	167	0	167	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
300	172	0	177	0	168	0	168	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
400	174	0	177	0	168	0	168	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
500	176	0	179	0	170	0	170	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
600	177	0	183	0	174	0	174	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
700	181	0	185	0	176	0	177	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
800	179	0	185	0	177	0	179	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
900	183	0	188	0	177	0	177	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
1000	239	0	242	0	231	0	231	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
1100	230	0	235	0	221	0	221	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
1200	213	0	219	0	204	0	204	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
1300	212	0	217	0	203	0	203	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
1400	212	0	215	0	203	0	203	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
1500	213	0	219	0	206	0	206	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
1600	217	0	221	0	208	0	208	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
1700	224	0	230	0	217	0	217	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
1800	230	00	233	0	222	0	222	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
1900	235	0	239	0	228	0	228	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
2000	217	0	222	0	222	0	222	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
2100	206	0	212	0	203	0	203	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
2200	206	0	210	0	213	0	213	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
2300	208	0	212	0	213	0	213	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4
2400	208	0	212	0	213	0	213	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U	4

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S
100	59	0	52	0	84	0	84	0	0	0	0	0	13	0	83	3
200	92	0	87	0	131	0	131	0	0	0	0	0	341	0	5	2
300	97	0	94	0	127	0	128	0	0	0	0	0	330	0	351	2
400	69	0	71	0	91	0	88	0	0	0	0	0	50	0	85	2
500	61	0	65	0	71	0	83	0	0	0	0	0	65	0	109	3
600	96	0	100	0	139	0	136	0	0	0	0	0	61	0	91	3
700	95	0	104	0	113	0	134	0	0	0	0	0	67	0	90	4
800	85	0	91	0	100	0	120	0	0	0	0	0	67	0	99	3
900	68	0	74	0	79	0	95	0	0	0	0	0	69	0	87	4
1000	109	0	122	0	136	0	147	0	0	0	0	0	64	0	85	9
1100	105	0	111	0	117	0	133	0	0	0	0	0	58	0	99	2
1200	142	0	153	0	161	0	180	0	0	0	0	0	53	0	85	3
1300	153	0	146	0	143	0	170	0	0	0	0	0	39	0	83	1
1400	134	0	135	0	135	0	162	0	0	0	0	0	45	0	79	7
1500	108	0	112	0	134	0	139	0	0	0	0	0	49	0	263	2
1600	118	0	114	0	158	0	156	0	0	0	0	0	35	0	73	35
1700	146	0	139	0	179	0	176	0	0	0	0	0	31	0	59	3
1800	132	0	125	0	200	0	195	0	0	0	0	0	21	0	54	34
1900	91	0	86	0	104	0	112	0	0	0	0	0	85	0	137	2
2000	83	0	82	0	142	0	116	0	0	0	0	0	41	0	126	32
2100	101	0	92	0	141	0	137	0	0	0	0	0	35	0	122	28
2200	63	0	59	0	88	0	71	0	0	0	0	0	120	0	143	9
2300	72	0	67	0	75	0	77	0	0	0	0	0	114	0	130	10
2400	75	0	70	0	89	0	90	0	0	0	0	0	111	0	132	9

	WIND DIR2 / 150A	S	MIN	MAX	WIND DIR3 150B	S	MIN	MAX	WIND DIR4	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	310	0	85	312	357	0	34	311	353	0	87	295	0	0	0	0	0	0
200	330	0	35	272	336	0	4	313	326	0	349	307	0	0	0	0	0	0
300	323	0	40	275	326	0	4	299	315	0	333	280	0	0	0	0	0	0
400	54	0	91	7	38	0	65	13	31	0	57	2	0	0	0	0	0	0
500	63	0	115	25	60	0	100	32	5	0	90	24	0	0	0	0	0	0
600	62	0	108	16	48	0	84	26	41	0	87	14	0	0	0	0	0	0
700	67	0	97	27	57	0	83	38	50	0	74	27	0	0	0	0	0	0
800	67	0	97	12	58	0	80	30	53	0	91	23	0	0	0	0	0	0
900	68	0	93	33	56	0	93	24	50	0	70	22	0	0	0	0	0	0
1000	67	0	103	22	55	0	82	31	49	0	72	26	0	0	0	0	0	0
1100	59	0	99	0	49	0	80	24	41	0	69	7	0	0	0	0	0	0
1200	53	0	87	10	44	0	74	20	38	0	64	10	0	0	0	0	0	0
1300	39	0	97	3	30	0	59	0	24	0	119	337	0	0	0	0	0	0
1400	43	0	92	11	34	0	60	12	27	0	61	7	0	0	0	0	0	0
1500	46	0	91	316	33	0	58	340	25	0	50	331	0	0	0	0	0	0
1600	31	0	103	345	21	0	50	341	17	0	85	333	0	0	0	0	0	0
1700	26	0	75	356	15	0	54	351	10	0	108	349	0	0	0	0	0	0
1800	13	0	64	311	0	0	26	318	2	0	123	312	0	0	0	0	0	0
1900	82	0	139	13	67	0	111	8	62	0	112	1	0	0	0	0	0	0
2000	38	0	142	275	21	0	110	307	15	0	97	301	0	0	0	0	0	0
2100	25	0	134	277	24	0	100	324	14	0	101	298	0	0	0	0	0	0
2200	120	0	147	97	104	0	128	65	99	0	125	62	0	0	0	0	0	0
2300	115	0	136	91	97	0	118	82	92	0	108	73	0	0	0	0	0	0
2400	110	0	136	81	96	0	127	77	91	0	118	73	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	231	0	235	0	233	0	233	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
200	246	0	251	0	240	0	240	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
300	253	0	258	0	246	0	248	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
400	224	0	228	0	217	0	217	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
500	210	0	213	0	203	0	203	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
600	199	0	204	0	192	0	194	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
700	179	0	183	0	174	0	174	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
800	174	0	177	0	167	0	168	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
900	167	0	172	0	161	0	161	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	167	0	170	0	158	0	158	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	167	0	170	0	156	0	156	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	172	0	176	0	163	0	163	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	185	0	188	0	177	0	177	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	190	0	194	0	181	0	181	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	194	0	197	0	185	0	185	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	203	0	208	0	195	0	195	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	210	0	215	0	203	0	203	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	199	0	203	0	192	0	192	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	161	0	167	0	154	0	154	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	165	0	170	0	167	0	167	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	185	0	188	0	183	0	183	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	145	0	150	0	141	0	143	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	141	0	147	0	136	0	136	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	133	0	141	0	131	0	132	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	68	0	63	0	79	0	81	0	0	0	0	0	94	0	118	75	93	0	122	75	81	0	103	65	75	0	98	56	0	0	0	0	0		
200	81	0	80	0	94	0	100	0	0	0	0	0	85	0	115	63	81	0	114	59	74	0	99	58	69	0	98	54	0	0	0	0	0		
300	70	0	66	0	87	0	89	0	0	0	0	0	96	0	122	58	93	0	131	54	79	0	99	61	74	0	101	56	0	0	0	0	0		
400	70	0	67	0	87	0	90	0	0	0	0	0	88	0	113	68	83	0	107	64	75	0	89	58	69	0	85	56	0	0	0	0	0		
500	72	0	69	0	92	0	94	0	0	0	0	0	98	0	116	79	96	0	125	68	81	0	100	69	75	0	99	54	0	0	0	0	0		
600	57	0	53	0	75	0	80	0	0	0	0	0	89	0	115	71	87	0	120	63	71	0	95	48	65	0	86	40	0	0	0	0	0		
700	53	0	98	0	65	0	68	0	0	0	0	0	108	0	135	80	108	0	136	78	92	0	118	59	88	0	112	43	0	0	0	0	0		
800	73	0	67	0	105	0	105	0	0	0	0	0	106	0	129	84	107	0	131	74	86	0	111	69	81	0	109	62	0	0	0	0	0		
900	85	0	82	0	124	0	125	0	0	0	0	0	103	0	117	82	104	0	125	78	85	0	103	66	80	0	96	67	0	0	0	0	0		
1000	93	0	90	0	135	0	135	0	0	0	0	0	97	0	130	79	95	0	139	62	82	0	109	68	76	0	101	58	0	0	0	0	0		
1100	58	0	52	0	69	0	68	0	0	0	0	0	103	0	127	71	104	0	159	67	88	0	129	37	89	0	119	49	0	0	0	0	0		
1200	57	0	55	0	69	0	63	0	0	0	0	0	126	0	160	101	128	0	175	96	118	0	143	81	114	0	159	78	0	0	0	0	0		
1300	66	0	67	0	87	0	74	0	0	0	0	0	70	0	95	30	70	0	104	16	61	0	107	8	54	0	96	6	0	0	0	0	0		
1400	59	0	61	0	66	0	70	0	0	0	0	0	43	0	78	12	39	0	85	350	22	0	70	324	23	0	128	294	0	0	0	0	0		
1500	21	0	18	0	16	0	20	0	0	0	0	0	115	3	177	81	113	3	176	63	104	3	172	15	96	3	167	3	0	0	0	0	0		
1600	43	0	42	0	36	0	40	0	0	0	0	0	100	0	157	19	101	0	170	53	99	0	171	12	100	0	170	29	0	0	0	0	0		
1700	73	2	71	2	88	2	94	2	0	0	0	0	296	2	359	242	292	2	357	227	311	2	357	246	304	2	356	240	0	0	0	0	0		
1800	99	0	91	0	134	0	121	0	0	0	0	0	29	0	57	357	23	0	83	340	13	0	39	350	16	0	118	340	0	0	0	0	0		
1900	91	0	87	0	130	0	111	0	0	0	0	0	34	0	80	8	29	0	87	338	24	0	66	352	21	0	114	345	0	0	0	0	0		
2000	103	0	104	0	139	0	135	0	0	0	0	0	57	0	102	8	57	0	121	3	48	0	106	6	43	0	101	3	0	0	0	0	0		
2100	88	0	88	0	105	0	119	0	0	0	0	0	79	0	106	60	76	0	109	40	67	0	87	49	61	0	81	40	0	0	0	0	0		
2200	96	0	94	0	145	0	151	0	0	0	0	0	88	0	106	73	86	0	121	64	71	0	82	61	65	0	79	52	0	0	0	0	0		
2300	99	0	97	0	137	0	148	0	0	0	0	0	79	0	100	58	76	0	102	59	64	0	76	52	57	0	67	45	0	0	0	0	0		
2400	86	0	85	0	126	0	137	0	0	0	0	0	81	0	96	64	77	0	98	55	68	0	82	58	61	0	74	44	0	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	132	0	138	0	127	0	127	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
200	129	0	132	0	122	0	123	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
300	127	0	131	0	122	0	122	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
400	129	0	132	0	122	0	123	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
500	127	0	131	0	122	0	122	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
600	127	0	131	0	122	0	122	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
700	127	0	132	0	125	0	125	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
800	111	0	114	0	114	0	114	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
900	109	0	113	0	111	0	111	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1000	123	0	127	0	116	0	116	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1100	145	0	149	0	132	0	132	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1200	163	0	168	0	154	0	154	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1300	181	0	185	0	172	0	170	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1400	199	0	201	0	190	0	190	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1500	197	0	199	0	192	0	192	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1600	176	0	181	0	170	0	170	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1700	206	2	212	2	209	2	206	2	320	0	320	0	1	2	-5	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1800	224	0	228	0	217	0	219	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1900	222	0	226	0	215	0	215	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2000	213	0	217	0	204	0	204	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2100	161	0	167	0	156	0	156	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2200	131	0	134	0	136	0	136	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2300	111	0	116	0	118	0	118	0	320	0	320	0	7	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2400	96	0	102	0	104	0	104	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	111	0	106	0	166	0	157	0	0	0	0	0	86	0	99	77	83	0	97	64	73	0	77	69	66	0	72	63	0	0	0	0	0	0
200	91	0	87	0	139	0	140	0	0	0	0	0	112	0	116	108	112	0	121	104	92	0	99	87	86	0	92	81	0	0	0	0	0	0
300	97	0	94	0	133	0	136	0	0	0	0	0	122	0	135	114	123	0	139	110	98	0	108	92	93	0	104	87	0	0	0	0	0	0
400	87	0	93	0	127	0	129	0	0	0	0	0	126	0	140	118	126	0	143	116	101	0	109	99	98	0	108	93	0	0	0	0	0	0
500	71	0	68	0	103	0	106	0	0	0	0	0	130	0	136	123	131	0	138	125	106	0	111	102	103	0	106	98	0	0	0	0	0	0
600	79	0	75	0	116	0	119	0	0	0	0	0	117	0	122	111	116	0	121	109	106	0	110	104	102	0	106	99	0	0	0	0	0	0
700	79	0	77	0	108	0	112	0	0	0	0	0	123	0	126	120	124	0	126	120	110	0	111	108	106	0	107	105	0	0	0	0	0	0
800	76	0	73	0	100	0	105	0	0	0	0	0	138	0	145	133	138	0	143	130	122	0	127	118	118	0	123	116	0	0	0	0	0	0
900	60	0	57	0	77	0	82	0	0	0	0	0	138	0	151	129	138	0	147	126	134	0	141	127	131	0	139	125	0	0	0	0	0	0
1000	36	0	34	0	77	0	82	0	0	0	0	0	146	0	186	122	146	0	187	122	159	0	166	145	154	0	160	143	0	0	0	0	0	0
1100	43	0	44	0	47	0	52	0	0	0	0	0	127	0	205	91	126	0	192	90	134	0	166	105	131	0	164	105	0	0	0	0	0	0
1200	72	0	69	0	66	0	69	0	0	0	0	0	113	0	130	92	113	0	135	92	110	0	142	92	107	0	135	91	0	0	0	0	0	0
1300	70	0	70	0	71	0	76	0	0	0	0	0	123	0	151	75	125	0	168	90	112	0	138	85	110	0	132	81	0	0	0	0	0	0
1400	78	0	74	0	78	0	83	0	0	0	0	0	118	0	140	86	121	0	146	91	108	0	129	70	107	0	130	64	0	0	0	0	0	0
1500	57	0	55	0	55	0	59	0	0	0	0	0	98	0	132	48	100	0	142	59	94	0	142	64	89	0	142	55	0	0	0	0	0	0
1600	50	0	47	0	82	0	55	0	0	0	0	0	111	0	136	77	114	0	138	69	100	0	128	68	97	0	124	62	0	0	0	0	0	0
1700	36	0	33	0	39	0	42	0	0	0	0	0	93	0	133	67	93	0	143	59	76	0	97	57	74	0	97	56	0	0	0	0	0	0
1800	28	0	30	0	46	0	50	0	0	0	0	0	67	0	73	58	63	0	72	51	67	0	71	59	63	0	68	56	0	0	0	0	0	0
1900	75	0	68	0	108	0	108	0	0	0	0	0	88	0	95	82	86	0	96	74	85	0	87	82	81	0	85	78	0	0	0	0	0	0
2000	93	0	89	0	151	0	153	0	0	0	0	0	92	0	111	77	90	0	119	68	91	0	93	86	88	0	90	80	0	0	0	0	0	0
2100	92	0	87	0	169	0	169	0	0	0	0	0	101	0	113	91	101	0	120	80	98	0	101	96	96	0	97	92	0	0	0	0	0	0
2200	77	0	73	0	131	0	126	0	0	0	0	0	114	0	119	109	115	0	129	109	110	0	118	107	108	0	112	105	0	0	0	0	0	0
2300	86	0	82	0	128	0	134	0	0	0	0	0	115	0	120	108	115	0	128	103	112	0	119	109	110	0	115	105	0	0	0	0	0	0
2400	88	0	84	0	136	0	142	0	0	0	0	0	118	0	123	113	120	0	130	107	116	0	120	114	115	0	118	112	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	93	0	96	0	104	0	104	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	80	0	84	0	98	0	100	0	320	0	320	0	19	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	80	0	84	0	107	0	107	0	320	0	320	0	27	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	75	0	78	0	100	0	100	0	320	0	320	0	25	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	77	0	82	0	91	0	93	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	77	0	82	0	93	0	95	0	320	0	320	0	18	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	68	0	71	0	84	0	84	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	46	0	51	0	82	0	82	0	320	0	320	0	34	0	30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	62	0	68	0	86	0	86	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	73	0	77	0	84	0	84	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	122	0	125	0	102	0	104	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	109	0	113	0	98	0	100	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	138	0	141	0	123	0	123	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	152	0	158	0	141	0	141	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	183	0	185	0	170	0	170	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	186	0	190	0	177	0	177	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	183	0	186	0	176	0	176	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	159	0	167	0	170	0	172	0	320	0	320	0	10	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	159	0	165	0	167	0	167	0	320	0	320	0	7	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	141	0	147	0	168	0	170	0	320	0	320	0	27	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	132	0	136	0	170	0	170	0	320	0	320	0	37	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	132	0	136	0	156	0	156	0	320	0	320	0	25	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	131	0	136	0	154	0	154	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	127	0	131	0	149	0	149	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	68	0	66	0	106	0	112	0	0	0	0	0	124	0	132	120	125	0	132	120	125	0	127	122	123	0	126	121	0	0	0	0	U
200	95	0	91	0	130	0	135	0	0	0	0	0	114	0	119	108	115	0	126	106	117	0	120	114	116	0	119	112	0	0	0	0	U
300	98	0	96	0	141	0	147	0	0	0	0	0	116	0	124	106	118	0	130	107	120	0	124	116	119	0	122	116	0	0	0	0	U
400	92	0	88	0	135	0	142	0	0	0	0	0	118	0	127	104	119	0	137	102	119	0	130	109	118	0	125	109	0	0	0	0	U
500	95	0	90	0	134	0	130	0	0	0	0	0	116	0	130	96	118	0	142	97	112	0	130	96	110	0	125	96	0	0	0	0	U
600	150	0	147	0	190	0	196	0	0	0	0	0	115	0	129	102	117	0	135	91	109	0	117	98	107	0	118	99	0	0	0	0	U
700	136	0	134	0	173	0	180	0	0	0	0	0	121	0	130	107	121	0	137	102	116	0	131	103	114	0	129	100	0	0	0	0	U
800	117	0	115	0	147	0	158	0	0	0	0	0	123	0	137	110	124	0	146	93	122	0	139	109	120	0	131	106	0	0	0	0	U
900	111	0	108	0	133	0	135	0	0	0	0	0	122	0	135	108	123	0	147	96	115	0	135	102	114	0	134	100	0	0	0	0	U
1000	136	0	131	0	163	0	169	0	0	0	0	0	121	0	135	103	121	0	141	88	114	0	132	97	112	0	123	95	0	0	0	0	U
1100	149	0	146	0	171	0	177	0	0	0	0	0	121	0	137	103	123	0	146	86	115	0	127	98	113	0	127	97	0	0	0	0	U
1200	139	0	140	0	166	0	175	0	0	0	0	0	124	0	145	110	127	0	156	107	118	0	135	101	116	0	139	99	0	0	0	0	U
1300	104	0	105	0	137	0	133	0	0	0	0	0	126	0	178	103	126	0	147	102	123	0	149	106	121	0	142	105	0	0	0	0	U
1400	130	0	127	0	139	0	146	0	0	0	0	0	118	0	135	106	118	0	136	96	114	0	132	105	112	0	126	101	0	0	0	0	U
1500	113	0	110	0	127	0	130	0	0	0	0	0	115	0	137	97	116	0	145	75	105	0	120	86	103	0	119	83	0	0	0	0	U
1600	126	0	119	0	158	0	161	0	0	0	0	0	112	0	128	90	111	0	137	79	103	0	121	86	100	0	118	79	0	0	0	0	U
1700	118	0	111	0	140	0	142	0	0	0	0	0	113	0	132	87	113	0	143	80	109	0	125	80	101	0	119	67	0	0	0	0	U
1800	113	0	109	0	142	0	147	0	0	0	0	0	110	0	134	85	110	0	137	80	101	0	124	69	99	0	123	79	0	0	0	0	U
1900	108	0	105	0	141	0	143	0	0	0	0	0	96	0	123	78	97	0	126	70	90	0	109	76	87	0	107	60	0	0	0	0	U
2000	87	0	86	0	126	0	128	0	0	0	0	0	93	0	122	68	91	0	131	61	84	0	103	70	81	0	96	68	0	0	0	0	U
2100	108	0	105	0	144	0	146	0	0	0	0	0	89	0	108	70	88	0	125	64	81	0	92	65	76	0	87	58	0	0	0	0	U
2200	126	0	122	0	153	0	150	0	0	0	0	0	92	0	120	68	91	0	132	64	84	0	103	65	80	0	95	67	0	0	0	0	U
2300	111	0	108	0	149	0	150	0	0	0	0	0	94	0	117	73	92	0	121	64	83	0	97	70	79	0	92	66	0	0	0	0	U
2400	127	0	120	0	173	0	173	0	0	0	0	0	95	0	116	80	94	0	121	68	86	0	101	74	82	0	96	74	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 160A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 160A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	120	0	123	0	140	0	140	0	320	0	320	0	19	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
200	114	0	118	0	136	0	136	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
300	111	0	114	0	134	0	134	0	320	0	320	0	23	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
400	122	0	127	0	138	0	140	0	320	0	320	0	18	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
500	143	0	147	0	140	0	141	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
600	141	0	147	0	143	0	143	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
700	158	0	161	0	154	0	154	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
800	158	0	163	0	156	0	156	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
900	170	0	174	0	163	0	163	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
1000	177	0	181	0	168	0	168	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
1100	199	0	197	0	185	0	185	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
1200	203	0	208	0	194	0	194	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
1300	221	0	226	0	210	0	210	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
1400	235	0	239	0	232	0	222	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
1500	242	0	248	0	233	0	233	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
1600	249	0	253	0	242	0	242	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
1700	255	0	258	0	248	0	248	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
1800	253	0	258	0	248	0	248	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
1900	251	0	255	0	248	0	248	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
2000	246	0	249	0	244	0	244	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
2100	240	0	244	0	237	0	237	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
2200	240	0	244	0	235	0	237	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
2300	230	0	235	0	228	0	228	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	
2400	[illegible]	0	226	0	231	0	222	0	320	0	320	0	0	0	-3	0	[illegible]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	

STATUS [illegible]E(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVA[illegible], 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6		
														50 B	S				150A	S			150B	S			S			S		
100	115	0	111	0	163	0	164	0	0	0	0	0	99	0	117	79	99	0	125	64	90	0	108	71	87	0	102	72	0	0	0	0	0		
200	104	0	100	0	144	0	145	0	0	0	0	0	96	0	116	73	96	0	126	68	88	0	101	79	84	0	93	70	0	0	0	0	0		
00	121	0	116	0	172	0	171	0	0	0	0	0	97	0	123	81	96	0	126	75	87	0	117	60	83	0	96	68	0	0	0	0	0		
400	53	2	47	2	64	2	67	2	0	0	0	0	251	2	346	190	247	2	317	181	223	2	268	120	220	2	266	121	0	0	0	0	0		
500	101	0	95	0	136	0	137	0	0	0	0	0	97	0	118	78	94	0	127	64	89	0	101	75	85	0	101	63	0	0	0	0	0		
600	117	0	113	0	144	0	148	0	0	0	0	0	87	0	104	70	85	0	115	63	75	0	108	58	71	0	89	52	0	0	0	0	0		
700	147	0	143	0	189	0	188	0	0	0	0	0	93	0	123	72	90	0	122	63	84	0	98	63	80	0	95	63	0	0	0	0	0		
800	138	0	132	0	180	0	178	0	0	0	0	0	92	0	113	74	89	0	131	64	80	0	96	61	76	0	89	63	0	0	0	0	0		
900	127	0	122	0	177	0	179	0	0	0	0	0	100	0	128	80	100	0	141	55	88	0	109	69	89	0	110	68	0	0	0	0	0		
1000	139	0	136	0	176	0	179	0	0	0	0	0	112	0	132	91	114	0	142	88	102	0	120	84	99	0	117	70	0	0	0	0	0		
1100	158	0	151	0	172	0	174	0	0	0	0	0	116	0	135	84	117	0	144	82	102	0	120	75	101	0	122	68	0	0	0	0	0		
1200	101	0	176	0	217	0	222	0	0	0	0	0	117	0	137	104	118	0	147	89	110	0	126	93	108	0	124	90	0	0	0	0	0		
1300	172	0	171	0	209	0	214	0	0	0	0	0	114	0	136	92	117	0	142	81	105	0	118	87	103	0	119	84	0	0	0	0	0		
1400	169	0	164	0	215	0	213	0	0	0	0	0	108	0	128	79	110	0	147	87	98	0	119	75	97	0	123	78	0	0	0	0	0		
1500	123	0	118	0	159	0	163	0	0	0	0	0	106	0	131	84	106	0	143	76	99	0	127	75	96	0	124	75	0	0	0	0	0		
1600	126	0	123	0	171	0	176	0	0	0	0	0	103	0	130	76	104	0	136	69	95	0	111	69	92	0	133	68	0	0	0	0	0		
1700	145	0	139	0	192	0	196	0	0	0	0	0	109	0	127	78	109	0	132	78	96	0	116	80	94	0	115	78	0	0	0	0	0		
1800	162	0	151	0	214	0	215	0	0	0	0	0	104	0	125	84	104	0	136	76	95	0	114	70	92	0	115	76	0	0	0	0	0		
1900	155	0	150	0	208	0	211	0	0	0	0	0	102	0	119	83	109	0	142	73	94	0	111	80	92	0	109	77	0	0	0	0	0		
2000	160	0	155	0	212	0	215	0	0	0	0	0	107	0	124	85	107	0	132	76	97	0	110	77	97	0	112	78	0	0	0	0	0		
2100	197	0	193	0	247	0	254	0	0	0	0	0	113	0	132	89	114	0	148	82	104	0	127	86	102	0	122	80	0	0	0	0	0		
2200	184	0	175	0	233	0	237	0	0	0	0	0	111	0	130	89	113	0	149	69	101	0	122	80	100	0	119	78	0	0	0	0	0		
2300	160	0	153	0	203	0	205	0	0	0	0	0	109	0	127	88	110	0	143	81	101	0	122	76	99	0	118	79	0	0	0	0	0		
2400	160	0	157	0	199	0	202	0	0	0	0	0	113	0	130	92	115	0	136	89	106	0	123	86	105	0	122	86	0	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	213	0	219	0	233	0	213	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
200	217	0	222	0	233	0	213	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
300	221	0	224	0	235	0	217	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
400	221	2	224	2	237	2	217	2	320	0	320	0	-3	2	-5	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
500	224	0	228	0	231	0	221	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
600	219	0	222	0	233	0	213	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
700	221	0	226	0	235	0	215	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
800	221	0	226	0	219	0	219	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
900	229	0	231	0	231	0	221	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1000	258	0	264	0	249	0	249	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1100	291	0	296	0	282	0	282	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1200	311	0	316	0	302	0	302	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1300	354	0	357	0	341	0	341	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1400	370	0	375	0	361	0	361	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1500	361	0	366	0	354	0	354	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1600	361	0	366	0	356	0	356	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1700	361	0	366	0	356	0	356	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1800	352	0	357	0	348	0	348	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1900	345	0	348	0	341	0	341	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2000	339	0	345	0	336	0	336	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2100	330	0	336	0	325	0	327	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2200	316	0	321	0	311	0	311	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2300	305	0	309	0	298	0	298	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2400	314	0	321	0	307	0	307	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	161	0	152	0	197	0	199	0	0	0	0	0	110	0	126	93	111	0	138	87	100	0	116	85	98	0	131	81	0	0	0	0	0
200	171	0	161	0	216	0	218	0	0	0	0	0	111	0	123	89	113	0	148	87	101	0	121	80	99	0	122	78	0	0	0	0	0
300	158	0	149	0	205	0	209	0	0	0	0	0	109	0	126	94	107	0	132	80	99	0	110	84	98	0	112	85	0	0	0	0	0
400	172	0	166	0	210	0	223	0	0	0	0	0	108	0	124	91	108	0	142	76	99	0	111	86	97	0	108	86	0	0	0	0	0
500	182	0	175	0	213	0	225	0	0	0	0	0	111	0	123	96	111	0	136	87	101	0	116	88	100	0	114	78	0	0	0	0	0
600	132	0	130	0	145	0	159	0	0	0	0	0	111	0	129	94	113	0	137	85	104	0	116	92	103	0	119	87	0	0	0	0	0
700	118	0	114	0	134	0	134	0	0	0	0	0	110	0	124	90	113	0	142	87	101	0	122	86	101	0	122	77	0	0	0	0	0
800	101	0	100	0	101	0	111	0	0	0	0	0	116	0	136	98	120	0	136	92	108	0	123	96	108	0	122	90	0	0	0	0	0
900	76	0	79	0	76	0	88	0	0	0	0	0	118	0	127	101	122	0	143	99	112	0	119	103	111	0	131	90	0	0	0	0	0
1000	81	0	84	0	75	0	85	0	0	0	0	0	119	0	133	98	124	0	146	104	115	0	126	104	112	0	122	100	0	0	0	0	0
1100	78	0	78	0	69	0	81	0	0	0	0	0	119	0	132	98	124	0	154	87	115	0	130	102	115	0	131	100	0	0	0	0	0
1200	104	0	110	0	61	0	73	0	0	0	0	0	124	0	145	112	127	0	160	98	121	0	138	106	120	0	137	102	0	0	0	0	0
1300	103	0	103	0	98	0	91	0	0	0	0	0	125	0	153	110	128	0	147	98	123	0	138	103	123	0	139	109	0	0	0	0	0
1400	88	0	88	0	99	0	117	0	0	0	0	0	126	0	146	106	128	0	158	95	126	0	143	113	125	0	146	108	0	0	0	0	0
1500	77	0	79	0	105	0	108	0	0	0	0	0	132	0	156	110	134	0	168	114	128	0	147	104	127	0	145	104	0	0	0	0	0
1600	89	0	87	0	120	0	125	0	0	0	0	0	127	0	153	100	129	0	146	92	126	0	141	109	124	0	141	107	0	0	0	0	0
1700	99	0	97	0	132	0	141	0	0	0	0	0	128	0	141	112	131	0	148	115	127	0	147	112	125	0	142	108	0	0	0	0	0
1800	96	0	94	0	131	0	146	0	0	0	0	0	131	0	155	106	134	0	166	112	130	0	147	117	129	0	142	119	0	0	0	0	0
1900	80	0	82	0	128	0	129	0	0	0	0	0	132	0	156	116	136	0	168	119	132	0	149	120	131	0	147	121	0	0	0	0	0
2000	90	0	88	0	134	0	124	0	0	0	0	0	127	0	140	116	129	0	151	103	125	0	138	114	124	0	135	113	0	0	0	0	0
2100	72	0	73	0	101	0	112	0	0	0	0	0	130	0	145	119	133	0	152	119	131	0	147	119	130	0	142	119	0	0	0	0	0
2200	61	0	63	0	103	0	108	0	0	0	0	0	139	0	163	124	139	0	169	120	140	0	154	127	140	0	147	130	0	0	0	0	0
2300	64	0	65	0	107	0	111	0	0	0	0	0	133	0	148	121	136	0	165	120	140	0	147	131	139	0	145	131	0	0	0	0	0
2400	42	0	39	0	49	0	70	0	0	0	0	0	151	0	190	118	151	0	186	119	161	0	178	141	157	0	176	135	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	KAAN	S
100	305	0	311	0	300	0	300	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	314	0	321	0	309	0	309	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
300	314	0	321	0	309	0	309	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	316	0	320	0	311	0	311	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	311	0	314	0	305	0	305	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	307	0	312	0	303	0	303	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	311	0	314	0	305	0	305	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	316	0	320	0	311	0	311	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	316	0	321	0	312	0	312	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	320	0	323	0	314	0	314	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	323	0	329	0	321	0	321	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	330	0	336	0	325	0	325	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	332	0	338	0	327	0	327	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	334	0	339	0	330	0	330	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	338	0	343	0	332	0	332	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	339	0	343	0	334	0	334	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	338	0	343	0	334	0	334	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	338	0	343	0	334	0	336	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	338	0	341	0	336	0	336	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	333	0	343	0	336	0	336	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	336	0	341	0	334	0	334	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	336	0	339	0	334	0	334	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	334	0	338	0	334	0	334	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	336	0	341	0	334	0	336	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		

STAT[illegible]ODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = I[illegible].D, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1			WIND DIR2			WIND DIR3			WIND DIR4			WIND DIR5			WIND DIR6		
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S	50	B	S	150A		S	150B		S			S			S			S
100	50	0	45	0	91	0	83	0	0	0	0	0	168	0	206	121	169	0	213	109	172	0	190	147	168	0	216	148	0	0	0	0	0	0
200	46	0	35	0	70	0	61	0	0	0	0	0	200	0	235	137	201	0	260	161	193	0	209	164	190	0	265	164	0	0	0	0	0	0
300	37	0	35	0	73	0	64	0	0	0	0	0	175	0	226	115	177	0	243	125	178	0	203	149	177	0	224	152	0	0	0	0	0	0
400	27	0	22	0	48	0	45	0	0	0	0	0	160	0	189	127	160	3	201	125	171	0	186	150	168	0	188	147	0	0	0	0	0	0
500	29	0	22	0	54	0	47	0	0	0	0	0	185	0	246	121	181	3	227	124	181	0	201	160	181	0	227	160	0	0	0	0	0	0
600	51	0	44	0	72	0	77	0	0	0	0	0	232	0	274	198	230	0	282	192	225	0	246	191	220	0	247	187	0	0	0	0	0	0
700	39	0	33	0	60	0	56	0	0	0	0	0	232	0	284	193	230	0	267	182	227	0	255	186	224	0	250	199	0	0	0	0	0	0
800	26	0	20	0	60	0	44	0	0	0	0	0	181	0	259	102	179	3	255	108	183	0	198	160	183	0	238	158	0	0	0	0	0	0
900	51	0	42	0	63	0	65	0	0	0	0	0	224	0	261	188	222	0	266	175	186	0	187	186	211	0	235	186	0	0	0	0	0	0
1000	42	0	31	0	62	0	55	0	0	0	0	0	199	0	252	96	197	0	261	125	187	0	187	187	187	0	222	146	0	0	0	0	0	0
1100	54	0	41	0	68	0	60	0	0	0	0	0	216	0	264	130	214	0	266	118	198	0	231	159	196	0	262	133	0	0	0	0	0	0
1200	37	0	29	0	52	0	47	0	0	0	0	0	210	0	268	147	212	3	267	134	197	0	231	139	194	0	242	151	0	0	0	0	0	0
1300	40	0	35	0	63	0	55	0	0	0	0	0	246	0	286	191	242	0	277	180	226	0	277	184	222	0	267	187	0	0	0	0	0	0
1400	37	0	34	0	55	0	58	0	0	0	0	0	253	0	289	206	250	0	288	203	229	0	262	188	222	0	275	193	0	0	0	0	0	0
1500	41	0	37	0	54	0	58	0	0	0	0	0	250	0	286	220	246	0	299	220	230	0	256	184	225	0	248	185	0	0	0	0	0	0
1600	48	0	43	0	72	0	55	0	0	0	0	0	241	0	279	181	239	0	272	192	232	0	256	194	227	0	243	187	0	0	0	0	0	0
1700	39	0	33	0	64	0	59	0	0	0	0	0	238	0	291	190	235	0	282	187	231	0	255	204	225	0	243	197	0	0	0	0	0	0
1800	57	0	51	0	76	0	78	0	0	0	0	0	235	0	262	206	231	0	266	192	224	0	245	194	219	0	244	185	0	0	0	0	0	0
1900	46	0	39	0	65	0	69	0	0	0	0	0	232	0	281	193	228	0	266	176	226	0	252	199	221	0	243	192	0	0	0	0	0	0
2000	50	0	46	0	73	0	78	0	0	0	0	0	240	0	284	189	236	0	272	180	231	0	259	204	225	0	247	203	0	0	0	0	0	0
2100	69	0	66	0	101	0	105	0	0	0	0	0	242	0	286	213	239	0	282	192	229	0	256	206	223	0	242	199	0	0	0	0	0	0
2200	89	0	86	0	135	0	132	0	0	0	0	0	243	0	265	213	240	0	266	199	236	0	249	217	230	0	240	214	0	0	0	0	0	0
2300	117	0	114	0	149	0	158	0	0	0	0	0	248	0	268	231	243	0	276	214	243	0	251	227	238	0	246	225	0	0	0	0	0	0
2400	105	0	106	0	161	0	173	0	0	0	0	0	264	0	293	226	260	0	306	214	257	0	264	237	252	0	258	234	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1			D.T. 2			D.T. 3			D.T. 4			MISC 1			MISC 2			MISC 3			MISC 4			MISC 5			MISC 6			MISC 7			RAIN
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A		S	180B		S			S			S			S			S			S			S			S			S			S	
100	338	0	341	0	334	0	334	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
200	334	0	339	0	330	0	332	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
300	332	0	338	0	330	0	330	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
400	332	0	336	0	329	0	329	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
500	325	0	330	0	321	0	321	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
600	316	0	321	0	314	0	314	0	320	0	320	0	1	0		-5	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
700	314	0	320	0	312	0	312	0	320	0	320	0	-1	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
800	314	0	321	0	309	0	311	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
900	311	0	316	0	305	0	305	0	320	0	320	0	-7	0		-9	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1000	312	0	321	0	303	0	303	0	320	0	320	0	-9	0		-12	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1100	320	0	323	0	307	0	307	0	320	0	320	0	-10	0		-16	0		0	0		0	0		322	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1200	320	0	323	0	311	0	311	0	320	0	320	0	-9	0		-12	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1300	321	0	327	0	312	0	312	0	320	0	320	0	-9	0		-14	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1400	320	0	323	0	312	0	312	0	320	0	320	0	-7	0		-10	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1500	321	0	327	0	314	0	314	0	320	0	320	0	-7	0		-10	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1600	320	0	323	0	314	0	314	0	320	0	320	0	-5	0		-9	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1700	321	0	321	0	312	0	312	0	320	0	320	0	-5	0		-9	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1800	321	0	321	0	314	0	314	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1900	320	0	325	0	316	0	316	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
2000	320	0	325	0	316	0	316	0	320	0	320	0	-5	0		-9	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
2100	321	0	327	0	318	0	318	0	320	0	320	0	-5	0		-9	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
2200	321	0	327	0	318	0	318	0	320	0	320	0	-5	0		-9	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
2300	325	0	329	0	320	0	320	0	320	0	320	0	-5	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
2400	330	0	334	0	327	0	327	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 U	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	97	0	98	0	148	0	158	0	0	0	0	0	263	0	283	240	261	0	304	227	258	0	277	240	253	0	260	242	0	0	0	0	0
200	101	0	100	0	155	0	167	0	0	0	0	0	261	0	286	233	258	0	300	224	256	0	273	241	251	0	258	236	0	0	0	0	0
300	72	0	68	0	97	0	105	0	0	0	0	0	249	0	290	225	245	0	284	202	251	0	259	237	246	0	254	229	0	0	0	0	0
400	96	0	95	0	148	0	158	0	0	0	0	0	261	0	288	236	256	0	284	226	255	0	263	239	250	0	260	242	0	0	0	0	0
500	126	0	122	0	142	0	151	0	0	0	0	0	271	0	299	246	266	0	298	237	269	0	294	249	261	0	288	236	0	0	0	0	0
600	137	0	133	0	168	0	167	0	0	0	0	0	269	0	301	240	264	0	299	227	269	0	282	251	262	0	279	238	0	0	0	0	0
700	118	0	110	0	139	0	148	0	0	0	0	0	265	0	283	239	260	0	284	231	262	0	270	256	257	0	261	253	0	0	0	0	0
800	99	0	96	0	137	0	146	0	0	0	0	0	254	0	281	223	250	0	302	221	251	0	261	243	247	0	259	226	0	0	0	0	0
900	121	0	118	0	172	0	182	0	0	0	0	0	252	0	275	224	249	0	292	209	247	0	253	241	243	0	247	236	0	0	0	0	0
1000	144	0	144	0	160	0	169	0	0	0	0	0	269	0	279	252	264	0	283	244	264	0	282	241	258	0	265	235	0	0	0	0	0
1100	112	0	108	0	155	0	164	0	0	0	0	0	253	0	279	236	250	0	304	226	247	0	257	240	242	0	250	234	0	0	0	0	0
1200	122	0	114	0	178	0	186	0	0	0	0	0	255	3	279	231	251	0	282	222	249	0	268	235	245	0	262	236	0	0	0	0	0
1300	150	0	151	0	193	0	206	0	0	0	0	0	266	0	283	227	261	0	284	216	261	0	280	239	255	0	274	231	0	0	0	0	0
1400	146	0	145	0	172	0	181	0	0	0	0	0	270	0	303	243	265	0	303	234	268	0	308	238	261	0	286	226	0	0	0	0	0
1500	116	0	110	0	130	0	129	0	0	0	0	0	274	0	305	233	266	0	301	231	272	0	308	237	264	0	313	220	0	0	0	0	0
1600	191	0	191	0	202	0	212	0	0	0	0	0	269	0	283	251	263	0	288	238	265	0	279	256	258	0	269	248	0	0	0	0	0
1700	184	0	189	0	202	0	213	0	0	0	0	0	270	0	283	258	264	0	282	244	261	0	267	254	256	0	260	248	0	0	0	0	0
1800	162	0	164	0	169	0	178	0	0	0	0	0	269	0	293	257	264	0	296	241	266	0	277	254	259	0	274	243	0	0	0	0	0
1900	153	0	156	0	187	0	198	0	0	0	0	0	267	0	283	240	263	0	299	222	259	0	265	242	253	0	259	247	0	0	0	0	0
2000	132	0	134	0	176	0	186	0	0	0	0	0	265	0	289	234	261	0	297	225	258	0	288	236	252	0	269	230	0	0	0	0	0
2100	129	0	129	0	155	0	166	0	0	0	0	0	266	0	290	238	261	0	289	231	261	0	293	243	255	0	276	230	0	0	0	0	0
2200	132	0	123	0	193	0	152	0	0	0	0	0	283	0	311	250	277	0	311	234	283	0	322	244	277	0	313	242	0	0	0	0	0
2300	146	0	142	0	159	0	169	0	0	0	0	0	269	0	316	246	269	0	303	232	267	0	306	249	261	0	293	243	0	0	0	0	0
2400	134	0	126	0	151	0	156	0	0	0	0	0	272	0	311	242	268	0	310	237	272	0	324	243	265	0	332	230	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MASK
100	332	0	336	0	337	0	327	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
200	330	0	334	0	337	0	327	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
300	330	0	334	0	337	0	327	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
400	330	0	334	0	337	0	327	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
500	338	0	343	0	330	0	332	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
600	338	0	343	0	330	0	332	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
700	334	0	338	0	329	0	329	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
800	332	0	336	0	329	0	329	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
900	327	0	330	0	321	0	323	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	332	0	338	0	329	0	329	0	320	0	320	0	-5	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	329	0	334	0	333	0	325	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	329	0	334	0	333	0	323	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	330	0	334	0	335	0	325	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	330	0	334	0	333	0	325	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	332	0	338	0	337	0	327	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	320	0	323	0	331	0	312	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	327	0	330	0	330	0	320	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	327	0	332	0	330	0	320	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	327	0	332	0	331	0	321	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	327	0	332	0	330	0	321	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	327	0	330	0	330	0	320	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	323	0	329	0	318	0	318	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	321	0	327	0	316	0	316	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	0	0	323	0	331	0	312	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
100	127	0	122	0	148	0	157	0	0	0	0	0	280	0	327	250	272	0	319	237	278	0	316	242	269	0	302	229	0	0	0	0	0	U
200	139	0	134	0	158	0	167	0	0	0	0	0	276	0	316	249	270	0	327	220	276	0	309	248	270	0	299	240	0	0	0	0	0	U
300	176	0	174	0	191	0	208	0	0	0	0	0	295	0	327	268	289	0	322	259	287	0	319	260	277	0	307	239	0	0	0	0	0	U
400	188	0	174	0	218	0	227	0	0	0	0	0	296	0	312	266	289	0	321	253	293	0	320	247	283	0	300	235	0	0	0	0	0	U
500	182	0	178	0	192	0	204	0	0	0	0	0	294	0	319	241	285	0	313	203	286	0	306	257	277	0	303	240	0	0	0	0	0	U
600	153	0	151	0	165	0	179	0	0	0	0	0	294	0	317	261	287	0	318	247	287	0	318	238	279	0	300	247	0	0	0	0	0	U
700	177	0	158	0	209	0	212	0	0	0	0	0	296	0	325	272	289	0	321	260	293	0	334	261	283	0	311	248	0	0	0	0	0	U
800	140	0	136	0	161	0	170	0	0	0	0	0	303	0	322	287	297	0	316	264	297	0	312	270	288	0	303	269	0	0	0	0	0	U
900	149	0	139	0	170	0	178	0	0	0	0	0	302	0	324	285	296	0	320	276	299	0	309	289	290	0	299	280	0	0	0	0	0	U
1000	154	0	149	0	168	0	182	0	0	0	0	0	290	0	321	252	283	0	311	233	285	0	311	232	276	0	305	243	0	0	0	0	0	U
1100	179	0	168	0	199	0	207	0	0	0	0	0	296	0	315	277	289	0	319	259	292	0	304	267	282	0	292	258	0	0	0	0	0	U
1200	154	0	148	0	189	0	195	0	0	0	0	0	302	0	331	277	294	0	333	265	297	0	306	277	288	0	298	275	0	0	0	0	0	U
1300	148	0	149	0	196	0	197	0	0	0	0	0	319	0	346	286	310	0	339	271	320	0	338	304	310	0	337	288	0	0	0	0	0	U
1400	137	0	135	0	180	0	183	0	0	0	0	0	317	0	348	289	308	0	345	276	320	0	3	299	310	0	342	289	0	0	0	0	0	U
1500	140	0	139	0	180	0	184	0	0	0	0	0	321	0	358	301	312	0	0	282	320	0	333	295	310	0	332	286	0	0	0	0	0	U
1600	129	0	127	0	174	0	178	0	0	0	0	0	322	0	352	289	315	0	350	272	322	0	350	288	312	0	333	297	0	0	0	0	0	U
1700	130	0	123	0	163	0	169	0	0	0	0	0	340	0	7	312	330	0	20	301	334	0	355	322	324	0	343	303	0	0	0	0	0	U
1800	90	0	84	0	117	0	115	0	0	0	0	0	343	0	43	319	335	0	79	295	343	0	6	322	333	0	29	310	0	0	0	0	0	U
1900	79	0	74	0	108	0	110	0	0	0	0	0	21	0	66	320	16	0	85	299	0	0	27	315	355	0	85	310	0	0	0	0	0	U
2000	67	0	61	0	94	0	93	0	0	0	0	0	11	0	78	300	5	0	87	287	354	0	26	296	350	0	81	303	0	0	0	0	0	U
2100	51	0	44	0	81	0	63	0	0	0	0	0	14	0	60	310	7	0	64	300	3	0	43	322	0	0	84	298	0	0	0	0	0	U
2200	55	0	48	0	83	0	63	0	0	0	0	0	33	0	116	339	30	0	91	331	11	0	61	322	9	0	84	313	0	0	0	0	0	U
2300	25	0	22	0	30	0	33	0	0	0	0	0	50	3	92	1	57	3	92	0	34	3	91	341	29	0	87	331	0	0	0	0	0	U
2400	57	0	50	0	61	0	62	0	0	0	0	0	112	0	130	84	113	0	141	81	98	0	116	70	92	0	109	58	0	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	316	0	321	0	309	0	309	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
200	316	0	320	0	307	0	307	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
300	320	0	323	0	312	0	314	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
400	316	0	320	0	307	0	307	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
500	311	0	314	0	303	0	303	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
600	309	0	314	0	303	0	303	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
700	300	0	305	0	291	0	291	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
800	296	0	300	0	287	0	289	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
900	294	0	298	0	289	0	289	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1000	293	0	298	0	287	0	287	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1100	289	0	294	0	284	0	285	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1200	291	0	296	0	284	0	284	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1300	275	0	278	0	267	0	269	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1400	267	0	273	0	260	0	262	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1500	269	0	275	0	262	0	262	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1600	262	0	266	0	253	0	255	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1700	255	0	260	0	248	0	248	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1800	253	0	257	0	246	0	246	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1900	246	0	249	0	239	0	239	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2000	246	0	249	0	240	0	240	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2100	251	0	255	0	244	0	246	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2200	248	0	251	0	240	0	242	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2300	244	0	249	0	239	0	239	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2400	228	0	233	0	232	0	222	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S
100	69	0	63	0	75	0	76	0	0	0	0	0	113	0	135	89
200	61	0	56	0	66	0	69	0	0	0	0	0	108	0	127	85
300	63	0	55	0	71	0	74	0	0	0	0	0	104	0	130	81
400	67	0	59	0	70	0	74	0	0	0	0	0	111	0	128	92
500	74	0	67	0	78	0	82	0	0	0	0	0	111	0	127	95
600	68	0	62	0	72	0	75	0	0	0	0	0	119	0	134	97
700	72	0	64	0	81	0	85	0	0	0	0	0	118	0	134	95
800	68	0	60	0	77	0	80	0	0	0	0	0	118	0	131	99
900	68	0	62	0	78	0	83	0	0	0	0	0	119	0	131	106
1000	60	0	54	0	57	0	62	0	0	0	0	0	118	0	133	97
1100	49	0	46	0	48	0	52	0	0	0	0	0	132	0	221	108
1200	18	0	14	0	8	0	13	0	0	0	0	0	99	0	132	57
1300	35	0	32	0	38	0	41	0	0	0	0	0	337	0	56	281
1400	84	0	77	0	99	0	101	0	0	0	0	0	23	0	60	350
1500	86	0	77	0	102	0	101	0	0	0	0	0	19	0	58	337
1600	96	0	88	0	114	0	117	0	0	0	0	0	26	0	60	343
1700	89	0	86	0	106	0	108	0	0	0	0	0	41	0	71	354
1800	79	0	78	0	88	0	98	0	0	0	0	0	52	0	87	12
1900	70	0	72	0	85	0	98	0	0	0	0	0	57	0	86	33
2000	70	0	67	0	69	0	79	0	0	0	0	0	80	0	104	61
2100	53	0	54	0	64	0	74	0	0	0	0	0	59	0	83	35
2200	63	0	65	0	76	0	86	0	0	0	0	0	58	0	86	34
2300	68	0	73	0	78	0	90	0	0	0	0	0	70	0	88	47
2400	56	0	56	0	65	0	77	0	0	0	0	0	71	0	98	51

	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	112	0	141	70	99	0	119	69	95	0	116	78	0	0	0	0	0	0
200	103	0	131	75	95	0	123	80	88	0	109	73	0	0	0	0	0	0
300	102	0	136	75	96	0	115	72	91	0	107	66	0	0	0	0	0	0
400	112	0	136	86	106	0	121	94	103	0	117	85	0	0	0	0	0	0
500	111	0	141	81	102	0	120	91	98	0	114	84	0	0	0	0	0	0
600	118	0	143	86	109	0	132	77	105	0	123	75	0	0	0	0	0	0
700	118	0	136	91	112	0	129	102	108	0	123	89	0	0	0	0	0	0
800	118	0	136	92	113	0	129	95	109	0	123	96	0	0	0	0	0	0
900	121	0	136	96	118	0	129	102	115	0	123	91	0	0	0	0	0	0
1000	119	0	136	87	116	0	139	100	113	0	130	98	0	0	0	0	0	0
1100	134	0	176	99	132	0	147	116	129	0	145	113	0	0	0	0	0	0
1200	97	3	141	51	85	0	143	35	85	3	146	17	0	0	0	0	0	0
1300	329	0	40	276	336	0	57	277	327	0	5	285	0	0	0	0	0	0
1400	20	0	81	329	4	0	37	328	0	0	80	310	0	0	0	0	0	0
1500	15	0	79	316	5	0	37	324	4	0	85	305	0	0	0	0	0	0
1600	23	0	85	334	4	0	41	331	356	0	66	305	0	0	0	0	0	0
1700	39	0	81	351	32	0	69	5	26	0	62	2	0	0	0	0	0	0
1800	55	0	85	11	43	0	77	13	37	0	61	10	0	0	0	0	0	0
1900	58	0	86	15	46	0	82	24	40	0	81	15	0	0	0	0	0	0
2000	78	0	103	16	61	0	81	37	55	0	79	33	0	0	0	0	0	0
2100	65	0	91	25	48	0	73	26	41	0	74	6	0	0	0	0	0	0
2200	61	0	85	13	45	0	68	23	39	0	67	20	0	0	0	0	0	0
2300	72	0	113	57	59	0	75	36	54	0	69	33	0	0	0	0	0	0
2400	70	0	100	40	61	0	87	41	55	0	78	33	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	224	0	228	0	217	0	217	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	229	0	228	0	217	0	217	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	213	0	217	0	206	0	206	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	205	0	210	0	199	0	201	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	197	0	203	0	194	0	194	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	199	0	203	0	192	0	194	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	192	0	197	0	190	0	190	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	190	0	195	0	190	0	190	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	192	0	197	0	192	0	194	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	204	0	208	0	201	0	201	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	230	0	233	0	221	0	222	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	276	0	278	0	271	0	271	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	255	0	260	0	248	0	248	0	320	0	320	0	-9	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	246	0	251	0	240	0	240	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	251	0	255	0	242	0	242	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	249	0	255	0	242	0	244	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	242	0	246	0	237	0	237	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	230	0	233	0	226	0	226	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	230	0	233	0	224	0	224	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	230	0	233	0	224	0	226	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	226	0	230	0	222	0	222	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	228	0	231	0	222	0	222	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	221	0	224	0	213	0	213	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	[illegible]		208	0	199	0	199	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	71	0	64	0	85	0	87	0	0	0	0	0	94	0	111	75	93	0	119	66	85	0	98	65	80	0	96	62	0	0	0	0	0
200	82	0	76	0	115	0	114	0	0	0	0	0	90	0	106	78	87	0	108	69	81	0	92	67	76	0	86	61	0	0	0	0	0
300	89	0	82	0	135	0	123	0	0	0	0	0	93	0	116	80	91	0	114	69	81	0	88	69	75	0	85	63	0	0	0	0	0
400	82	0	76	0	128	0	128	0	0	0	0	0	100	0	110	86	98	0	120	75	90	0	98	84	85	0	89	77	0	0	0	0	0
500	79	0	75	0	134	0	135	0	0	0	0	0	105	0	117	94	104	0	115	85	93	0	98	88	88	0	92	85	0	0	0	0	0
600	77	0	71	0	130	0	123	0	0	0	0	0	114	0	124	104	114	0	131	98	104	0	110	97	100	0	109	94	0	0	0	0	0
700	78	0	73	0	132	0	135	0	0	0	0	0	109	0	123	97	109	0	129	90	103	0	110	98	99	0	108	92	0	0	0	0	0
800	119	0	110	2	165	0	167	2	0	0	0	0	101	0	124	76	101	2	136	64	91	0	116	65	89	2	114	61	0	0	0	0	0
900	74	0	70	0	131	0	127	0	0	0	0	0	118	0	131	105	119	0	136	103	116	0	128	105	113	0	125	103	0	0	0	0	0
1000	69	0	67	0	23	0	79	0	0	0	0	0	119	0	142	99	121	0	136	63	124	0	155	94	121	0	142	97	0	0	0	0	0
1100	68	0	67	0	67	0	72	0	0	0	0	0	130	0	146	106	132	0	153	108	120	0	141	98	116	0	140	101	0	0	0	0	0
1200	60	0	59	0	63	0	67	0	0	0	0	0	115	0	169	72	115	0	167	62	107	0	152	55	102	0	140	52	0	0	0	0	0
1300	44	0	42	0	44	0	49	0	0	0	0	0	105	0	154	14	106	0	159	14	103	0	140	31	98	0	137	44	0	0	0	0	0
1400	47	0	45	0	42	0	46	0	0	0	0	0	119	0	168	28	122	0	168	68	122	0	155	82	119	0	159	86	0	0	0	0	0
1500	39	0	38	0	37	0	39	0	0	0	0	0	124	0	150	94	126	0	159	103	129	0	172	92	123	0	160	87	0	0	0	0	0
1600	26	0	26	0	27	0	31	0	0	0	0	0	109	3	172	32	108	3	178	2	111	3	166	13	109	0	160	11	0	0	0	0	0
1700	33	0	34	0	39	0	40	0	0	0	0	0	132	0	209	90	110	0	177	64	113	0	177	59	111	0	176	73	0	0	0	0	0
1800	42	0	45	0	48	0	52	0	0	0	0	0	129	0	153	100	131	0	149	104	129	0	138	110	122	0	136	107	0	0	0	0	0
1900	53	0	59	0	81	0	85	0	0	0	0	0	133	0	182	101	137	0	187	92	139	0	160	104	132	0	152	105	0	0	0	0	0
2000	52	0	57	0	80	0	83	0	0	0	0	0	150	0	186	106	150	0	189	114	149	0	168	130	146	0	163	122	0	0	0	0	0
2100	40	0	45	0	67	0	69	0	0	0	0	0	148	0	186	120	151	0	198	113	157	0	173	142	154	0	172	137	0	0	0	0	0
2200	46	0	51	0	76	0	79	0	0	0	0	0	143	0	171	126	144	0	187	125	145	0	159	130	142	0	155	123	0	0	0	0	0
2300	49	0	54	0	86	0	90	0	0	0	0	0	135	0	164	117	139	0	175	120	140	0	154	114	138	0	147	121	0	0	0	0	0
2400	36	0	36	0	70	0	69	0	0	0	0	0	162	0	196	133	160	0	192	126	165	0	176	154	161	0	169	153	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	177	0	181	0	172	0	174	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
200	156	0	159	0	146	0	150	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
300	145	0	150	0	150	0	150	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
400	136	0	141	0	150	0	150	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
500	134	0	138	0	152	0	152	0	320	0	320	0	19	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
600	132	0	138	0	145	0	147	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
700	134	0	138	0	152	0	152	0	320	0	320	0	19	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
800	139	0	141	2	149	2	150	2	320	0	320	0	12	0	9	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
900	147	0	152	0	148	0	158	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	177	0	181	0	165	0	165	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	204	0	208	0	192	0	192	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	223	0	231	0	219	0	219	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	244	0	248	0	233	0	233	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	251	0	255	0	235	0	235	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	244	0	248	0	235	0	235	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	257	0	258	0	240	0	240	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	246	0	251	0	237	0	237	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	240	0	246	0	235	0	235	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	237	0	244	0	235	0	235	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	233	0	237	0	228	0	226	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	231	0	235	0	226	0	226	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	230	0	235	0	224	0	224	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	230	0	235	0	226	0	226	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	235	0	239	0	231	0	231	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	48	0	48	0	91	0	95	0	0	0	0	0	142	0	172	121	143	0	171	120	156	0	162	150	153	0	160	142	0	0	0	0		
200	46	0	46	0	82	0	81	0	0	0	0	0	155	0	194	92	156	0	209	103	159	0	176	142	156	0	171	135	0	0	0	0		
300	56	0	55	0	97	0	89	0	0	0	0	0	168	0	216	123	166	0	217	118	169	0	193	138	165	0	192	142	0	0	0	0		
400	54	0	51	0	90	0	86	0	0	0	0	0	173	0	220	121	171	0	222	124	175	0	214	140	171	0	259	149	0	0	0	0		
5000	63	0	59	0	103	0	97	0	0	0	0	0	163	0	198	121	163	0	225	102	169	0	198	141	164	0	206	139	0	0	0	0		
600	71	0	73	0	116	0	115	0	0	0	0	0	159	0	199	123	157	0	197	113	161	0	183	144	158	0	184	140	0	0	0	0		
700	91	0	91	0	146	0	149	0	0	0	0	0	148	0	180	125	146	0	208	112	163	0	170	131	150	0	165	131	0	0	0	0		
800	89	0	88	0	152	0	155	0	0	0	0	0	151	0	203	119	152	0	206	113	157	0	176	136	155	0	169	130	0	0	0	0		
900	91	0	90	0	147	0	149	0	0	0	0	0	154	0	178	132	155	0	192	119	160	0	174	144	157	0	169	144	0	0	0	0		
1000	65	0	61	0	109	0	105	0	0	0	0	0	169	0	231	100	169	0	226	96	171	0	205	138	169	0	245	134	0	0	0	0		
1100	64	0	60	0	100	0	94	0	0	0	0	0	168	0	266	98	166	0	220	97	172	0	209	113	170	0	253	134	0	0	0	0		
1200	118	2	110	2	165	2	167	2	0	0	0	0	101	2	124	76	101	2	136	64	91	2	116	65	89	2	114	61	0	0	0	0		
1300	98	0	78	0	147	0	127	0	0	0	0	0	204	0	269	138	200	0	248	121	192	0	219	125	189	0	238	113	0	0	0	0		
1400	93	0	75	0	139	0	131	0	0	0	0	0	193	0	265	119	191	0	261	106	187	0	239	159	186	0	268	145	0	0	0	0		
1500	90	0	74	0	132	0	130	0	0	0	0	0	192	0	266	120	194	0	265	91	162	0	233	149	180	0	213	145	0	0	0	0		
1600	69	0	71	0	134	0	117	0	0	0	0	0	206	0	255	126	202	0	259	120	192	0	222	156	188	0	218	159	0	0	0	0		
1700	64	0	54	0	127	0	106	0	0	0	0	0	191	0	247	134	188	0	248	99	187	0	210	161	185	0	256	161	0	0	0	0		
1800	60	0	53	0	118	0	105	0	0	0	0	0	186	0	235	130	182	0	265	120	183	0	212	141	180	0	266	113	0	0	0	0		
1900	70	0	65	0	119	0	105	0	0	0	0	0	173	0	209	90	171	0	226	97	179	0	217	139	177	0	267	146	0	0	0	0		
2000	63	0	55	0	125	0	99	0	0	0	0	0	183	0	267	109	182	0	238	99	179	0	218	143	178	0	267	142	0	0	0	0		
2100	70	0	61	0	131	0	111	0	0	0	0	0	175	0	240	98	175	0	255	100	178	0	197	142	175	0	198	146	0	0	0	0		
2200	52	0	91	0	102	0	91	0	0	0	0	0	178	0	255	124	179	0	255	104	177	0	215	149	173	0	267	133	0	0	0	0		
2300	76	0	67	0	133	0	111	0	0	0	0	0	170	0	226	125	169	0	220	114	170	0	198	148	169	0	235	152	0	0	0	0		
2400	58	0	51	0	102	0	91	0	0	0	0	0	182	0	234	127	181	0	248	131	181	0	218	142	179	0	245	151	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	237	0	242	0	239	0	239	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	244	0	249	0	244	0	244	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
300	253	0	258	0	251	0	249	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	255	0	258	0	249	0	249	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	251	0	257	0	246	0	246	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	244	0	249	0	239	0	239	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	231	0	237	0	230	0	230	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	222	0	228	0	222	0	224	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	226	0	231	0	222	0	222	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	253	0	258	0	237	0	239	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	285	0	291	0	264	0	264	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	296	2	303	2	285	2	285	2	320	0	320	0	-12	2	-18	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	327	0	332	0	303	0	303	0	320	0	320	0	-23	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	338	0	343	0	314	0	314	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	354	0	361	0	329	0	329	0	320	0	320	0	-27	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	341	0	345	0	325	0	325	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	321	0	327	0	314	0	314	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	296	0	300	0	289	0	289	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	284	0	287	0	276	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	284	0	287	0	276	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	284	0	287	0	276	0	276	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	282	0	285	0	280	0	280	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	282	0	287	0	278	0	278	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	[illegible]	0	287	0	282	0	282	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		

STAT[illegible]DE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = I[illegible]D, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, D[illegible]CTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 [illegible]LEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
100	50	0	44	0	106	0	86	0	0	0	0	0	165	0	221	140	184	0	237	119	183	0	202	166	184	0	264	167	0	0	0	0	0	0
200	50	0	43	0	92	0	80	0	0	0	0	0	170	0	224	126	171	0	220	125	177	0	194	154	174	0	268	154	0	0	0	0	0	0
300	55	0	48	0	104	0	89	0	0	0	0	0	171	0	203	140	170	0	199	131	180	0	194	164	179	0	265	155	0	0	0	0	0	0
400	53	0	47	0	101	0	89	0	0	0	0	0	166	0	210	133	165	0	216	97	176	0	202	147	174	0	239	100	0	0	0	0	0	0
500	65	0	51	0	102	0	102	0	0	0	0	0	187	0	248	145	186	0	253	127	185	0	217	164	185	0	267	159	0	0	0	0	0	0
600	63	0	53	0	126	0	101	0	0	0	0	0	177	0	229	139	175	0	239	115	178	0	198	157	176	0	241	157	0	0	0	0	0	0
700	64	0	53	0	116	0	97	0	0	0	0	0	181	0	236	123	180	0	253	106	182	0	204	163	183	0	247	150	0	0	0	0	0	0
800	59	0	49	0	114	0	97	0	0	0	0	0	174	0	228	130	171	0	222	131	177	0	193	164	175	0	221	157	0	0	0	0	0	0
900	49	0	44	0	97	0	88	0	0	0	0	0	163	0	217	100	158	0	255	96	172	0	199	143	167	0	203	117	0	0	0	0	0	0
1000	75	0	69	0	137	0	122	0	0	0	0	0	157	0	195	117	161	0	199	96	164	0	189	139	160	0	196	135	0	0	0	0	0	0
1100	92	0	87	0	142	0	136	0	0	0	0	0	160	0	198	125	161	0	209	120	164	0	192	134	162	0	214	142	0	0	0	0	0	0
1200	83	0	84	0	130	0	126	0	0	0	0	0	159	0	260	117	159	0	198	113	162	0	187	136	159	0	186	131	0	0	0	0	0	0
1300	71	0	66	0	106	0	101	0	0	0	0	0	156	0	209	102	157	0	249	91	163	0	189	119	161	0	196	125	0	0	0	0	0	0
1400	37	0	34	0	46	0	55	0	0	0	0	0	158	0	265	100	156	0	261	90	162	0	252	108	160	0	264	90	0	0	0	0	0	0
1500	74	0	73	0	133	0	121	0	0	0	0	0	158	0	216	127	159	0	213	120	158	0	181	131	156	0	182	134	0	0	0	0	0	0
1600	89	0	87	0	142	0	145	0	0	0	0	0	149	0	182	121	147	0	203	97	152	0	176	127	148	0	166	126	0	0	0	0	0	0
1700	86	0	83	0	141	0	132	0	0	0	0	0	163	0	212	121	163	0	209	119	164	0	185	141	162	0	251	140	0	0	0	0	0	0
1800	76	0	67	0	117	0	112	0	0	0	0	0	172	0	223	126	171	0	267	119	170	0	193	144	165	0	206	142	0	0	0	0	0	0
1900	76	0	74	0	131	0	118	0	0	0	0	0	158	0	213	123	159	0	210	96	161	0	183	123	159	0	248	124	0	0	0	0	0	0
2000	63	0	59	0	116	0	119	0	0	0	0	0	152	0	207	99	149	0	245	108	159	0	200	133	156	0	202	137	0	0	0	0	0	0
2100	86	0	86	0	148	0	152	0	0	0	0	0	145	0	172	129	146	0	181	120	151	0	170	137	149	0	168	130	0	0	0	0	0	0
2200	69	0	64	0	122	0	127	0	0	0	0	0	190	0	156	129	140	0	165	107	150	0	166	133	148	0	167	140	0	0	0	0	0	0
2300	61	0	57	0	107	0	112	0	0	0	0	0	194	0	162	119	152	0	174	117	154	0	164	137	152	0	159	141	0	0	0	0	0	0
2400	55	0	47	0	98	0	84	0	0	0	0	0	171	0	229	132	167	0	237	114	175	0	194	153	177	0	268	155	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 100A	S	AMB. TEM4 100B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	285	0	291	0	289	0	291	0	320	0	320	0	5	0	0	0	0	0.0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	293	0	296	0	294	0	294	0	320	0	320	0	3	0	1	0	0.0	0.0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	289	0	294	0	300	0	300	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	296	0	302	0	303	0	303	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	314	0	320	0	320	0	320	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	321	0	321	0	320	0	320	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	318	0	321	0	321	0	321	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	307	0	311	0	314	0	314	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	321	0	327	0	325	0	325	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	338	0	343	0	330	0	332	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	352	0	357	0	343	0	345	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	361	0	366	0	352	0	352	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	410	0	413	0	383	0	383	0	320	0	320	0	-27	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	426	0	429	0	401	0	401	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	417	0	422	0	402	0	402	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	404	0	410	0	395	0	395	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	397	0	401	0	390	0	390	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	381	0	384	0	375	0	377	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	374	0	379	0	368	0	370	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	363	0	368	0	361	0	361	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	357	0	363	0	356	0	357	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	357	0	361	0	359	0	359	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	359	0	365	0	363	0	363	0	320	0	320	0	3	0	0	0	0	0.0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	368	0	372	0	368	0	368	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS = 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	S
100	76	0	63	0	98	0	100	0	0	0	0	0	226	0	259	191	223	0	279	180	217	0	236	177	212	0	235	176	0	0	0	0	0	0
200	117	0	116	0	165	0	176	0	0	0	0	0	245	0	268	217	240	0	276	208	241	0	256	227	235	0	246	221	0	0	0	0	0	0
300	144	0	142	0	193	0	202	0	0	0	0	0	251	0	279	233	249	0	282	226	247	0	253	232	241	0	247	229	0	0	0	0	0	0
400	112	0	106	0	198	0	169	0	0	0	0	0	254	0	280	229	251	0	279	210	250	0	261	243	245	0	266	236	0	0	0	0	0	0
500	104	0	102	0	183	0	165	0	0	0	0	0	257	0	285	228	255	0	284	228	254	0	282	238	247	0	272	220	0	0	0	0	0	0
600	189	0	189	0	236	0	229	0	0	0	0	0	268	0	280	248	264	0	288	231	261	0	267	255	255	0	260	249	0	0	0	0	0	0
700	230	0	231	0	287	0	257	0	0	0	0	0	269	0	292	254	264	0	302	243	267	0	295	252	260	0	278	243	0	0	0	0	0	0
800	199	0	199	0	234	0	242	0	0	0	0	0	273	0	318	249	267	0	312	226	272	0	308	234	263	0	303	227	0	0	0	0	0	0
900	215	0	211	0	243	0	250	0	0	0	0	0	271	0	297	238	266	0	317	225	272	0	312	246	266	0	299	232	0	0	0	0	0	0
1000	265	0	271	0	296	0	312	0	0	0	0	0	268	0	285	252	263	0	283	244	261	0	271	253	254	0	265	245	0	0	0	0	0	0
1100	243	0	250	0	279	0	294	0	0	0	0	0	268	0	280	255	262	0	295	233	263	0	283	242	256	0	270	240	0	0	0	0	0	0
1200	263	0	271	0	295	0	310	0	0	0	0	0	269	0	285	254	264	0	295	236	262	0	270	254	256	0	268	248	0	0	0	0	0	0
1300	229	0	233	0	284	0	257	0	0	0	0	0	269	0	286	248	265	0	310	238	266	0	308	243	258	0	276	235	0	0	0	0	0	0
1400	210	0	213	0	247	0	262	0	0	0	0	0	267	0	284	247	264	0	286	232	259	0	270	241	252	0	264	241	0	0	0	0	0	0
1500	180	0	185	0	254	0	267	0	0	0	0	0	261	0	286	231	256	0	300	215	253	0	270	237	247	0	261	215	0	0	0	0	0	0
1600	212	0	217	0	273	0	289	0	0	0	0	0	265	0	284	241	261	0	283	226	257	0	273	240	249	0	258	230	0	0	0	0	0	0
1700	201	0	204	0	255	0	268	0	0	0	0	0	266	0	285	245	261	0	301	230	257	0	267	228	251	0	259	237	0	0	0	0	0	0
1800	208	0	213	0	230	0	243	0	0	0	0	0	269	0	287	248	264	0	283	238	262	0	277	249	254	0	271	237	0	0	0	0	0	0
1900	202	0	202	0	211	0	224	0	0	0	0	0	269	0	291	251	264	0	298	232	265	0	283	237	256	0	269	232	0	0	0	0	0	0
2000	187	0	191	0	210	0	223	0	0	0	0	0	268	0	283	252	264	0	282	243	260	0	286	247	253	0	263	241	0	0	0	0	0	0
2100	206	0	206	0	239	0	240	0	0	0	0	0	268	0	294	251	264	0	298	238	263	0	273	254	255	0	265	237	0	0	0	0	0	0
2200	175	0	179	0	212	0	232	0	0	0	0	0	265	0	286	236	259	0	304	227	258	0	266	238	251	0	260	232	0	0	0	0	0	0
2300	121	0	120	0	165	0	175	0	0	0	0	0	260	0	285	229	255	0	306	215	254	0	283	230	247	0	279	226	0	0	0	0	0	0
2400	132	0	130	0	163	0	175	0	0	0	0	0	266	0	289	238	261	0	288	215	256	0	271	221	249	0	259	215	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	374	0	377	0	370	0	370	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	354	0	357	0	352	0	352	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	332	0	338	0	329	0	329	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	316	0	321	0	314	0	316	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	318	0	321	0	316	0	321	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	323	0	327	0	318	0	321	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	329	0	334	0	320	0	321	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	332	0	338	0	325	0	325	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	323	0	327	0	314	0	316	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	311	0	316	0	302	0	303	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	305	0	309	0	296	0	296	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	295	0	302	0	289	0	289	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	289	0	294	0	284	0	284	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	291	0	296	0	284	0	285	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	287	0	293	0	280	0	280	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	284	0	289	0	276	0	278	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	284	0	289	0	276	0	276	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	284	0	287	0	275	0	275	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	284	0	287	0	276	0	276	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	280	0	284	0	273	0	273	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	278	0	284	0	273	0	273	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	269	0	275	0	262	0	262	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	267	0	273	0	260	0	262	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	273	0	278	0	266	0	266	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .1 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6		
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50 B	S		150A	S		150B	S		S			S			
100	151	0	152	0	177	0	188	0	0	0	0	0	266	0	287	233	260	0	284	220	259	0	284	242	251	0	269	216	0	0	0	0	0	0
200	161	0	160	0	177	0	187	0	0	0	0	0	267	0	280	240	263	0	294	236	262	0	277	241	255	0	270	240	0	0	0	0	0	0
300	173	0	173	0	188	0	190	0	0	0	0	0	268	0	279	251	264	0	288	244	263	0	281	255	255	0	263	247	0	0	0	0	0	0
400	130	0	127	0	156	0	168	0	0	0	0	0	244	0	273	213	241	0	300	210	234	0	259	212	227	0	245	198	0	0	0	0	0	0
500	127	0	123	0	133	0	141	0	0	0	0	0	268	0	304	236	263	0	300	222	269	0	300	247	261	0	291	240	0	0	0	0	0	0
600	129	0	128	0	148	0	155	0	0	0	0	0	267	0	294	236	261	0	302	222	263	0	299	234	255	0	286	234	0	0	0	0	0	0
700	118	0	119	0	133	0	141	0	0	0	0	0	266	0	295	237	261	0	302	231	260	0	271	244	253	0	265	230	0	0	0	0	0	0
800	117	0	113	0	135	0	133	0	0	0	0	0	272	0	305	241	266	0	303	229	270	0	310	226	261	0	296	226	0	0	0	0	0	0
900	115	0	114	0	136	0	133	0	0	0	0	0	270	0	303	245	269	0	290	220	265	0	285	242	257	0	274	212	0	0	0	0	0	0
1000	79	0	78	0	87	0	98	0	0	0	0	0	263	0	292	223	257	0	282	209	260	0	281	224	251	0	277	224	0	0	0	0	0	0
1100	66	0	62	0	76	0	82	0	0	0	0	0	259	0	307	225	257	0	313	220	258	0	311	232	251	0	297	225	0	0	0	0	0	0
1200	47	0	42	0	59	0	65	0	0	0	0	0	274	0	338	222	268	0	317	199	282	0	321	237	272	0	308	220	0	0	0	0	0	0
1300	66	0	62	0	72	0	78	0	0	0	0	0	269	0	318	240	262	0	321	227	267	0	306	241	262	0	304	234	0	0	0	0	0	0
1400	90	0	84	0	100	0	106	0	0	0	0	0	302	0	333	284	295	0	321	271	297	0	317	284	287	0	302	276	0	0	0	0	0	0
1500	63	0	58	0	76	0	78	0	0	0	0	0	330	0	15	288	324	0	23	299	324	0	349	268	313	0	337	259	0	0	0	0	0	0
1600	72	0	68	0	88	0	75	0	0	0	0	0	305	0	329	278	298	0	321	265	291	0	315	260	282	0	299	248	0	0	0	0	0	0
1700	59	0	49	0	65	0	60	0	0	0	0	0	257	0	286	221	251	0	288	210	265	0	317	220	255	0	305	225	0	0	0	0	0	0
1800	56	0	53	0	67	0	63	0	0	0	0	0	263	0	286	247	258	0	284	234	257	0	267	244	250	0	260	237	0	0	0	0	0	0
1900	61	0	57	0	69	0	75	0	0	0	0	0	249	0	293	232	245	0	280	216	243	0	258	227	237	0	248	221	0	0	0	0	0	0
2000	61	0	56	0	76	0	82	0	0	0	0	0	240	0	270	208	237	0	282	194	229	0	262	202	223	0	254	202	0	0	0	0	0	0
2100	37	0	31	0	46	0	51	0	0	0	0	0	236	0	266	186	229	0	265	175	234	0	266	197	226	0	265	203	0	0	0	0	0	0
2200	22	0	18	0	32	0	15	0	0	0	0	0	252	0	308	227	249	0	306	220	299	3	358	223	294	0	350	228	0	0	0	0	0	0
2300	16	0	12	0	9	0	12	0	0	0	0	0	161	5	189	129	160	0	92	129	81	3	118	35	72	3	109	23	0	0	0	0	0	0
2400	43	0	35	0	41	0	42	0	0	0	0	0	179	0	201	130	179	0	216	124	157	0	171	136	153	0	167	132	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		MAIN >
	30 A	S	30 B	S	180A	S	180B	S		S		S	100A	S	180B	S		S		S		S		S		S		S		S		S	
100	275	0	280	0	287	0	267	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	275	0	280	0	287	0	267	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	275	0	280	0	287	0	267	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	267	0	271	0	278	0	260	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	282	0	287	0	295	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	269	0	275	0	282	0	262	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	264	0	267	0	285	0	255	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	264	0	267	0	287	0	257	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	260	0	266	0	283	0	255	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	260	0	266	0	287	0	258	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	262	0	266	0	288	0	260	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	273	0	276	0	287	0	269	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	273	0	278	0	291	0	271	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	273	0	276	0	286	0	267	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	275	0	280	0	289	0	269	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	269	0	275	0	284	0	266	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	273	0	278	0	291	0	273	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	276	0	282	0	295	0	275	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	280	0	285	0	296	0	278	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	276	0	282	0	295	0	275	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	280	0	284	0	295	0	276	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	273	0	278	0	289	0	269	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	269	0	275	0	286	0	276	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	267	0	271	0	284	0	284	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIREGTION, 5 =FLAT DIRECTION

RECORDING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6	S
100	28	0	21	0	90	0	54	0	0	0	0	0	120	0	147	98	119	0	169	86	151	0	163	127	147	0	158	126	0	0	0	0	0
200	27	0	22	0	53	0	55	0	0	0	0	0	112	0	144	81	112	0	142	78	87	0	97	78	83	0	95	74	0	0	0	0	0
300	50	0	51	0	81	0	89	0	0	0	0	0	71	0	88	59	68	0	91	52	63	0	74	49	58	0	69	48	0	0	0	0	0
400	61	0	69	0	97	0	111	0	0	0	0	0	63	0	81	49	66	0	85	12	51	0	60	44	47	0	61	40	0	0	0	0	0
500	78	0	72	0	106	0	110	0	0	0	0	0	82	0	96	70	80	0	103	63	67	0	75	58	62	0	71	52	0	0	0	0	0
600	96	0	91	0	135	0	138	0	0	0	0	0	81	0	99	71	81	0	102	66	72	0	81	66	66	0	74	56	0	0	0	0	0
700	106	0	100	0	148	0	149	0	0	0	0	0	88	0	103	72	87	0	109	69	79	0	91	66	73	0	85	63	0	0	0	0	0
800	109	0	103	0	151	0	148	0	0	0	0	0	90	0	106	78	89	0	109	65	81	0	97	68	77	0	89	63	0	0	0	0	0
900	100	0	96	0	138	0	137	0	0	0	0	0	93	0	127	74	92	0	136	59	83	0	99	74	79	0	92	67	0	0	0	0	0
1000	141	0	136	0	188	0	167	0	0	0	0	0	91	0	118	76	91	0	135	64	86	0	105	74	81	0	101	63	0	0	0	0	0
1100	175	0	166	0	208	0	209	0	0	0	0	0	109	0	137	87	111	0	142	73	99	0	115	76	96	0	112	67	0	0	0	0	0
1200	183	0	177	0	230	0	240	0	0	0	0	0	114	0	131	89	118	0	143	69	106	0	125	89	104	0	130	85	0	0	0	0	0
1300	166	0	164	0	203	0	206	0	0	0	0	0	122	0	144	102	126	0	149	103	113	0	132	96	113	0	132	96	0	0	0	0	0
1400	181	0	172	0	216	0	222	0	0	0	0	0	110	0	128	83	111	0	147	80	102	0	123	74	102	0	123	74	0	0	0	0	0
1500	156	0	148	0	196	0	199	0	0	0	0	0	102	0	128	81	103	0	150	60	94	0	120	54	91	0	118	55	0	0	0	0	0
1600	202	0	193	0	256	0	260	0	0	0	0	0	102	0	126	83	103	0	142	73	94	0	126	78	92	0	116	74	0	0	0	0	0
1700	181	0	167	0	231	0	235	0	0	0	0	0	99	0	126	76	98	0	143	63	91	0	118	69	89	0	114	70	0	0	0	0	0
1800	162	0	149	0	194	0	197	0	0	0	0	0	104	0	130	83	105	0	154	75	92	0	109	67	91	0	118	71	0	0	0	0	0
1900	199	0	186	0	239	0	229	0	0	0	0	0	110	0	125	93	112	0	140	87	100	0	119	75	98	0	114	78	0	0	0	0	0
2000	117	0	113	0	138	0	129	0	0	0	0	0	93	0	128	75	94	0	132	63	86	0	108	70	84	0	108	70	0	0	0	0	0
2100	90	0	86	0	95	0	95	0	0	0	0	0	100	0	119	77	99	0	138	55	84	0	84	83	88	0	108	70	0	0	0	0	0
2200	81	0	77	0	113	0	77	0	0	0	0	0	111	0	129	88	114	0	138	80	84	0	84	84	99	0	119	78	0	0	0	0	0
2300	80	0	72	0	96	0	78	0	0	0	0	0	110	0	128	92	111	0	168	76	84	0	84	84	93	0	109	78	0	0	0	0	0
2400	73	0	69	0	76	0	69	0	0	0	0	0	113	0	127	86	116	0	141	69	84	0	84	84	98	0	127	74	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN
100	260	0	266	0	273	0	273	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
200	260	0	266	0	280	0	282	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
300	266	0	269	0	276	0	276	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
400	257	0	262	0	267	0	267	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
500	251	0	257	0	258	0	260	0	320	0	320	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
600	242	0	246	0	249	0	251	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
700	242	0	246	0	246	0	246	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
800	240	0	246	0	244	0	246	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
900	242	0	248	0	248	0	248	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1000	264	0	267	0	264	0	266	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1100	294	0	298	0	293	0	293	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1200	309	0	314	0	307	0	307	0	320	0	320	0	-9	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1300	314	0	320	0	312	0	312	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1400	321	0	327	0	321	0	321	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1500	320	0	325	0	320	0	320	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1600	316	0	320	0	312	0	314	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1700	311	0	316	0	311	0	311	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1800	311	0	316	0	312	0	314	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1900	312	0	318	0	316	0	318	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2000	307	0	311	0	312	0	312	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2100	305	0	309	0	311	0	311	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2200	309	0	314	0	312	0	314	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2300	311	0	316	0	316	0	321	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2400	0	0	321	0	320	0	321	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
													50 B	S					150A	S			150B	S			S	
100	68	0	64	0	72	0	65	0	0	0	0	0	112	0	128	95	113	0	147	57	84	0	84	84	97	0	124	68	0	0	0	0	0	0
200	75	0	70	0	78	0	72	0	0	0	0	0	111	0	132	87	113	0	143	81	84	0	84	84	95	0	112	83	0	0	0	0	0	0
300	76	0	72	0	79	0	74	0	0	0	0	0	111	0	123	93	113	0	137	86	98	0	112	75	96	0	116	75	0	0	0	0	0	0
400	81	0	77	0	83	0	77	0	0	0	0	0	108	0	122	91	110	0	132	81	95	0	113	80	94	0	115	80	0	0	0	0	0	0
500	104	0	99	0	70	0	64	0	0	0	0	0	105	0	125	83	107	0	135	65	89	0	109	69	91	0	110	73	0	0	0	0	0	0
600	171	0	159	0	74	0	67	0	0	0	0	0	101	0	118	79	100	0	140	65	88	0	109	77	88	0	109	69	0	0	0	0	0	0
700	176	0	168	0	111	0	110	0	0	0	0	0	101	0	122	80	101	0	132	70	90	0	103	76	90	0	112	78	0	0	0	0	0	0
800	171	0	156	0	212	0	215	0	0	0	0	0	106	0	130	90	106	0	147	76	95	0	108	76	94	0	109	72	0	0	0	0	0	0
900	183	0	170	0	231	0	232	0	0	0	0	0	102	0	125	81	104	0	134	81	93	0	119	74	91	0	119	73	0	0	0	0	0	0
1000	148	0	140	0	207	0	209	0	0	0	0	0	100	0	117	80	103	0	141	67	92	0	107	78	89	0	108	74	0	0	0	0	0	0
1100	160	0	151	0	208	0	211	0	0	0	0	0	102	0	126	88	102	0	129	71	100	0	133	46	90	0	108	75	0	0	0	0	0	0
1200	119	0	110	2	165	0	167	2	0	0	0	0	101	0	124	76	101	2	136	64	91	0	116	65	89	2	114	61	0	0	0	0	0	0
1300	132	0	123	0	199	0	165	0	0	0	0	0	117	0	133	105	121	0	147	99	117	0	131	102	116	0	128	101	0	0	0	0	0	0
1400	77	0	75	0	130	0	134	0	0	0	0	0	143	0	190	111	147	0	209	107	147	0	161	121	146	0	171	123	0	0	0	0	0	0
1500	95	0	75	0	197	0	133	0	0	0	0	0	207	0	248	145	210	0	261	146	204	0	226	135	190	0	211	164	0	0	0	0	0	0
1600	119	0	105	0	165	0	157	0	0	0	0	0	226	0	257	169	222	0	264	30	209	0	232	178	205	0	229	175	0	0	0	0	0	0
1700	102	0	83	0	190	0	136	0	0	0	0	0	216	0	259	151	215	0	255	165	208	0	240	137	199	0	225	170	0	0	0	0	0	0
1800	134	0	113	0	175	0	169	0	0	0	0	0	226	0	279	187	222	0	276	192	213	0	237	183	208	0	232	179	0	0	0	0	0	0
1900	130	0	114	0	173	0	170	0	0	0	0	0	226	0	273	199	226	0	287	186	215	0	248	172	208	0	245	175	0	0	0	0	0	0
2000	128	0	115	0	172	0	174	0	0	0	0	0	231	0	269	201	229	0	300	184	220	0	250	196	213	0	233	187	0	0	0	0	0	0
2100	110	0	91	0	147	0	137	0	0	0	0	0	219	0	263	154	218	0	268	137	208	0	244	170	203	0	230	176	0	0	0	0	0	0
2200	100	0	94	0	132	0	121	0	0	0	0	0	225	0	270	200	223	0	261	171	207	0	236	167	201	0	221	173	0	0	0	0	0	0
2300	120	0	110	0	165	0	163	0	0	0	0	0	236	0	271	185	231	0	271	199	225	0	251	191	217	0	240	171	0	0	0	0	0	0
2400	133	0	123	0	180	0	188	0	0	0	0	0	238	0	270	197	235	0	292	186	228	0	255	194	223	0	255	196	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC .7	S	KWH	S
													180A	S	180B	S										
100	318	0	321	0	333	0	323	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	321	0	323	0	331	0	323	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	321	0	325	0	333	0	323	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	323	0	329	0	333	0	325	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	323	0	329	0	333	0	323	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	325	0	329	0	333	0	325	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	325	0	329	0	333	0	323	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	327	0	332	0	335	0	327	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	334	0	338	0	342	0	334	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	338	0	341	0	336	0	336	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	343	0	348	00	343	0	345	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	348	0	352	2	350	2	350	2	320	0	320	0	-3	0	-7	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	368	0	372	0	372	0	374	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	392	0	395	0	393	0	393	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	406	0	410	0	404	0	406	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	381	0	386	0	379	0	381	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	381	0	386	0	383	0	383	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	379	0	383	0	377	0	377	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	363	0	368	0	363	0	365	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	343	0	348	0	343	0	343	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	338	0	341	0	336	0	336	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	334	0	338	0	332	0	334	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	330	0	336	0	329	0	329	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	325	0	330	0	333	0	323	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
100	110	0	102	0	189	0	165	0	0	0	0	0	237	0	269	185	233	0	269	164	227	0	263	199	221	0	246	195	0	0	0	0	0	0
200	115	0	110	0	167	0	171	0	0	0	0	0	240	0	277	194	238	0	297	186	226	0	255	195	221	0	254	184	0	0	0	0	0	0
300	129	0	122	0	178	0	182	0	0	0	0	0	238	0	280	210	236	0	283	197	227	0	256	204	220	0	241	190	0	0	0	0	0	0
400	187	0	184	0	239	0	256	0	0	0	0	0	247	0	267	216	245	0	272	214	239	0	251	205	233	0	248	211	0	0	0	0	0	0
500	153	0	149	0	207	0	219	0	0	0	0	0	247	0	274	208	242	0	293	192	239	0	257	210	233	0	248	208	0	0	0	0	0	0
600	161	0	158	0	218	0	230	0	0	0	0	0	244	0	272	212	241	0	273	197	236	0	269	205	229	0	247	198	0	0	0	0	0	0
700	130	0	119	0	174	0	180	0	0	0	0	0	239	0	280	207	240	0	299	199	225	0	261	191	220	0	245	186	0	0	0	0	0	0
800	151	0	145	0	209	0	223	0	0	0	0	0	246	0	283	205	242	0	284	188	232	0	253	194	227	0	249	198	0	0	0	0	0	0
900	207	0	204	0	230	0	243	0	0	0	0	0	269	0	296	242	265	0	293	225	269	0	290	250	260	0	287	235	0	0	0	0	0	0
1000	205	0	201	0	241	0	248	0	0	0	0	0	278	0	306	243	272	0	329	202	276	0	311	237	267	0	313	223	0	0	0	0	0	0
1100	210	0	208	0	257	0	271	0	0	0	0	0	277	0	304	237	273	0	326	232	279	0	318	232	271	0	304	232	0	0	0	0	0	0
1200	253	0	249	0	291	0	299	0	0	0	0	0	271	0	312	243	265	0	311	221	276	0	313	226	264	0	284	241	0	0	0	0	0	0
1300	246	0	244	0	295	0	317	0	0	0	0	0	286	0	319	257	280	0	321	237	284	0	345	239	275	0	315	244	0	0	0	0	0	0
1400	301	0	276	0	393	0	403	0	0	0	0	0	296	0	307	270	288	0	308	243	296	0	305	286	285	0	292	270	0	0	0	0	0	0
1500	302	0	293	0	358	0	374	0	0	0	0	0	295	0	313	245	288	0	320	249	292	0	306	250	281	0	297	240	0	0	0	0	0	0
1600	118	2	110	2	165	2	167	2	0	0	0	0	101	2	124	76	101	2	136	64	91	2	116	65	89	2	114	61	0	0	0	0	0	0
1700	299	0	293	0	388	0	374	0	0	0	0	0	310	0	321	295	297	0	322	273	308	0	320	297	296	0	307	285	0	0	0	0	0	0
1800	296	0	297	0	389	0	374	0	0	0	0	0	314	0	328	302	304	0	324	278	314	0	330	306	302	0	311	294	0	0	0	0	0	0
1900	250	0	246	0	335	0	338	0	0	0	0	0	316	0	347	298	305	0	350	271	319	0	329	311	307	0	321	299	0	0	0	0	0	0
2000	279	0	272	0	339	0	345	0	0	0	0	0	311	0	327	294	299	0	325	266	310	0	320	300	299	0	309	288	0	0	0	0	0	0
2100	226	0	225	0	318	0	319	0	0	0	0	0	318	0	341	294	307	0	345	270	322	0	334	305	310	0	336	297	0	0	0	0	0	0
2200	239	0	231	0	316	0	320	0	0	0	0	0	320	0	345	302	312	0	346	277	321	0	334	306	309	0	322	296	0	0	0	0	0	0
2300	207	0	201	0	289	0	291	0	0	0	0	0	323	0	345	279	314	0	355	278	324	0	7	303	312	0	324	299	0	0	0	0	0	0
2400	232	0	231	0	307	0	310	0	0	0	0	0	318	0	337	296	307	0	345	270	319	0	335	301	308	0	335	294	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	320	0	323	0	316	0	318	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
200	309	0	314	0	305	0	305	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
300	302	0	305	0	296	0	298	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
400	296	0	300	0	291	0	291	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
500	289	0	293	0	285	0	285	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
600	280	0	284	0	275	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
700	267	0	273	0	262	0	264	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
800	269	0	275	0	267	0	269	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
900	262	0	267	0	266	0	266	0	320	0	320	0	-7	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	255	0	260	0	257	0	258	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	249	0	255	0	241	0	253	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	244	0	249	0	244	0	246	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	248	0	253	0	261	0	251	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	249	0	257	0	249	0	251	0	320	0	320	0	-9	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0
1600	251	2	258	2	245	2	257	2	320	0	320	0	-7	2	-12	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	255	0	260	0	247	0	257	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	253	0	258	0	245	0	257	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	253	0	257	0	247	0	258	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	244	0	249	0	249	0	249	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	239	0	244	0	244	0	244	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	224	0	228	0	226	0	228	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	229	0	233	0	230	0	231	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	235	0	239	0	237	0	237	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	244	0	233	0	303	0	306	0	0	0	0	0	314	0	336	297	309	0	327	275	314	0	337	280	303	0	315	275	0	0	0	0	0	
200	191	0	187	0	255	0	255	0	0	0	0	0	320	0	349	289	311	0	350	261	320	0	335	306	308	0	337	291	0	0	0	0	0	
300	205	0	208	0	265	0	267	0	0	0	0	0	318	0	336	292	310	0	348	271	317	0	340	296	306	0	324	292	0	0	0	0	0	
400	182	0	172	0	238	0	238	0	0	0	0	0	332	0	358	287	321	0	8	271	331	0	43	309	322	0	353	303	0	0	0	0	0	
500	181	0	174	0	236	0	235	0	0	0	0	0	334	0	7	302	325	0	0	276	330	0	343	293	319	0	333	279	0	0	0	0	0	
600	173	0	165	0	235	0	226	0	0	0	0	0	323	0	348	288	315	0	356	271	324	0	337	312	312	0	330	299	0	0	0	0	0	
700	189	0	183	0	239	0	228	0	0	0	0	0	307	0	322	289	301	0	321	276	307	0	320	294	295	0	310	285	0	0	0	0	0	
800	175	0	172	0	206	0	210	0	0	0	0	0	312	0	329	293	304	0	327	277	311	0	327	300	299	0	311	288	0	0	0	0	0	
900	179	0	175	0	212	0	218	0	0	0	0	0	306	0	321	288	299	0	317	260	305	0	318	295	294	0	303	285	0	0	0	0	0	
1000	212	0	196	0	261	0	259	0	0	0	0	0	296	0	312	265	288	0	327	237	295	0	304	276	285	0	294	277	0	0	0	0	0	
1100	151	0	150	0	170	0	182	0	0	0	0	0	295	0	316	257	287	0	315	231	291	0	313	228	278	0	303	245	0	0	0	0	0	
1200	175	0	163	0	196	0	205	0	0	0	0	0	296	0	315	262	290	0	321	242	295	0	313	228	281	0	300	236	0	0	0	0	0	
1300	145	0	138	0	170	0	174	0	0	0	0	0	306	0	327	281	299	0	321	265	306	0	324	293	294	0	310	279	0	0	0	0	0	
1400	141	0	136	0	168	0	168	0	0	0	0	0	299	0	323	272	292	0	322	265	296	0	309	227	285	0	299	262	0	0	0	0	0	
1500	143	0	138	0	164	0	173	0	0	0	0	0	304	0	330	288	296	0	326	266	300	0	314	278	287	0	303	266	0	0	0	0	0	
1600	128	0	123	0	147	0	153	0	0	0	0	0	305	0	330	283	297	0	345	261	302	0	323	289	290	0	310	279	0	0	0	0	0	
1700	104	0	98	0	109	0	118	0	0	0	0	0	293	0	319	259	287	0	322	250	290	0	318	227	276	0	305	224	0	0	0	0	0	
1800	80	0	74	0	93	0	98	0	0	0	0	0	301	0	339	265	292	0	328	242	294	0	326	227	282	0	317	219	0	0	0	0	0	
1900	110	0	105	0	121	0	127	0	0	0	0	0	300	0	326	271	293	0	327	255	293	0	315	228	281	0	301	247	0	0	0	0	0	
2000	75	0	68	0	83	0	89	0	0	0	0	0	309	0	0	281	302	0	13	270	310	0	337	282	298	0	351	271	0	0	0	0	0	
2100	83	0	78	0	94	0	98	0	0	0	0	0	310	0	335	275	303	0	323	261	308	0	336	293	297	0	320	265	0	0	0	0	0	
2200	69	0	64	0	75	0	79	0	0	0	0	0	299	0	326	277	292	0	321	270	298	0	320	226	283	0	311	252	0	0	0	0	0	
2300	56	0	54	0	68	0	73	0	0	0	0	0	295	0	342	230	289	0	347	220	289	0	317	206	272	0	304	198	0	0	0	0	0	
2400	42	0	31	0	71	0	66	0	0	0	0	0	203	0	246	194	203	0	260	138	214	0	242	201	204	0	238	177	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN	S
100	235	0	239	0	237	0	239	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
200	233	0	239	0	235	0	237	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
300	230	0	233	0	230	0	231	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
400	239	0	235	0	233	0	233	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
500	237	0	242	0	240	0	242	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
600	237	0	242	0	239	0	240	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
700	235	0	239	0	235	0	235	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
800	233	0	237	0	237	0	237	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
900	233	0	239	0	240	0	242	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1000	215	0	219	0	219	0	221	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1100	212	0	215	0	212	0	213	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1200	206	0	210	0	212	0	212	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1300	201	0	204	0	204	0	204	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1400	199	0	203	0	199	0	199	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	
1600	195	0	201	0	195	0	195	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1700	197	0	201	0	197	0	197	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1800	195	0	199	0	197	0	197	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1900	195	0	199	0	199	0	199	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2000	197	0	201	0	199	0	199	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2100	199	0	204	0	192	0	192	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2200	199	0	203	0	192	0	192	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2300	199	0	204	0	195	0	195	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2400	179	0	185	0	177	0	177	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN S	MAX	S	WIND DIR5	MIN S	MAX	S	WIND DIR6	S
100	69	0	58	0	102	0	97	0	0	0	0	0	222	0	253	181	222	0	266	174	215	0	248	138	207	0	236	169	0	0	0	0	0	U
200	96	0	79	0	130	0	123	0	0	0	0	0	219	0	278	182	218	0	260	175	214	0	247	204	207	0	232	181	0	0	0	0	0	U
300	46	0	39	0	72	0	65	0	0	0	0	0	188	0	220	142	188	0	222	132	212	0	235	204	201	0	231	181	0	0	0	0	0	U
400	60	0	51	0	97	0	85	0	0	0	0	0	186	0	217	149	187	0	235	137	209	0	222	200	198	0	210	178	0	0	0	0	0	U
500	54	0	53	0	104	0	88	0	0	0	0	0	174	0	213	137	173	0	211	131	213	0	223	161	186	0	197	172	0	0	0	0	0	U
600	67	0	62	0	112	0	98	0	0	0	0	0	180	0	228	138	178	0	232	132	209	0	217	204	202	0	210	187	0	0	0	0	0	U
700	69	0	64	0	139	0	106	0	0	0	0	0	169	0	206	134	171	0	210	128	213	0	225	138	180	0	192	166	0	0	0	0	0	U
800	71	0	68	0	146	0	117	0	0	0	0	0	168	0	195	133	167	0	209	114	191	0	225	137	178	0	192	168	0	0	0	0	0	U
900	71	0	72	0	149	0	140	0	0	0	0	0	157	0	179	128	160	0	198	125	150	0	225	138	163	0	179	144	0	0	0	0	0	U
1000	74	0	77	0	133	0	111	0	0	0	0	0	154	0	205	122	155	0	193	114	152	0	214	121	158	0	181	127	0	0	0	0	0	U
1100	70	0	72	0	98	0	94	0	0	0	0	0	156	0	187	120	155	0	211	121	151	0	224	132	157	0	176	138	0	0	0	0	0	U
1200	67	0	72	0	99	0	98	0	0	0	0	0	146	0	206	107	150	0	210	109	149	0	224	115	150	0	185	114	0	0	0	0	0	U
1300	46	0	53	0	77	0	76	0	0	0	0	0	152	0	229	109	152	0	221	98	163	0	223	115	154	0	187	118	0	0	0	0	0	U
1400	66	0	70	0	95	0	98	0	0	0	0	0	142	0	190	104	143	0	187	108	146	0	157	123	142	0	169	121	0	0	0	0	0	U
1500	73	0	78	0	102	0	108	0	0	0	0	0	135	0	163	107	137	0	187	98	140	0	157	117	138	0	161	118	0	0	0	0	0	U
1600	63	0	69	0	104	0	108	0	0	0	0	0	146	0	240	112	147	0	212	114	146	0	218	125	147	0	181	124	0	0	0	0	0	U
1700	55	0	51	0	99	0	98	0	0	0	0	0	158	0	214	122	158	0	226	109	152	0	222	122	156	0	172	107	0	0	0	0	0	U
1800	40	0	38	0	64	0	64	0	0	0	0	0	156	0	197	123	155	0	211	116	152	0	219	135	155	0	184	129	0	0	0	0	0	U
1900	42	0	40	0	69	0	72	0	0	0	0	0	136	0	154	121	137	0	165	114	140	0	150	126	136	0	153	119	0	0	0	0	0	U
2000	69	0	67	0	101	0	110	0	0	0	0	0	129	0	139	120	131	0	147	119	130	0	137	124	127	0	134	119	0	0	0	0	0	U
2100	76	0	73	0	107	0	117	0	0	0	0	0	124	0	140	110	126	0	147	99	123	0	138	113	120	0	131	108	0	0	0	0	0	U
2200	82	0	75	0	93	0	101	0	0	0	0	0	121	0	136	109	123	0	137	103	122	0	135	113	119	0	130	106	0	0	0	0	0	U
2300	82	0	79	0	114	0	122	0	0	0	0	0	125	0	133	112	126	0	137	113	125	0	129	119	121	0	128	113	0	0	0	0	0	U
2400	78	0	76	0	117	0	124	0	0	0	0	0	128	0	137	118	129	0	145	109	133	0	142	123	129	0	142	120	0	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	170	0	176	0	167	0	167	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
200	177	0	181	0	172	0	172	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
300	143	0	149	0	150	0	150	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
400	102	0	105	0	122	0	122	0	320	0	320	0	19	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
500	93	0	96	0	118	0	118	0	320	0	320	0	25	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
600	86	0	89	0	141	0	141	0	320	0	320	0	55	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
700	75	0	78	0	116	0	116	0	320	0	320	0	41	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
800	69	0	75	0	102	0	102	0	320	0	320	0	32	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
900	78	0	92	0	93	0	93	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
1000	131	0	139	0	113	0	113	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
1100	159	0	163	0	138	0	138	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
1200	176	0	179	0	154	0	154	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
1300	212	0	215	0	183	0	183	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
1400	221	0	224	0	201	0	201	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
1500	222	0	226	0	208	0	208	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
1600	239	0	242	0	224	0	224	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
1700	242	0	248	0	231	0	231	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
1800	239	0	244	0	235	0	235	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
1900	235	0	239	0	233	0	231	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
2000	224	0	228	0	226	0	226	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
2100	217	0	222	0	215	0	215	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
2200	219	0	224	0	213	0	213	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
2300	206	0	212	0	210	0	210	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U
2400	[illegible]		203	0	206	0	206	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	U

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	S
100	63	0	61	0	95	0	99	0	0	0	0	0	135	0	162	116	136	0	180	113	142	0	152	130	138	0	150	125	0	0	0	0	0	U
200	52	0	50	0	84	0	86	0	0	0	0	0	133	0	150	117	135	0	158	114	140	0	154	127	137	0	149	121	0	0	0	0	0	U
300	55	0	52	0	73	0	78	0	0	0	0	0	125	0	147	109	126	0	146	109	129	0	145	114	126	0	141	107	0	0	0	0	0	U
400	80	0	75	0	95	0	104	0	0	0	0	0	122	0	131	110	125	0	136	113	124	0	135	117	120	0	127	109	0	0	0	0	0	U
500	56	0	53	0	77	0	82	0	0	0	0	0	133	0	146	117	134	0	160	118	134	0	144	116	130	0	141	119	0	0	0	0	0	U
600	66	0	62	0	74	0	79	0	0	0	0	0	123	0	137	113	124	0	141	113	122	0	131	114	119	0	130	111	0	0	0	0	0	U
700	64	0	59	0	73	0	79	0	0	0	0	0	117	0	137	92	119	0	144	91	119	0	131	113	112	0	130	94	0	0	0	0	0	U
800	70	0	64	0	96	0	80	0	0	0	0	0	122	0	131	111	124	0	135	109	119	0	131	113	115	0	128	97	0	0	0	0	0	U
900	85	0	79	0	92	0	98	0	0	0	0	0	120	0	128	110	123	0	142	109	120	0	131	113	115	0	131	103	0	0	0	0	0	U
1000	65	0	65	0	78	0	81	0	0	0	0	0	131	0	149	108	131	0	146	104	128	0	143	113	124	0	139	100	0	0	0	0	0	U
1100	77	0	74	0	93	0	89	0	0	0	0	0	130	0	146	108	132	0	162	93	126	0	143	113	123	0	136	107	0	0	0	0	0	U
1200	72	0	68	0	86	0	92	0	0	0	0	0	129	0	148	110	130	0	152	104	127	0	143	113	123	0	136	108	0	0	0	0	0	U
1300	46	0	45	0	42	0	46	0	0	0	0	0	130	0	168	102	132	0	170	101	141	0	157	114	139	0	169	113	0	0	0	0	0	U
1400	35	0	31	0	40	0	43	0	0	0	0	0	133	0	176	102	134	0	180	97	139	0	157	114	135	0	168	100	0	0	0	0	0	U
1500	26	0	21	0	34	0	27	0	0	0	0	0	131	0	175	84	131	0	175	86	147	0	222	113	141	0	175	107	0	0	0	0	0	U
1600	16	0	10	0	10	0	13	0	0	0	0	0	114	0	139	61	114	0	142	58	123	0	196	96	104	0	134	78	0	0	0	0	0	U
1700	12	0	8	0	7	0	12	0	0	0	0	0	81	0	143	51	82	3	169	59	57	0	66	30	56	3	101	18	0	0	0	0	0	U
1800	17	0	10	0	12	0	15	0	0	0	0	0	114	0	137	89	117	0	136	93	107	0	134	46	92	3	117	62	0	0	0	0	0	U
1900	26	0	18	0	38	0	31	0	0	0	0	0	108	0	123	79	111	3	132	76	110	0	134	45	93	0	101	79	0	0	0	0	0	U
2000	22	0	15	0	31	0	26	0	0	0	0	0	109	0	129	96	113	3	136	81	117	0	127	113	106	0	117	95	0	0	0	0	0	U
2100	22	0	17	0	28	0	32	0	0	0	0	0	132	0	154	117	136	0	148	121	132	0	141	126	129	0	140	123	0	0	0	0	0	U
2200	21	0	13	0	34	0	38	0	0	0	0	0	136	0	157	114	139	0	177	114	150	0	155	143	146	0	152	140	0	0	0	0	0	U
2300	19	0	12	0	28	0	30	0	0	0	0	0	155	0	197	124	155	3	186	118	162	0	225	136	172	0	177	168	0	0	0	0	0	U
2400	31	0	26	0	59	0	63	0	0	0	0	0	140	0	174	116	143	3	182	114	154	0	157	136	150	0	156	135	0	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	203	0	208	0	208	0	208	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
200	208	0	213	0	210	0	212	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
300	206	0	212	0	210	0	212	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
400	212	0	215	0	215	0	217	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
500	213	0	219	0	215	0	215	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
600	210	0	213	0	213	0	213	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
700	203	0	212	0	210	0	210	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
800	212	0	215	0	215	0	215	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
900	219	0	224	0	221	0	222	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
1000	235	0	239	0	231	0	231	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
1100	239	0	244	0	237	0	237	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
1200	253	0	258	0	249	0	249	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
1300	267	0	271	0	268	0	260	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
1400	273	0	276	0	269	0	264	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
1500	282	0	285	0	286	0	267	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
1600	285	0	289	0	282	0	284	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
1700	275	0	278	0	276	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
1800	262	0	266	0	269	0	271	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
1900	258	0	262	0	267	0	269	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
2000	255	0	260	0	264	0	266	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
2100	251	0	257	0	260	0	262	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
2200	249	0	255	0	262	0	264	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
2300	251	0	257	0	260	0	260	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N
2400	251	0	257	0	257	0	258	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	U	N

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 Langley

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN S	MAX	WIND DIR5	MIN S	MAX	S	WIND DIR6
100	31	0	23	0	43	0	96	0	0	0	0	0	117	0	145	82	120	0	169	73	129	0	144	48	121	0	141	85	0	0	0	U
200	35	0	31	0	45	0	57	0	0	0	0	0	49	0	71	28	54	0	85	13	41	0	51	30	35	0	44	21	0	0	0	U
300	43	0	45	0	72	0	74	0	0	0	0	0	61	0	80	33	64	0	87	30	37	0	50	26	27	0	42	15	0	0	0	U
400	32	0	29	0	49	0	60	0	0	0	0	0	73	0	91	54	70	3	102	53	50	0	64	40	43	0	52	33	0	0	0	U
500	27	0	25	0	44	0	54	0	0	0	0	0	68	3	107	43	69	3	113	35	45	0	61	31	37	0	55	23	0	0	0	U
600	49	0	37	0	53	0	67	0	0	0	0	0	81	0	94	66	78	0	93	64	62	0	68	55	58	0	62	49	0	0	0	U
700	58	0	52	0	67	0	80	0	0	0	0	0	80	0	107	62	78	0	123	60	61	0	68	47	53	0	69	37	0	0	0	U
800	57	0	52	0	74	0	86	0	0	0	0	0	80	0	106	62	79	0	113	58	65	0	135	49	59	0	83	39	0	0	0	U
900	66	0	57	0	90	0	93	0	0	0	0	0	97	0	115	74	95	0	125	59	62	0	135	98	69	0	96	44	0	0	0	U
1000	54	0	45	0	81	0	63	0	0	0	0	0	116	0	137	94	118	0	166	87	115	0	135	48	97	0	121	68	0	0	0	U
1100	29	0	24	0	32	0	35	0	0	0	0	0	116	0	162	84	119	0	170	74	116	0	150	48	108	0	155	54	0	0	0	U
1200	27	0	23	0	36	0	28	0	0	0	0	0	134	0	177	53	137	3	175	52	141	0	216	114	141	0	183	99	0	0	0	U
1300	28	0	19	0	32	0	30	0	0	0	0	0	185	0	265	108	183	3	255	103	189	0	235	113	178	0	236	115	0	0	0	U
1400	26	0	21	0	32	0	29	0	0	0	0	0	253	0	350	180	185	3	265	91	202	0	247	131	195	0	255	141	0	0	0	U
1500	62	0	57	0	99	0	65	0	0	0	0	0	262	0	286	233	257	0	284	226	242	0	315	208	250	0	273	229	0	0	0	U
1600	156	0	149	0	170	0	176	0	0	0	0	0	270	0	300	239	264	0	299	231	277	0	314	227	261	0	303	229	0	0	0	U
1700	103	0	102	0	118	0	123	0	0	0	0	0	275	0	317	246	268	0	311	225	277	0	316	225	262	0	308	216	0	0	0	U
1800	118	0	117	0	137	0	137	0	0	0	0	0	266	0	281	229	262	0	284	227	236	0	305	226	251	0	269	228	0	0	0	U
1900	105	0	103	0	135	0	133	0	0	0	0	0	255	0	281	235	251	0	283	220	242	0	247	228	241	0	257	197	0	0	0	U
2000	66	0	61	0	79	0	83	0	0	0	0	0	249	0	283	199	244	0	283	186	231	0	247	203	228	0	257	165	0	0	0	U
2100	62	0	57	0	81	0	76	0	0	0	0	0	214	0	255	151	214	0	256	142	209	0	226	135	200	0	220	173	0	0	0	U
2200	62	0	51	0	75	0	70	0	0	0	0	0	223	0	249	195	220	0	255	180	213	0	231	203	205	0	229	176	0	0	0	U
2300	68	0	60	0	84	0	85	0	0	0	0	0	232	0	274	205	230	0	270	186	221	0	247	203	212	0	242	187	0	0	0	U
2400	57	0	45	0	81	0	78	0	0	0	0	0	223	0	263	167	220	0	258	165	214	0	237	203	204	0	230	175	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	249	0	255	0	295	0	255	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
200	246	0	251	0	283	0	253	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
300	249	0	253	0	293	0	255	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
400	240	0	246	0	249	0	249	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
500	239	0	244	0	244	0	246	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
600	235	0	239	0	244	0	246	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
700	231	0	237	0	239	0	239	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
800	226	0	231	0	233	0	235	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
900	224	0	228	0	237	0	239	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1000	240	0	246	0	244	0	244	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1100	262	0	266	0	248	0	260	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1200	287	0	291	0	280	0	280	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1300	293	0	296	0	278	0	280	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1400	300	0	305	0	291	0	291	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1500	287	0	293	0	293	0	294	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1600	262	0	266	0	262	0	262	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1700	260	0	266	0	260	0	260	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1800	255	0	258	0	285	0	255	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1900	246	0	251	0	248	0	249	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2000	237	0	242	0	240	0	242	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2100	231	0	237	0	233	0	235	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2200	221	0	226	0	232	0	224	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2300	212	0	215	0	232	0	212	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2400	203	0	203	0	203	0	204	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6	S
100	58	0	45	0	72	0	70	0	0	0	0	0	221	0	257	185	217	0	250	169	213	0	243	165	205	0	240	170	0	0	0	0	0	U
200	53	0	37	0	100	0	92	0	0	0	0	0	199	0	222	174	198	0	250	159	207	0	216	203	201	0	214	187	0	0	0	0	0	U
300	63	0	57	0	113	0	98	0	0	0	0	0	175	0	194	146	173	0	203	140	208	0	216	203	201	0	211	186	0	0	0	0	0	U
400	69	0	62	0	130	0	116	0	0	0	0	0	179	0	210	147	178	0	222	136	207	0	219	203	197	0	209	184	0	0	0	0	0	U
500	52	0	47	0	113	0	87	0	0	0	0	0	162	0	189	135	162	0	198	114	201	0	225	136	178	0	201	157	0	0	0	0	0	U
600	61	0	55	0	109	0	89	0	0	0	0	0	147	0	171	119	146	0	177	114	163	0	224	136	169	0	195	137	0	0	0	0	0	U
700	56	0	51	0	97	0	88	0	0	0	0	0	143	0	165	122	143	0	169	114	151	0	157	140	157	0	169	141	0	0	0	0	0	U
800	64	0	62	0	112	0	108	0	0	0	0	0	141	0	170	117	141	0	175	114	152	0	157	137	154	0	173	135	0	0	0	0	0	U
900	71	0	72	0	107	0	110	0	0	0	0	0	139	0	166	112	142	0	170	114	150	0	157	133	146	0	156	130	0	0	0	0	0	U
1000	73	0	72	0	106	0	106	0	0	0	0	0	143	0	169	113	144	0	175	115	148	0	157	127	148	0	168	124	0	0	0	0	0	U
1100	72	0	69	0	108	0	110	0	0	0	0	0	144	0	182	103	144	0	191	103	148	0	156	135	149	0	175	130	0	0	0	0	0	U
1200	85	0	81	0	109	0	114	0	0	0	0	0	144	0	165	106	146	0	176	113	148	0	216	118	145	0	163	112	0	0	0	0	0	U
1300	100	0	95	0	148	0	151	0	0	0	0	0	151	0	191	115	152	0	209	120	149	0	156	120	148	0	171	120	0	0	0	0	0	U
1400	79	0	79	0	113	0	119	0	0	0	0	0	142	0	178	110	143	0	180	102	149	0	156	113	143	0	172	110	0	0	0	0	0	U
1500	81	0	78	0	139	0	125	0	0	0	0	0	150	0	191	97	151	0	197	97	149	0	156	124	149	0	167	123	0	0	0	0	0	U
1600	77	0	75	0	112	0	114	0	0	0	0	0	156	0	214	117	154	0	219	90	150	0	216	129	150	0	183	123	0	0	0	0	0	U
1700	66	0	65	0	93	0	98	0	0	0	0	0	139	0	153	118	136	0	175	115	138	0	148	126	135	0	146	123	0	0	0	0	0	U
1800	83	0	85	0	139	0	140	0	0	0	0	0	139	0	149	115	136	0	165	109	137	0	154	127	133	0	143	119	0	0	0	0	0	U
1900	89	0	92	0	103	0	166	0	0	0	0	0	138	0	154	122	138	0	163	114	142	0	155	130	138	0	150	127	0	0	0	0	0	U
2000	84	0	82	0	137	0	142	0	0	0	0	0	131	0	145	120	132	0	148	119	137	0	145	124	133	0	142	122	0	0	0	0	0	U
2100	83	0	82	0	152	0	154	0	0	0	0	0	133	0	147	121	135	0	150	118	140	0	149	127	136	0	144	119	0	0	0	0	0	U
2200	79	0	78	0	129	0	130	0	0	0	0	0	138	0	151	124	140	0	167	119	144	0	154	132	141	0	150	130	0	0	0	0	0	U
2300	74	0	71	0	114	0	118	0	0	0	0	0	137	0	153	123	139	0	165	119	144	0	155	131	141	0	150	130	0	0	0	0	0	U
2400	68	0	62	0	108	0	112	0	0	0	0	0	140	0	169	125	139	0	165	114	147	0	156	131	143	0	154	128	0	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	KRAIN
100	158	0	163	0	170	0	170	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
200	118	0	123	0	158	0	158	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
300	95	0	100	0	163	0	163	0	320	0	320	0	43	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
400	86	0	91	0	149	0	161	0	320	0	320	0	50	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
500	69	0	73	0	129	0	129	0	320	0	320	0	32	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
600	78	0	84	0	134	0	136	0	320	0	320	0	28	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
700	98	0	104	0	136	0	136	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
800	109	0	114	0	145	0	147	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
900	136	0	141	0	165	0	167	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
1000	156	0	161	0	177	0	179	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
1100	186	0	190	0	198	0	190	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
1200	217	0	222	0	213	0	213	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
1300	255	0	260	0	242	0	242	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
1400	278	0	284	0	264	0	266	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
1500	289	0	294	0	271	0	273	0	320	0	320	0	-27	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
1600	296	0	300	0	284	0	284	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
1700	284	0	289	0	282	0	282	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
1800	266	0	271	0	273	0	275	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
1900	255	0	260	0	269	0	269	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
2000	248	0	253	0	258	0	260	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
2100	244	0	249	0	257	0	258	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
2200	255	0	258	0	265	0	257	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
2300	264	0	267	0	262	0	262	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U
2400	267	0	273	0	266	0	267	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	U	U

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	62	0	59	0	101	0	106	0	—	0	0	0	141	0	166	119	141	0	175	114	149	0	156	130	145	0	159	129	0	0	0	0	U
200	63	0	60	0	106	0	110	0		0	0	0	140	0	160	125	141	0	170	114	151	0	156	138	148	0	157	138	0	0	0	0	U
300	52	0	46	0	01	0	84	0		0	0	0	135	0	159	121	134	0	169	116	145	0	156	131	144	0	176	129	0	0	0	0	U
400	61	0	54	0	75	0	80	0		0	0	0	123	0	134	110	124	0	140	103	130	0	148	117	126	0	135	111	0	0	0	0	U
500	57	0	52	0	01	0	85	0		0	0	0	128	0	145	117	129	0	161	103	132	0	144	120	129	0	140	117	0	0	0	0	U
600	70	0	63	0	00	0	85	0		0	0	0	120	0	130	110	122	0	135	107	121	0	127	113	117	0	124	105	0	0	0	0	U
700	54	0	50	0	69	0	74	0		0	0	0	130	0	147	115	130	0	146	112	131	0	146	118	127	0	136	116	0	0	0	0	U
800	76	0	69	0	03	0	86	0		0	0	0	121	0	139	108	123	0	146	108	119	0	131	113	113	0	125	88	0	0	0	0	U
900	83	0	76	0	92	0	96	0		0	0	0	121	0	131	108	122	0	135	95	117	0	128	113	112	0	129	98	0	0	0	0	U
1000	83	0	76	0	90	0	94	0		0	0	0	122	0	133	104	123	0	142	97	118	0	131	113	112	0	127	91	0	0	0	0	U
1100	99	0	90	0	106	0	108	0		0	0	0	111	0	129	89	112	0	137	86	120	0	132	53	99	0	117	84	0	0	0	0	U
1200	109	0	105	0	131	0	124	0		0	0	0	116	0	131	101	118	0	142	80	119	0	131	113	103	0	127	86	0	0	0	0	U
1300	95	0	88	0	108	0	108	0		0	0	0	106	0	125	73	107	0	136	67	118	0	134	48	95	0	119	77	0	0	0	0	U
1400	100	0	94	0	114	0	117	0		0	0	0	118	0	142	97	117	0	146	91	118	0	130	50	103	0	122	77	0	0	0	0	U
1500	103	0	98	0	113	0	116	0		0	0	0	118	0	137	83	120	0	146	80	118	0	142	49	109	0	129	83	0	0	0	0	U
1600	105	0	100	0	105	0	129	0		0	0	0	122	0	140	88	124	0	149	85	119	0	137	64	107	0	125	78	0	0	0	0	U
1700	118	0	116	0	139	0	143	0		0	0	0	118	0	144	96	121	0	141	86	117	0	127	113	107	0	118	89	0	0	0	0	U
1800	113	0	104	0	133	0	137	0		0	0	0	114	0	130	89	116	0	135	68	119	0	131	113	102	0	119	83	0	0	0	0	U
1900	132	0	126	0	157	0	161	0		0	0	0	114	0	132	96	114	0	140	80	119	0	133	113	101	0	126	86	0	0	0	0	U
2000	156	0	151	0	190	0	190	0		0	0	0	113	0	127	89	114	0	132	69	121	0	140	49	98	0	112	83	0	0	0	0	U
2100	154	0	152	0	185	0	188	0		0	0	0	120	0	132	105	124	0	146	96	117	0	138	113	110	0	130	92	0	0	0	0	U
2200	145	0	142	0	177	0	181	0		0	0	0	119	0	135	99	120	0	141	91	118	0	128	113	109	0	124	92	0	0	0	0	U
2300	148	0	141	0	180	0	182	0		0	0	0	116	0	131	100	116	0	136	80	118	0	132	49	103	0	118	84	0	0	0	0	U
2400	173	0	166	0	201	0	207	0		0	0	0	118	0	133	84	119	0	140	93	116	0	129	93	107	0	122	89	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	269	0	275	0	271	0	271	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	11	
200	273	0	278	0	276	0	276	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
300	275	0	280	0	282	0	282	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
400	275	0	280	0	275	0	275	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	000		0	0	0	0	0	0	0	0	0	
500	271	0	276	0	275	0	275	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
600	271	0	276	0	273	0	273	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
700	269	0	275	0	269	0	269	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
800	267	0	273	0	267	0	269	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
900	271	0	276	0	275	0	275	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1000	273	0	278	0	278	0	278	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1100	269	0	275	0	275	0	275	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1200	276	0	282	0	280	0	280	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1300	284	0	287	0	284	0	285	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1400	287	0	293	0	289	0	289	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1500	293	0	298	0	294	0	294	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1600	296	0	300	0	298	0	298	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1700	293	0	298	0	293	0	294	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1800	287	0	293	0	289	0	289	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1900	282	0	285	0	282	0	282	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2000	275	0	290	0	276	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2100	269	0	275	0	269	0	269	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2200	266	0	269	0	262	0	262	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2300	259	0	260	0	261	0	253	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2400			249	0	244	0	244	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	S
100	167	0	157	0	199	0	199	0	0	0	0	0	117	0	133	103	118	0	140	92	118	0	132	113	107	0	125	88	0	0	0	0	0	0	0
200	167	0	160	0	195	0	199	0	0	0	0	0	115	0	129	96	116	0	136	86	118	0	131	113	105	0	124	84	0	0	0	0	0	0	0
300	174	0	172	0	207	0	212	0	0	0	0	0	116	0	131	98	116	0	136	91	119	0	132	113	104	0	118	81	0	0	0	0	0	0	0
400	169	0	161	0	197	0	199	0	0	0	0	0	113	0	126	89	115	0	136	86	119	0	132	96	102	0	116	84	0	0	0	0	0	0	0
500	174	0	167	0	202	0	208	0	0	0	0	0	118	0	133	96	119	0	141	74	117	0	134	113	108	0	129	89	0	0	0	0	0	0	0
600	164	0	152	0	189	0	192	0	0	0	0	0	114	0	134	98	113	0	135	91	118	0	130	47	102	0	129	84	0	0	0	0	0	0	0
700	154	0	145	0	182	0	185	0	0	0	0	0	113	0	132	87	112	0	143	86	120	0	133	113	102	0	117	89	0	0	0	0	0	0	0
800	138	0	132	0	170	0	175	0	0	0	0	0	110	0	132	86	111	0	142	78	119	0	132	49	100	0	124	73	0	0	0	0	0	0	0
900	154	0	150	0	179	0	183	0	0	0	0	0	114	0	130	83	116	0	145	74	118	0	129	52	105	0	123	85	0	0	0	0	0	0	0
1000	153	0	145	0	173	0	178	0	0	0	0	0	115	0	132	97	117	0	137	91	117	0	131	112	104	0	123	79	0	0	0	0	0	0	0
1100	140	0	133	0	166	0	168	0	0	0	0	0	116	0	132	97	116	0	137	86	117	0	133	48	106	0	122	84	0	0	0	0	0	0	0
1200	167	0	160	0	189	0	186	0	0	0	0	0	116	0	135	92	119	0	142	86	115	0	132	46	101	0	119	76	0	0	0	0	0	0	0
1300	169	0	157	0	186	0	186	0	0	0	0	0	113	0	126	100	113	0	131	87	120	0	132	67	99	0	112	79	0	0	0	0	0	0	0
1400	147	0	138	0	172	0	173	0	0	0	0	0	110	0	132	90	110	0	141	86	121	0	131	61	97	0	122	78	0	0	0	0	0	0	0
1500	144	0	134	0	169	0	185	0	0	0	0	0	105	0	124	82	106	0	138	69	118	0	132	46	93	0	121	66	0	0	0	0	0	0	0
1600	132	0	123	0	158	0	158	0	0	0	0	0	102	0	136	83	102	0	136	75	105	0	133	45	88	0	116	55	0	0	0	0	0	0	0
1700	122	0	114	0	143	0	144	0	0	0	0	0	103	0	118	82	102	0	130	72	107	0	134	46	90	0	119	55	0	0	0	0	0	0	0
1800	138	0	125	0	159	0	160	0	0	0	0	0	112	0	132	92	112	0	137	79	114	0	133	45	97	0	113	66	0	0	0	0	0	0	0
1900	112	0	101	0	139	0	142	0	0	0	0	0	109	0	120	86	103	0	136	70	118	0	133	46	91	0	118	77	0	0	0	0	0	0	0
2000	134	0	121	0	170	0	169	0	0	0	0	0	107	0	129	76	107	0	142	68	120	0	133	44	94	0	111	75	0	0	0	0	0	0	0
2100	117	0	108	0	148	0	150	0	0	0	0	0	107	0	122	78	108	0	131	86	116	0	133	45	93	0	111	77	0	0	0	0	0	0	0
2200	156	0	143	0	189	0	189	0	0	0	0	0	108	0	132	93	108	0	135	80	116	0	133	47	94	0	115	79	0	0	0	0	0	0	0
2300	166	0	154	0	202	0	203	0	0	0	0	0	111	0	127	93	114	0	143	87	123	0	132	48	97	0	108	77	0	0	0	0	0	0	0
2400	164	0	152	0	202	0	204	0	0	0	0	0	109	0	126	94	106	0	132	64	120	0	132	46	93	0	110	76	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 160A	S	D.T. 2 160B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	237	0	242	0	237	0	237	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	230	0	235	0	230	0	230	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	224	0	230	0	224	0	224	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	219	0	224	0	219	0	219	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	219	0	224	0	219	0	219	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	219	0	224	0	219	0	219	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	219	0	222	0	217	0	217	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	217	0	221	0	217	0	217	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	215	0	221	0	221	0	221	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	221	0	226	0	212	0	213	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	235	0	239	0	234	0	226	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	253	0	258	0	242	0	242	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	260	0	266	0	249	0	249	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	273	0	276	0	260	0	260	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	275	0	280	0	262	0	264	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	276	0	282	0	271	0	271	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	276	0	282	0	276	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	271	0	276	0	271	0	271	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	266	0	271	0	264	0	264	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	262	0	267	0	258	0	258	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	255	0	260	0	251	0	253	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	249	0	253	0	246	0	246	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	237	0	240	0	233	0	233	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	219	0	224	0	213	0	213	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	139	0	126	0	102	0	183	0	0	0	0	0	108	0	126	89	108	0	136	75	120	0	133	46	94	0	109	79	0	0	0	0
200	147	0	138	0	201	0	203	0	0	0	0	0	108	0	126	92	110	0	148	84	129	0	132	51	99	0	106	79	0	0	0	0
300	149	0	139	0	199	0	200	0	0	0	0	0	105	0	122	88	104	0	129	68	117	0	133	46	90	0	99	76	0	0	0	0
400	127	0	120	0	197	0	188	0	0	0	0	0	104	0	123	86	104	0	142	75	123	0	133	45	91	0	104	77	0	0	0	0
500	92	0	86	0	132	0	120	0	0	0	0	0	91	0	110	79	92	0	118	58	63	0	133	45	80	0	96	70	0	0	0	0
600	84	0	79	0	115	0	114	0	0	0	0	0	90	0	111	69	89	0	113	69	58	0	133	46	77	0	88	65	0	0	0	0
700	112	0	106	0	151	0	148	0	0	0	0	0	92	0	113	73	92	0	124	62	55	0	133	45	77	0	90	63	0	0	0	0
800	97	0	92	0	133	0	134	0	0	0	0	0	87	0	111	73	84	0	118	58	59	0	132	45	72	0	85	59	0	0	0	0
900	63	0	62	0	91	0	87	0	0	0	0	0	73	0	92	60	71	0	97	24	62	0	65	51	61	0	75	49	0	0	0	0
1000	81	0	80	0	114	0	91	0	0	0	0	0	78	0	103	56	77	0	124	56	60	0	130	45	65	0	92	47	0	0	0	0
1100	72	0	68	0	77	0	81	0	0	0	0	0	82	0	110	58	81	0	114	39	63	0	133	46	70	0	103	47	0	0	0	0
1200	73	0	73	0	90	0	90	0	0	0	0	0	104	0	147	63	104	0	147	63	81	0	106	48	81	0	106	48	0	0	0	0
1300	75	0	75	0	100	0	80	0	0	0	0	0	90	0	131	64	90	0	131	64	76	0	108	48	76	0	108	48	0	0	0	0
1400	69	0	69	0	73	0	73	0	0	0	0	0	83	0	132	23	83	0	132	23	66	0	117	31	66	0	117	31	0	0	0	0
1500	65	0	65	0	73	0	73	0	0	0	0	0	67	0	92	30	67	0	92	30	52	0	79	28	52	0	79	28	0	0	0	0
1600	59	0	59	0	88	0	68	0	0	0	0	0	64	0	113	2	64	0	113	2	48	0	86	14	48	0	86	14	0	0	0	0
1700	45	0	45	0	48	0	58	0	0	0	0	0	65	0	97	41	66	0	99	23	71	0	93	4	47	0	72	17	0	0	0	0
1800	49	0	49	0	40	0	68	0	0	0	0	0	54	0	76	32	59	0	85	18	62	0	93	4	40	0	65	14	0	0	0	0
1900	60	0	61	0	71	0	84	0	0	0	0	0	68	0	88	48	69	0	91	40	76	0	93	4	52	0	63	30	0	0	0	0
2000	75	0	73	0	99	0	106	0	0	0	0	0	79	0	102	62	78	0	102	47	75	0	87	72	62	0	77	48	0	0	0	0
2100	91	0	84	0	127	0	131	0	0	0	0	0	86	0	101	72	86	0	115	57	81	0	87	74	70	0	76	62	0	0	0	0
2200	93	0	87	0	141	0	141	0	0	0	0	0	93	0	108	82	93	0	113	68	92	0	100	87	82	0	89	77	0	0	0	0
2300	82	0	79	0	120	0	119	0	0	0	0	0	95	0	103	81	94	0	108	79	92	0	99	87	82	0	89	77	0	0	0	0
2400	89	0	83	0	139	0	129	0	0	0	0	0	102	0	109	93	102	0	121	68	98	0	100	94	88	0	90	86	0	0	0	0

	AMB. TEMP1 30 A	S	AMB. TEMP2 30 B	S	AMB. TEMP3 150A	S	AMB. TEMP4 150B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	199	0	203	0	194	0	194	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	177	0	181	0	176	0	176	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	161	0	167	0	161	0	161	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	149	0	154	0	149	0	150	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	140	0	145	0	140	0	140	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	129	0	134	0	129	0	129	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	129	0	132	0	127	0	129	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	129	0	132	0	127	0	127	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	129	0	134	0	127	0	127	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	147	0	152	0	138	0	138	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	179	0	183	0	165	0	165	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	222	0	222	0	208	0	208	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	246	0	246	0	231	0	231	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	266	0	266	0	316	2	299	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	276	0	276	0	262	0	262	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	287	0	287	0	282	0	282	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	284	0	289	0	282	0	282	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	278	0	284	0	276	0	276	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	262	0	267	0	267	0	267	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	237	0	242	0	242	0	244	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	222	0	228	0	237	0	237	0	320	0	320	0	7	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	206	0	212	0	224	0	224	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	195	0	201	0	208	0	208	0	320	0	320	0	12	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	185	0	190	0	199	0	201	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	90	0	83	0	124	0	124	0	0	0	0	0	100	0	104	95	101	0	119	87	96	0	99	93	87	0	89	84	0	0	0	0
200	64	0	77	0	111	0	113	0	0	0	0	0	100	0	106	91	100	0	113	90	101	0	105	99	92	0	97	88	0	0	0	0
300	84	0	77	0	104	0	107	0	0	0	0	0	108	0	111	104	108	0	113	103	115	0	115	111	108	0	111	106	0	0	0	0
400	75	0	69	0	95	0	99	0	0	0	0	0	109	0	112	107	111	0	113	108	107	0	110	104	117	0	118	115	0	0	0	0
500	59	0	48	0	74	0	77	0	0	0	0	0	121	0	126	116	123	0	130	119	170	0	182	161	143	0	152	131	0	0	0	0
600	61	0	56	0	70	0	73	0	0	0	0	0	131	0	135	125	133	0	136	126	162	0	167	161	151	0	157	146	0	0	0	0
700	54	0	47	0	35	0	29	0	0	0	0	0	131	0	135	128	133	0	136	126	179	0	195	166	170	0	223	159	0	0	0	0
800	53	0	46	0	40	0	33	0	0	0	0	0	129	0	137	125	130	0	136	126	179	0	194	171	168	0	183	126	0	0	0	0
900	66	0	59	0	72	0	57	0	0	0	0	0	155	0	171	140	156	0	180	142	179	0	190	167	174	0	252	157	0	0	0	0
1000	57	0	54	0	83	0	82	0	0	0	0	0	143	0	169	112	143	0	169	108	166	0	182	99	155	0	174	140	0	0	0	0
1100	45	0	40	0	46	0	45	0	0	0	0	0	137	0	173	101	138	0	176	101	170	0	205	161	156	0	184	115	0	0	0	0
1200	57	0	54	0	68	0	68	0	0	0	0	0	150	0	182	109	151	0	192	113	168	0	199	161	154	0	190	133	0	0	0	0
1300	49	0	42	0	60	0	54	0	0	0	0	0	270	0	324	226	264	0	311	193	266	0	295	188	253	0	307	212	0	0	0	0
1400	35	0	35	0	50	0	53	0	0	0	0	0	111	0	177	20	117	0	175	50	145	0	268	94	139	0	256	90	0	0	0	0
1500	47	0	42	0	40	0	44	0	0	0	0	0	265	0	300	236	260	0	312	220	251	0	278	184	234	0	274	190	0	0	0	0
1600	42	0	37	0	37	0	39	0	0	0	0	0	263	0	289	221	259	0	283	214	292	0	290	182	224	0	260	121	0	0	0	0
1700	38	0	33	0	61	0	54	0	0	0	0	0	181	0	263	106	177	0	265	92	183	0	263	98	177	0	257	94	0	0	0	0
1800	36	0	28	0	62	0	55	0	0	0	0	0	174	0	227	116	171	3	232	129	176	0	201	161	167	0	215	140	0	0	0	0
1900	33	0	26	0	76	0	55	0	0	0	0	0	178	0	210	155	173	3	214	135	192	0	199	188	193	0	268	172	0	0	0	0
2000	48	0	43	0	72	0	58	0	0	0	0	0	169	0	206	146	166	0	203	135	182	0	184	178	172	0	174	167	0	0	0	0
2100	57	0	51	0	92	0	71	0	0	0	0	0	161	0	178	137	160	0	181	135	178	0	182	178	169	0	170	167	0	0	0	0
2200	63	0	58	0	133	0	119	0	0	0	0	0	163	0	185	141	162	0	191	138	173	0	179	171	164	0	167	162	0	0	0	0
2300	61	0	51	0	150	0	119	0	0	0	0	0	181	0	213	122	191	0	237	135	194	0	200	187	189	0	202	169	0	0	0	0
2400	61	0	50	0	138	0	102	0	0	0	0	0	181	0	210	146	180	0	215	136	190	0	195	179	188	0	269	170	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	SUNRISE
100	177	0	185	0	195	0	195	0	320	0	320	0	18	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
200	172	0	177	0	190	0	192	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
300	163	0	168	0	188	0	188	0	320	0	320	0	23	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
400	152	0	158	0	188	0	188	0	320	0	320	0	30	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
500	147	0	152	0	204	0	204	0	320	0	320	0	52	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
600	145	0	150	0	208	0	208	0	320	0	320	0	57	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
700	140	0	145	0	206	0	206	0	320	0	320	0	63	0	57	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
800	131	0	136	0	204	0	204	0	320	0	320	0	66	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
900	136	0	140	0	204	0	206	0	320	0	320	0	61	0	57	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1000	183	0	186	0	194	0	194	0	320	0	320	0	0	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1100	246	0	249	0	231	0	233	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1200	276	0	282	0	262	0	264	0	320	0	320	0	-21	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1300	305	0	311	0	293	0	294	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1400	325	0	327	0	300	0	302	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1500	316	0	321	0	316	0	316	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1600	323	0	329	0	314	0	314	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1700	323	0	329	0	312	0	314	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1800	291	0	298	0	300	0	302	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1900	280	0	287	0	300	0	300	0	320	0	320	0	12	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2000	269	0	276	0	298	0	298	0	320	0	320	0	21	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2100	258	0	266	0	298	0	298	0	320	0	320	0	30	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2200	251	0	257	0	284	0	284	0	320	0	320	0	27	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2300	239	0	246	0	278	0	278	0	320	0	320	0	34	0	30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2400	231	0	239	0	260	0	262	0	320	0	320	0	25	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	MIN	MAX
														50 B	S		150A	S		150B	S			S			S			S
100	56	0	42	0	104	0	118	0	0	0	0	0	187	0	224	146	186	0	229	131	195	0	201	184	187	0	234	174	0	0	0
200	53	0	39	0	101	0	102	0	0	0	0	0	184	0	237	137	183	0	259	125	187	0	204	171	182	0	266	153	0	0	0
300	64	0	51	0	101	0	104	0	0	0	0	0	186	0	223	129	184	0	237	126	189	0	201	170	185	0	262	164	0	0	0
400	66	0	51	0	107	0	117	0	0	0	0	0	194	0	251	120	189	0	242	119	192	0	205	178	187	0	247	164	0	0	0
500	60	0	46	0	100	0	99	0	0	0	0	0	193	0	235	129	190	0	255	131	188	0	204	173	182	0	238	122	0	0	0
600	65	0	55	0	103	0	105	0	0	0	0	0	176	0	229	137	175	0	214	141	189	0	204	173	183	0	237	142	0	0	0
700	81	0	67	0	103	0	128	0	0	0	0	0	182	0	247	113	181	0	227	113	186	0	200	172	183	0	269	156	0	0	0
800	80	0	72	0	106	0	128	0	0	0	0	0	169	0	196	122	168	0	218	125	182	0	200	161	174	0	223	146	0	0	0
900	72	0	63	0	107	0	110	0	0	0	0	0	169	0	232	126	167	0	244	101	178	0	201	98	171	0	216	128	0	0	0
1000	66	0	56	0	107	0	103	0	0	0	0	0	177	0	263	100	169	0	267	90	178	0	204	96	171	0	219	130	0	0	0
1100	93	0	73	0	101	0	117	0	0	0	0	0	186	0	242	139	186	0	266	112	185	0	201	161	179	0	254	146	0	0	0
1200	74	0	66	0	105	0	108	0	0	0	0	0	182	0	269	115	178	0	257	97	182	0	205	161	172	0	218	139	0	0	0
1300	83	0	76	0	108	0	115	0	0	0	0	0	174	0	225	99	174	0	231	104	181	0	205	98	174	0	208	124	0	0	0
1400	77	0	65	0	107	0	100	0	0	0	0	0	179	0	263	115	173	0	259	119	179	0	205	103	170	0	213	136	0	0	0
1500	59	0	50	0	101	0	90	0	0	0	0	0	167	0	236	97	163	0	223	91	175	0	204	111	164	0	205	123	0	0	0
1600	73	0	59	0	105	0	105	0	0	0	0	0	193	0	256	130	193	0	264	120	186	0	205	163	182	0	234	151	0	0	0
1700	67	0	60	0	106	0	101	0	0	0	0	0	178	0	241	1166	177	0	260	90	184	0	260	161	173	0	206	115	0	0	0
1800	77	0	68	0	108	0	116	0	0	0	0	0	182	0	222	96	179	0	221	90	182	0	204	164	176	0	248	149	0	0	0
1900	77	0	68	0	107	0	131	0	0	0	0	0	173	0	223	136	172	0	231	111	177	0	200	161	169	0	196	149	0	0	0
2000	97	0	86	0	108	0	141	0	0	0	0	0	170	0	203	130	169	0	250	114	176	0	200	161	167	0	211	140	0	0	0
2100	64	0	54	0	104	0	108	0	0	0	0	0	175	0	255	114	173	0	242	94	182	0	204	161	173	0	253	136	0	0	0
2200	70	0	60	0	111	0	112	0	0	0	0	0	178	0	223	124	178	0	260	92	183	0	200	161	176	0	242	152	0	0	0
2300	72	0	66	0	101	0	124	0	0	0	0	0	171	0	215	119	171	0	243	102	180	0	204	103	174	0	220	149	0	0	0
2400	60	0	46	0	105	0	104	0	0	0	0	0	192	0	237	137	190	0	248	120	194	0	204	170	188	0	233	167	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	S_mask	S
100	224	0	230	0	242	0	262	0	320	0	320	0	34	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	226	0	231	0	246	0	246	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	217	0	222	0	235	0	235	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	210	0	215	0	226	0	226	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	212	0	215	0	226	0	226	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	206	0	212	0	228	0	230	0	320	0	320	0	19	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	201	0	206	0	219	0	219	0	320	0	320	0	12	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	201	0	206	0	221	0	221	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	222	0	228	0	236	0	226	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	262	0	267	0	249	0	249	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	294	0	300	0	273	0	273	0	320	0	320	0	-27	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	325	0	332	0	307	0	307	0	320	0	320	0	-21	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	354	0	359	0	329	0	329	0	320	0	320	0	-30	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	372	0	377	0	343	0	345	0	320	0	320	0	-30	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	374	0	379	0	345	0	347	0	320	0	320	0	-30	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	375	0	383	0	356	0	356	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	370	0	375	0	346	0	356	0	320	0	320	0	-18	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	348	0	354	0	340	0	350	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	330	0	336	0	338	0	338	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	312	0	321	0	320	0	320	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	302	0	307	0	311	0	312	0	320	0	320	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	296	0	300	0	303	0	305	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	285	0	291	0	294	0	296	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	285	0	287	0	294	0	294	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS (S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN	MAX	WIND DIR4		MIN	MAX	WIND DIR5		MIN	MAX	WIND DIR6	
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S																						
100	64	0	64	0	168	0	142	0	0	0	0	0	90	0	233	135	194	0	254	113	195	0	204	171	188	0	266	163	0	0	0	0	0	
200	66	0	66	0	160	0	132	0	0	0	0	0	180	0	240	136	186	0	253	102	191	0	204	161	184	0	221	131	0	0	0	0	0	
300	65	0	65	0	130	0	119	0	0	0	0	0	180	0	236	186	212	0	231	173	199	0	271	183	203	0	220	189	0	0	0	0	0	
400	50	0	50	0	120	0	105	0	0	0	0	0	208	0	230	180	205	0	228	165	200	0	219	186	199	0	215	189	0	0	0	0	0	
500	48	0	48	0	135	0	108	0	0	0	0	0	206	0	246	160	206	0	253	161	200	0	205	185	196	0	214	176	0	0	0	0	0	
600	69	0	53	0	134	0	112	0	0	0	0	0	197	0	238	133	196	0	258	135	195	0	204	172	187	0	231	163	0	0	0	0	0	
700	65	0	46	0	139	0	113	0	0	0	0	0	198	0	225	131	196	0	236	118	200	0	205	188	195	0	285	183	0	0	0	0	0	
800	66	0	45	0	139	0	119	0	0	0	0	0	199	0	259	154	197	0	265	120	120	0	205	0	193	0	209	174	0	0	0	0	0	
900	74	0	52	0	107	0	107	0	0	0	0	0	213	0	239	186	209	0	248	174	201	0	271	183	204	0	220	188	0	0	0	0	0	
1000	90	0	87	0	139	0	129	0	0	0	0	0	238	0	0	187	231	0	265	200	263	0	177	183	213	0	242	193	0	0	0	0	0	
1100	92	0	82	0	130	0	114	0	0	0	0	0	232	0	275	198	227	0	264	175	225	0	270	182	215	0	244	188	0	0	0	0	0	
1200	110	0	104	0	130	0	138	0	0	0	0	0	239	0	264	200	236	0	283	199	243	0	270	182	221	0	246	198	0	0	0	0	0	
1300	88	0	84	0	132	0	120	0	0	0	0	0	246	0	277	219	244	0	303	203	249	0	270	183	224	0	248	196	0	0	0	0	0	
1400	92	0	89	0	133	0	121	0	0	0	0	0	246	0	284	210	242	0	283	203	257	0	270	184	228	0	242	211	0	0	0	0	0	
1500	90	0	86	0	141	0	148	0	0	0	0	0	249	0	285	216	245	0	305	214	247	0	265	177	237	0	249	223	0	0	0	0	0	
1600	105	0	102	0	164	0	172	0	0	0	0	0	251	0	279	229	247	0	276	220	254	0	260	250	244	0	252	231	0	0	0	0	0	
1700	79	0	75	0	109	0	117	0	0	0	0	0	240	0	261	210	237	0	266	203	254	0	266	187	232	0	246	207	0	0	0	0	0	
1800	109	0	99	0	162	0	160	0	0	0	0	0	236	0	265	205	233	0	272	189	253	0	271	183	224	0	242	198	0	0	0	0	0	
1900	62	0	55	0	93	0	95	0	0	0	0	0	325	0	354	301	315	0	350	283	287	0	357	278	289	0	310	274	0	0	0	0	0	
2000	69	2	63	2	114	2	122	2	0	0	0	0	271	2	291	239	266	2	292	230	270	2	294	250	258	2	281	233	0	0	0	0	0	
2100	72	0	68	0	109	0	115	0	0	0	0	0	279	0	301	252	273	0	306	231	289	0	295	272	281	0	291	257	0	0	0	0	0	
2200	78	0	72	0	129	0	126	0	0	0	0	0	286	0	329	254	280	0	320	253	289	0	295	272	278	0	309	296	0	0	0	0	0	
2300	79	0	73	0	97	0	102	0	0	0	0	0	265	0	286	246	260	0	294	231	286	0	295	268	274	0	292	247	0	0	0	0	0	
2400	62	0	57	0	62	0	66	0	0	0	0	0	256	0	280	245	251	0	276	229	287	0	358	273	276	0	296	256	0	0	0	0	0	

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7			
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	PAIR	
100	282	0	287	0	296	0	296	0	320	0	320	0	-10	0	10	0	0	0	0	0	50	2	0	0	0	0	0	0	0	0	0	0	0	2
200	284	0	289	0	289	0	289	0	320	0	320	0	-9	0	1	0	0	0	0	0	150	2	0	0	0	0	0	0	0	0	0	0	0	2
300	285	0	291	0	293	0	293	0	320	0	320	0	-10	0	1	0	0	0	0	0	50	2	0	0	0	0	0	0	0	0	0	0	0	2
400	280	0	284	0	291	0	291	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	276	0	282	0	289	0	291	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	273	0	278	0	282	0	282	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	267	0	273	0	282	0	282	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	258	0	264	0	280	0	280	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	287	0	293	0	296	0	296	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	332	0	338	0	339	0	330	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	381	0	386	0	374	0	374	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	393	0	399	0	386	0	386	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	417	0	424	0	404	0	406	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	435	0	440	0	424	0	424	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	433	0	438	0	431	0	433	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	422	0	429	0	438	0	438	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	411	0	417	0	419	0	419	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	415	0	420	0	419	0	419	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	365	0	370	0	383	0	383	0	320	0	320	0	18	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	381	2	398	2	386	2	388	2	320	0	320	0	3	2	0	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	368	0	374	0	390	0	390	0	320	0	320	0	19	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	374	0	379	0	384	0	384	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	354	0	361	0	368	0	370	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	368	0	354	0	363	0	363	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

... TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
														50 B S			150A S			150B S					S			S	
100	61	0	55	0	63	0	65	0	0	0	0	0	259	0	274	247	255	0	276	237	283	0	294	266	272	0	303	251	0	0	0	0	0	0
200	64	0	58	0	93	0	95	0	0	0	0	0	294	0	329	263	288	0	315	297	288	0	0	272	284	0	295	248	0	0	0	0	0	0
300	43	0	36	0	65	0	67	0	0	0	0	0	312	0	359	275	304	0	356	254	334	0	2	273	306	0	330	285	0	0	0	0	0	0
400	52	0	44	0	83	0	82	0	0	0	0	0	339	0	0	302	327	0	0	287	347	0	2	278	325	0	347	299	0	0	0	0	0	0
500	44	0	36	0	87	0	56	0	0	0	0	0	353	0	19	313	344	0	7	311	3	0	9	346	349	0	33	330	0	0	0	0	0	0
600	49	0	41	0	67	0	66	0	0	0	0	0	28	0	46	7	22	0	59	348	19	0	24	352	6	0	16	343	0	0	0	0	0	0
700	61	0	55	0	87	0	87	0	0	0	0	0	45	0	70	24	43	0	84	5	19	0	90	4	19	0	41	357	0	0	0	0	0	0
800	54	0	54	0	67	0	69	0	0	0	0	0	91	0	73	14	40	0	62	20	17	0	24	3	17	0	33	1	0	0	0	0	0	0
900	33	0	33	0	93	2	35	0	0	0	0	0	2	0	57	0	61	0	80	35	2	0	135	0	20	0	39	8	0	0	0	0	0	0
1000	28	0	28	0	39	0	20	0	0	0	0	0	73	0	105	42	73	3	100	46	81	3	108	48	64	3	92	33	0	0	0	0	0	0
1100	29	0	17	0	37	0	20	0	0	0	0	0	101	0	140	57	98	3	135	61	95	3	131	60	81	3	111	39	0	0	0	0	0	0
1200	27	0	22	0	30	0	23	0	0	0	0	0	72	0	102	48	72	3	103	52	76	3	98	47	60	3	99	29	0	0	0	0	0	0
1300	28	0	23	0	22	0	26	0	0	0	0	0	74	0	102	33	73	3	121	30	77	3	109	44	61	3	97	31	0	0	0	0	0	0
1400	39	0	32	0	39	0	29	0	0	0	0	0	107	0	151	66	106	0	173	40	106	0	134	73	92	3	122	49	0	0	0	0	0	0
1500	44	0	38	0	41	0	43	0	0	0	0	0	100	0	133	38	102	0	141	57	95	0	126	65	81	0	118	46	0	0	0	0	0	0
1600	47	0	41	0	47	0	47	0	0	0	0	0	88	0	124	66	87	0	136	64	85	0	111	68	71	0	99	50	0	0	0	0	0	0
1700	61	0	53	0	71	0	73	0	0	0	0	0	101	0	137	72	100	0	135	63	102	0	126	68	89	0	118	65	0	0	0	0	0	0
1800	59	0	50	0	62	0	63	0	0	0	0	0	112	0	140	89	115	0	144	90	113	0	130	89	100	0	119	75	0	0	0	0	0	0
1900	41	0	35	0	46	0	58	0	0	0	0	0	99	0	127	70	93	0	129	69	99	0	110	87	85	0	95	74	0	0	0	0	0	0
2000	68	0	59	0	85	0	86	0	0	0	0	0	114	0	132	98	116	0	146	86	112	0	127	94	98	0	116	87	0	0	0	0	0	0
2100	72	0	65	0	90	0	94	0	0	0	0	0	121	0	131	111	123	0	137	104	132	0	142	118	119	0	128	109	0	0	0	0	0	0
2200	67	0	63	0	99	0	102	0	0	0	0	0	130	0	148	116	131	0	160	113	141	0	150	131	128	0	140	114	0	0	0	0	0	0
2300	81	0	73	0	105	0	110	0	0	0	0	0	121	0	133	108	123	0	141	102	130	0	139	120	117	0	128	105	0	0	0	0	0	0
2400	86	0	81	0	121	0	125	0	0	0	0	0	130	0	147	116	132	0	148	113	143	0	154	135	130	0	139	120	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	356	0	361	0	365	0	365	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	356	0	363	0	361	0	361	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
300	352	0	359	0	359	0	359	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	350	0	356	0	357	0	357	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	352	0	357	0	356	0	356	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	350	0	354	0	350	0	352	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	347	0	352	0	345	0	347	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	348	0	354	0	345	0	345	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	350	2	356	0	347	2	347	0	320	0	320	0	-5	2	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	354	0	357	0	345	0	345	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	361	0	366	0	350	0	350	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	365	0	368	0	352	0	354	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	375	0	379	0	368	0	368	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	370	0	374	0	365	0	366	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	372	0	375	0	366	0	368	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	365	0	370	0	359	0	359	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	359	0	365	0	350	0	352	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	354	0	359	0	347	0	348	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	350	0	356	0	345	0	347	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	347	0	352	0	343	0	345	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	345	0	352	0	343	0	343	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	347	0	352	0	343	0	343	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	345	0	350	0	343	0	345	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	345	0	350	0	343	0	345	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN S	MAX	WIND DIR5	MIN S	MAX	S	WIND DIR6
100	96	0	95	0	138	0	141	0	0	0	0	0	131	0	161	117	134	0	159	113	144	0	156	133	132	0	151	118	0	0	0	0	0
200	91	0	89	0	135	0	139	0	0	0	0	0	137	0	160	121	137	0	164	112	153	0	170	139	140	0	159	120	0	0	0	0	0
300	75	0	74	0	109	0	114	0	0	0	0	0	142	0	177	120	141	0	175	113	155	0	176	136	142	0	155	127	0	0	0	0	0
400	82	0	79	0	127	0	123	0	0	0	0	0	143	0	172	118	144	0	178	123	156	0	182	136	142	0	159	126	0	0	0	0	0
500	83	0	75	0	110	0	112	0	0	0	0	0	145	0	188	109	144	0	186	119	159	0	173	136	143	0	159	125	0	0	0	0	0
600	90	0	83	0	133	0	138	0	0	0	0	0	145	0	170	124	145	0	181	123	155	0	168	137	144	0	156	131	0	0	0	0	0
700	92	0	86	0	136	0	141	0	0	0	0	0	143	0	171	122	142	0	179	108	154	0	170	136	142	0	156	123	0	0	0	0	0
800	92	0	90	0	116	0	121	0	0	0	0	0	137	0	152	120	137	0	164	117	148	0	171	133	136	0	148	116	0	0	0	0	0
900	90	0	88	0	130	0	133	0	0	0	0	0	135	0	150	117	136	0	161	107	151	0	167	133	139	0	156	129	0	0	0	0	0
1000	98	0	96	0	141	0	145	0	0	0	0	0	138	0	158	120	138	0	180	112	149	0	173	132	138	0	163	118	0	0	0	0	0
1100	105	0	103	0	141	0	149	0	0	0	0	0	152	0	181	114	151	0	190	102	162	0	192	141	151	0	185	123	0	0	0	0	0
1200	89	0	88	0	136	0	131	0	0	0	0	0	136	0	157	120	136	0	168	119	149	0	161	135	138	0	150	125	0	0	0	0	0
1300	99	0	100	0	139	0	145	0	0	0	0	0	139	0	162	119	141	0	170	119	149	0	166	131	139	0	153	123	0	0	0	0	0
1400	60	0	48	0	102	0	89	0	0	0	0	0	194	0	250	125	194	0	266	97	190	0	235	158	178	0	211	147	0	0	0	0	0
1500	104	0	94	0	142	0	141	0	0	0	0	0	233	0	266	196	228	0	266	181	226	0	258	198	213	0	242	179	0	0	0	0	0
1600	117	0	113	0	154	0	163	0	0	0	0	0	246	0	263	220	242	0	269	209	256	0	272	223	229	0	247	211	0	0	0	0	0
1700	96	0	86	0	139	0	148	0	0	0	0	0	239	0	275	198	235	0	277	181	237	0	263	210	221	0	248	191	0	0	0	0	0
1800	153	0	154	0	200	0	211	0	0	0	0	0	248	0	268	227	245	0	272	217	245	0	264	229	231	0	251	208	0	0	0	0	0
1900	162	0	154	0	209	0	238	0	0	0	0	0	252	0	276	238	248	0	288	210	255	0	282	244	240	0	249	230	0	0	0	0	0
2000	153	0	150	0	231	0	232	0	0	0	0	0	261	0	290	243	258	0	293	225	261	0	277	229	246	0	257	228	0	0	0	0	0
2100	251	0	254	0	279	0	290	0	0	0	0	0	269	0	284	257	264	0	286	239	273	0	288	261	257	0	270	246	0	0	0	0	0
2200	232	0	240	0	275	0	289	0	0	0	0	0	268	0	280	253	269	0	298	241	270	0	279	262	255	0	259	247	0	0	0	0	0
2300	246	0	247	0	267	0	277	0	0	0	0	0	269	0	285	256	264	0	283	248	276	0	292	264	260	0	281	246	0	0	0	0	0
2400	175	0	174	0	204	0	215	0	0	0	0	0	278	0	311	252	270	0	315	231	285	0	320	253	266	0	297	235	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 120B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN
100	345	0	350	0	341	0	341	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
200	345	0	350	0	341	0	341	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
300	341	0	347	0	336	0	336	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
400	332	0	338	0	327	0	329	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
500	325	0	330	0	320	0	321	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
600	320	0	323	0	312	0	314	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
700	312	0	318	0	307	0	307	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
800	309	0	314	0	305	0	309	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
900	314	0	320	0	309	0	311	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1000	327	0	332	0	320	0	320	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1100	354	0	361	0	343	0	345	0	320	0	320	0	-10	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1200	354	0	361	0	343	0	345	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1300	366	0	372	0	357	0	357	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1400	392	0	397	0	384	0	384	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1500	372	0	377	0	368	0	368	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1600	338	0	343	0	336	0	336	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1700	330	0	336	0	329	0	329	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1800	332	0	339	0	330	0	332	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1900	329	0	334	0	323	0	325	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
2000	325	0	332	0	321	0	323	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
2100	341	0	347	0	334	0	336	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
2200	341	0	347	0	336	0	336	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
2300	345	0	350	0	338	0	339	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
2400	347	0	352	0	341	0	341	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

TEMPERATURE 1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	159	0	154	0	202	0	206	0	0	0	0	0	273	0	300	247	266	0	300	224	280	0	329	251	261	0	296	224	0	0	0	0	U	C
200	146	0	138	0	182	0	185	0	0	0	0	0	274	0	306	236	268	0	305	220	281	0	312	247	262	0	292	229	0	0	0	0	U	C
300	124	0	119	0	164	0	172	0	0	0	0	0	286	0	312	255	278	0	316	238	293	0	323	251	273	0	308	223	0	0	0	0	U	C
400	118	0	114	0	144	0	155	0	0	0	0	0	287	0	318	244	281	0	319	225	292	0	331	257	272	0	310	222	0	0	0	0	U	C
500	164	0	148	0	217	0	223	0	0	0	0	0	296	0	306	283	289	0	313	260	306	0	311	302	295	0	288	280	0	0	0	0	U	C
600	155	0	138	0	201	0	207	0	0	0	0	0	296	0	314	284	287	0	310	260	305	0	310	299	283	0	287	277	0	0	0	0	U	C
700	150	0	144	0	198	0	205	0	0	0	0	0	295	0	316	278	287	0	320	258	303	0	312	289	282	0	286	265	0	0	0	0	U	C
800	119	0	108	0	169	0	174	0	0	0	0	0	297	0	316	280	288	0	315	264	309	0	315	302	287	0	291	283	0	0	0	0	U	C
900	129	0	120	0	175	0	179	0	0	0	0	0	302	0	315	285	295	0	318	269	313	0	316	309	291	0	297	287	0	0	0	0	U	C
1000	120	0	112	0	162	0	166	0	0	0	0	0	306	0	322	289	297	0	316	275	316	0	323	312	294	0	302	289	0	0	0	0	U	C
1100	104	0	95	0	150	0	154	0	0	0	0	0	299	0	317	288	291	0	312	259	311	0	314	308	289	0	295	279	0	0	0	0	U	C
1200	124	0	120	0	160	0	163	0	0	0	0	0	309	0	321	292	302	0	320	280	322	0	325	319	301	0	303	297	0	0	0	0	U	C
1300	121	0	113	0	163	0	165	0	0	0	0	0	310	0	322	296	302	0	333	275	321	0	334	313	300	0	312	290	0	0	0	0	U	C
1400	96	0	91	0	149	0	151	0	0	0	0	0	311	0	335	288	305	0	333	276	325	0	336	317	303	0	319	300	0	0	0	0	U	C
1500	78	0	73	0	128	0	129	0	0	0	0	0	316	0	353	284	307	0	356	253	331	0	346	317	310	0	328	299	0	0	0	0	U	C
1600	56	0	52	0	89	0	90	0	0	0	0	0	313	0	356	252	304	0	349	264	328	0	5	317	306	0	345	297	0	0	0	0	U	C
1700	59	0	51	0	72	0	74	0	0	0	0	0	302	0	325	267	298	0	321	270	311	0	336	293	290	0	314	272	0	0	0	0	U	C
1800	69	0	62	0	77	0	80	0	0	0	0	0	299	0	334	276	291	0	320	264	303	0	323	276	283	0	299	257	0	0	0	0	U	C
1900	39	0	35	0	42	0	47	0	0	0	0	0	299	0	346	262	294	0	340	253	302	0	325	263	281	0	308	243	0	0	0	0	U	C
2000	37	0	31	0	43	0	47	0	0	0	0	0	243	0	284	184	237	0	283	180	263	0	287	222	245	0	273	190	0	0	0	0	U	C
2100	48	0	40	0	65	0	70	0	0	0	0	0	227	0	245	205	222	0	248	197	234	0	242	219	218	0	228	206	0	0	0	0	U	C
2200	46	0	36	0	58	0	62	0	0	0	0	0	227	0	257	202	223	0	259	187	234	0	243	217	219	0	228	200	0	0	0	0	U	C
2300	49	0	39	0	64	0	69	0	0	0	0	0	217	0	241	189	215	0	238	197	236	0	244	221	219	0	228	208	0	0	0	0	U	C
2400	43	0	35	0	59	0	64	0	0	0	0	0	231	0	255	209	227	0	259	197	239	0	251	210	223	0	235	183	0	0	0	0	U	C

	AMB. TEMP1 30 A	S	AMB. TEMP2 30 B	S	AMB. TEMP3 150A	S	AMB. TEMP4 150B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S	
100	347	0	352	0	341	0	341	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
200	348	0	354	0	343	0	343	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
300	350	0	356	0	343	0	345	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
400	348	0	354	0	343	0	345	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
500	350	0	356	0	347	0	347	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
600	348	0	354	0	345	0	345	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
700	349	0	354	0	343	0	345	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
800	350	0	356	0	348	0	350	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
900	347	0	352	0	343	0	345	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
1000	347	0	352	0	343	0	343	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
1100	352	0	357	0	347	0	347	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
1200	354	0	359	0	350	0	350	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
1300	352	0	357	0	347	0	348	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
1400	352	0	357	0	345	0	345	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
1500	352	0	357	0	347	0	348	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
1600	356	0	361	0	345	0	347	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
1700	349	0	354	0	343	0	343	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
1800	343	0	348	0	339	0	341	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
1900	343	0	348	0	341	0	341	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
2000	339	0	345	0	341	0	343	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
2100	336	0	341	0	341	0	341	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
2200	338	0	345	0	341	0	343	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
2300	339	0	345	0	343	0	343	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	
2400	347	0	348	0	345	0	347	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	C	4	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50.A	S	WIND DIR1 MIN	MAX	WIND DIR2 MIN	MAX	WIND DIR3 MIN	MAX	WIND DIR4 MIN	MAX	WIND DIR5 MIN	MAX	WIND DIR6 MIN	MAX
100	50	0	48	0	63	0	68	0	0	0	0	0	240	260	203	236	266	172	246	261	221	231	245	213
200	40	0	25	0	53	0	54	0	0	0	0	0	208	230	175	206	231	176	224	240	207	210	224	188
300	36	0	28	0	54	0	47	0	0	0	0	0	182	224	143	180	210	135	206	227	183	192	216	169
400	43	0	36	0	72	0	61	0	0	0	0	0	166	199	140	167	203	128	191	213	176	176	197	161
500	42	0	35	0	64	0	68	0	0	0	0	0	180	225	144	177	231	135	192	206	180	179	246	145
600	36	0	30	0	60	0	64	0	0	0	0	0	179	211	148	175	249	135	192	200	176	180	268	153
700	47	0	38	0	99	0	79	0	0	0	0	0	177	221	129	175	237	130	192	207	174	179	266	152
800	69	2	63	2	114	2	122	2	0	0	0	0	271	291	239	266	292	230	270	294	250	258	281	233
900	50	0	41	0	94	0	80	0	0	0	0	0	179	226	109	176	227	119	189	218	154	177	201	146
1000	49	0	34	0	77	0	67	0	0	0	0	0	208	261	133	199	266	130	202	238	165	187	216	139
1100	58	0	44	0	70	0	64	0	0	0	0	0	214	265	170	212	253	134	215	245	173	201	234	168
1200	79	0	64	0	101	0	96	0	0	0	0	0	229	314	192	223	286	180	222	247	196	208	245	180
1300	80	0	66	0	112	0	108	0	0	0	0	0	232	286	190	229	288	180	223	256	189	208	241	158
1400	80	0	73	0	106	0	110	0	0	0	0	0	236	280	181	233	276	184	232	273	198	215	240	182
1500	80	0	70	0	102	0	97	0	0	0	0	0	232	262	183	229	266	180	222	263	183	208	254	174
1600	84	0	64	0	109	0	92	0	0	0	0	0	209	248	152	208	259	119	204	230	170	190	213	167
1700	78	0	74	0	131	0	130	0	0	0	0	0	157	209	123	157	211	107	167	190	145	156	189	134
1800	80	0	72	0	129	0	129	0	0	0	0	0	158	200	126	156	209	114	170	191	149	157	175	128
1900	67	0	48	0	103	0	89	0	0	0	0	0	208	257	165	206	266	159	205	243	157	191	213	139
2000	69	0	54	0	125	0	101	0	0	0	0	0	181	240	99	180	242	101	186	233	157	174	268	145
2100	59	0	44	0	99	0	86	0	0	0	0	0	209	269	145	209	254	131	206	230	167	192	217	152
2200	41	0	30	0	73	0	64	0	0	0	0	0	192	266	116	192	248	131	199	236	168	185	213	151
2300	51	0	35	0	78	0	67	0	0	0	0	0	207	266	159	206	259	135	207	227	180	194	213	173
2400	43	0	37	0	79	0	63	0	0	0	0	0	160	188	133	161	197	131	192	213	171	181	238	164

	AHB. TEM1 30 A	S	AHB. TEM2 30 B	S	AHB. TEM3 150A	S	AHB. TEM4 150B	S	AHB. TEM5	S	AHB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	343	0	348	0	341	0	343	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	339	0	345	0	343	0	343	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
300	332	0	338	0	341	0	343	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	329	0	334	0	345	0	345	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	332	0	338	0	347	0	347	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	332	0	339	0	345	0	347	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	334	0	339	0	347	0	347	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	329	2	334	2	330	2	332	2	320	0	320	0	0	2	-3	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	332	0	338	0	330	0	332	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	341	0	347	0	336	0	338	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	359	0	365	0	352	0	352	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	365	0	370	0	359	0	359	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	370	0	375	0	366	0	366	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	368	0	374	0	361	0	363	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	374	0	379	0	368	0	370	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	354	0	359	0	352	0	352	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	341	0	347	0	339	0	341	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	339	0	345	0	341	0	341	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	345	0	350	0	347	0	348	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	347	0	352	0	348	0	350	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	354	0	361	0	356	0	357	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	356	0	361	0	359	0	361	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	356	0	363	0	366	0	366	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	348	0	356	0	368	0	368	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

TEMPERATURE .1 DEGREES SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIRD
100	62	0	42	0	104	0	99	0	0	0	0	0	204	226	165	0	202	237	159	0	212	223	199	0	198	213	186	0	0.0	0	0	0	
200	58	0	51	0	98	0	77	0	0	0	0	0	155	179	137	0	152	180	131	0	187	196	177	0	174	204	166	0	0	0	0	0	
300	55	0	48	0	93	0	76	0	0	0	0	0	147	163	135	0	147	175	129	0	180	194	168	0	166	174	158	0	0	0	0	0	
400	58	0	52	0	92	0	96	0	0	0	0	0	127	136	119	0	127	140	119	0	161	169	151	0	149	156	140	0	0.0	0	0	0	
500	68	0	62	0	118	0	122	0	0	0	0	0	125	133	118	0	126	142	113	0	144	148	137	0	133	137	128	0	0	0	0	0	
600	72	0	68	0	123	0	128	0	0	0	0	0	140	151	127	0	139	170	113	0	158	165	151	0	147	153	137	0	0	0	0	0	
700	77	0	74	0	117	0	121	0	0	0	0	0	138	153	120	0	137	167	119	0	155	162	148	0	149	151	136	0	0	0	0	0	
800	88	0	83	0	147	0	152	0	0	0	0	0	140	154	125	0	141	166	124	0	154	159	145	0	143	147	131	0	0	0	0	0	
900	75	0	70	0	132	0	138	0	0	0	0	0	139	157	113	0	139	169	113	0	160	168	149	0	148	154	132	0	0	0	0	0	
1000	64	0	61	0	95	0	97	0	0	0	0	0	140	173	113	0	142	186	106	0	162	182	137	0	149	173	127	0	0	0	0	0	
1100	62	0	60	0	95	0	92	0	0	0	0	0	159	223	92	0	156	237	95	0	169	200	134	0	157	190	126	0	0	0	0	0	
1200	77	0	69	0	123	0	117	0	0	0	0	0	160	208	116	0	163	231	97	0	170	195	146	0	158	189	126	0	0	0	0	0	
1300	98	0	104	0	187	0	163	0	0	0	0	0	139	167	116	0	142	182	114	0	153	171	134	0	141	189	121	0	0	0	0	0	
1400	56	0	50	0	99	0	86	0	0	0	0	0	163	234	101	0	164	245	91	0	175	213	124	0	164	231	115	0	0	0	0	0	
1500	59	0	49	0	93	0	84	0	0	0	0	0	175	236	114	0	174	249	90	0	185	235	110	0	172	261	100	0	0	0	0	0	
1600	91	0	82	0	132	0	110	0	0	0	0	0	173	200	103	0	179	241	119	0	182	202	158	0	169	229	146	0	0.0	0	0	0	
1700	60	0	53	0	86	0	82	0	0	0	0	0	163	245	111	0	167	212	127	0	176	229	149	0	161	218	117	0	0	0	0	0	
1800	38	0	32	0	66	0	61	0	0	0	0	0	163	210	127	0	165	232	124	0	177	196	156	0	165	268	141	0	0	0	0	0	
1900	52	0	47	0	104	0	99	0	0	0	0	0	159	180	136	0	158	209	119	0	175	182	169	0	162	166	156	0	0	0	0	0	
2000	52	0	48	0	111	0	117	0	0	0	0	0	144	161	131	0	147	174	125	0	166	171	154	0	153	159	145	0	0	0	0	0	
2100	62	0	54	0	135	0	140	0	0	0	0	0	149	164	131	0	147	175	119	0	166	170	160	0	154	159	150	0	0	0	0	0	
2200	69	0	66	0	147	0	147	0	0	0	0	0	146	167	124	0	144	186	119	0	169	179	158	0	157	164	147	0	0.0	0	0	0	
2300	73	0	73	0	163	0	167	0	0	0	0	0	147	169	124	0	145	188	123	0	169	174	159	0	157	162	151	0	0	0	0	0	
2400	74	0	71	0	150	0	134	0	0	0	0	0	161	189	139	0	155	186	114	0	177	189	165	0	164	175	107	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 180A	S	D.T. 2	180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	359	0	366	0	375	0	377	0	320	0	320	0	14	0		10	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	334	0	339	0	370	0	370	0	320	0	320	0	32	0		26	0		0.0	0	0.0	0	320	2	0	0	0	0	0.0	0	0	0	0	0	0	0		
300	334	0	339	0	365	0	366	0	320	0	320	0	30	0		25	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	330	0	336	0	367	0	357	0	320	0	320	0	25	0		21	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	323	0	329	0	347	0	348	0	320	0	320	0	23	0		19	0		0.0	0	0.0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	334	0	339	0	361	0	363	0	320	0	320	0	25	0		19	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	334	0	339	0	357	0	357	0	320	0	320	0	21	0		18	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	329	0	334	0	352	0	354	0	320	0	320	0	21	0		18	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	343	0	348	0	367	0	359	0	320	0	320	0	12	0		9	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	375	0	381	0	377	0	377	0	320	0	320	0	-3	0		-7	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	422	0	428	0	408	0	410	0	320	0	320	0	-16	0		-19	0		0.0	0	0.0	0	320	2	0	0	0	0	0.0	0	0	0	0	0	0	0		
1200	455	0	458	0	431	0	433	0	320	0	320	0	-23	0		-27	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	465	0	469	0	451	0	451	0	320	0	320	0	-14	0		-18	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	510	0	514	0	487	0	487	0	320	0	320	0	-21	0		-25	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	546	0	552	0	518	0	518	0	320	0	320	0	-27	0		-30	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	557	0	561	0	538	0	528	0	320	0	320	0	-25	0		-28	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	559	0	563	0	541	0	541	0	320	0	320	0	-14	0		-18	0		0.0	0	0.0	0	320	2	0	0	0	0	0.0	0	0	0	0	0	0	0		
1800	539	0	546	0	539	0	539	0	320	0	320	0	3	0		-1	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	514	0	519	0	534	0	534	0	320	0	320	0	23	0		18	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	492	0	498	0	519	0	519	0	320	0	320	0	30	0		25	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	478	0	483	0	505	0	507	0	320	0	320	0	28	0		25	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	473	0	476	0	498	0	496	0	320	0	320	0	27	0		21	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	467	0	473	0	498	0	498	0	320	0	320	0	32	0		28	0		0.0	0	0.0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	4[illegible]	0	474	0	492	0	492	0	320	0	320	0	23	0		19	0		0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		

STATUS [illegible]S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVA[illegible]3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	72	0	67	0	143	0	144	0	0	0	0	0	156	0	178	132	156	0	192	96	168	0	179	157	155	0	166	140	0	0	0	0
200	82	0	79	0	168	0	154	0	0	0	0	0	158	0	186	124	159	0	197	130	175	0	189	166	161	0	172	151	0	0	0	0
300	77	0	74	0	158	0	165	0	0	0	0	0	145	0	166	129	145	0	180	120	166	0	171	150	152	0	157	145	0	0	0	0
400	79	0	71	0	159	0	165	0	0	0	0	0	148	0	166	129	148	0	174	124	168	0	172	156	154	0	158	140	0	0	0	0
500	81	0	74	0	177	0	158	0	0	0	0	0	152	0	172	134	152	0	180	124	177	0	188	168	163	0	169	155	0	0	0	0
600	87	0	77	0	180	0	166	0	0	0	0	0	155	0	177	136	153	0	186	100	175	0	182	165	161	0	168	150	0	0	0	0
700	91	0	85	0	183	0	173	0	0	0	0	0	152	0	178	138	151	0	180	124	173	0	178	167	160	0	167	153	0	0	0	0
800	90	0	83	0	178	0	180	0	0	0	0	0	152	0	177	134	151	0	191	122	170	0	178	165	157	0	161	152	0	0	0	0
900	90	0	87	0	169	0	166	0	0	0	0	0	153	0	178	118	154	0	229	123	169	0	184	152	157	0	173	141	0	0	0	0
1000	86	0	82	0	191	0	134	0	0	0	0	0	155	0	196	110	156	0	197	91	172	0	206	199	158	0	189	138	0	0	0	0
1100	81	0	76	0	133	0	114	0	0	0	0	0	162	0	207	107	158	0	210	95	179	0	236	111	161	0	203	117	0	0	0	0
1200	47	0	44	0	63	0	60	0	0	0	0	0	146	0	238	94	149	0	227	90	168	0	207	124	161	0	268	117	0	0	0	0
1300	53	0	45	0	81	0	73	0	0	0	0	0	178	0	263	98	180	0	265	119	186	0	223	127	174	0	242	105	0	0	0	0
1400	66	0	61	0	81	0	85	0	0	0	0	0	248	0	288	211	245	0	317	214	238	0	275	196	222	0	275	196	0	0	0	0
1500	32	0	26	0	41	0	45	0	0	0	0	0	280	0	309	250	272	3	310	225	255	0	275	225	240	0	258	220	0	0	0	0
1600	42	0	37	0	50	0	55	0	0	0	0	0	259	0	294	230	256	0	277	226	251	0	268	237	236	0	257	218	0	0	0	0
1700	20	0	14	0	16	0	18	0	0	0	0	0	267	0	305	214	261	3	350	214	244	0	267	202	230	0	257	189	0	0	0	0
1800	38	0	33	0	39	0	43	0	0	0	0	0	268	0	302	243	263	0	306	225	262	0	278	251	246	0	265	235	0	0	0	0
1900	49	0	43	0	59	0	63	0	0	0	0	0	237	0	250	222	239	0	265	217	242	0	253	233	226	0	237	214	0	0	0	0
2000	48	0	27	0	73	0	69	0	0	0	0	0	216	0	223	203	213	0	221	197	207	0	212	202	193	0	199	189	0	0	0	0
2100	57	0	39	0	95	0	85	0	0	0	0	0	195	0	213	172	194	0	219	164	215	0	222	210	202	0	210	196	0	0	0	0
2200	41	0	27	0	37	0	84	0	0	0	0	0	220	0	246	195	217	0	238	186	231	0	240	221	216	0	228	199	0	0	0	0
2300	53	0	43	0	82	0	88	0	0	0	0	0	227	0	240	212	223	0	248	197	235	0	244	226	219	0	229	210	0	0	0	0
2400	62	0	48	00	104	0	111	0	0	0	0	0	223	0	237	213	222	0	237	203	233	0	239	224	218	0	220	212	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	HISC 1	HISC 2	HISC 3	HISC 4	HISC 5	HISC 6	HISC 7	S	RAIN	S
100	460	0	465	0	476	0	476	0	320	0	320	0	18	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
200	462	0	465	0	483	0	483	0	320	0	320	0	23	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
300	446	0	451	0	467	0	465	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
400	429	0	435	0	458	0	456	0	320	0	320	0	28	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
500	426	0	431	0	465	0	464	0	320	0	320	0	39	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
600	420	0	426	0	468	0	458	0	320	0	320	0	37	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
700	417	0	422	0	461	0	451	0	320	0	320	0	32	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
800	415	0	420	0	442	0	444	0	320	0	320	0	27	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
900	437	0	442	0	438	0	440	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1000	487	0	491	0	467	0	467	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1100	507	0	512	0	485	0	485	0	320	0	320	0	-21	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1200	539	0	545	0	519	0	521	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1300	591	0	595	0	564	0	559	0	320	0	320	0	-34	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1400	590	0	595	0	566	0	568	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1500	579	0	584	0	570	0	572	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1600	591	0	597	0	577	0	579	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1700	593	0	599	0	581	0	581	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1800	550	0	555	0	585	0	555	0	320	0	320	0	10	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1900	557	0	564	0	566	0	566	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2000	548	0	554	0	573	0	573	0	320	0	320	0	30	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2100	546	0	552	0	573	0	573	0	320	0	320	0	30	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2200	541	0	548	0	564	0	564	0	320	0	320	0	27	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2300	530	0	537	0	541	0	541	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2400	528	0	536	0	552	0	552	0	320	0	320	0	25	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	Wind Dire
100	99	0	77	0	160	0	158	0	0	0	0	0	222	0	237	210	216	0	248	200	230	0	239	221	215	0	222	207	0	0	0	0	0
200	78	0	66	0	132	0	130	0	0	0	0	0	228	0	250	207	225	0	256	204	230	0	244	212	216	0	229	199	0	0	0	0	0
300	72	0	63	0	82	0	80	0	0	0	0	0	26	0	43	4	21	0	85	350	359	0	17	342	339	0	1	323	0	0	0	0	0
400	35	0	39	0	48	0	47	0	0	0	0	0	56	0	68	50	71	0	89	58	5	0	17	358	346	0	357	338	0	0	0	0	0
500	64	0	58	0	35	0	27	0	0	0	0	0	130	0	141	115	130	0	141	118	99	3	116	50	84	3	103	42	0	0	0	0	0
600	72	0	66	0	37	0	26	0	0	0	0	0	162	0	174	131	169	0	186	131	155	0	195	99	139	0	179	65	0	0	0	0	0
700	43	0	37	0	24	0	25	0	0	0	0	0	187	0	258	155	185	0	253	158	175	0	234	134	161	0	216	104	0	0	0	0	0
800	48	0	42	0	79	0	62	0	0	0	0	0	174	0	195	157	174	0	203	131	177	0	179	173	165	0	168	162	0	0	0	0	0
900	37	0	30	0	130	0	101	0	0	0	0	0	176	0	209	148	176	3	227	132	179	0	183	178	167	0	168	165	0	0	0	0	0
1000	29	0	23	0	34	0	25	0	0	0	0	0	336	3	26	277	326	3	14	270	321	0	351	273	300	0	330	249	0	0	0	0	0
1100	36	0	31	0	31	0	33	0	0	0	0	0	320	0	353	282	307	0	350	259	306	0	319	292	284	0	297	273	0	0	0	0	0
1200	32	0	26	0	34	0	37	0	0	0	0	0	303	0	349	246	295	3	355	243	299	0	341	276	278	0	325	257	0	0	0	0	0
1300	36	0	30	0	38	0	39	0	0	0	0	0	327	0	14	275	322	3	32	270	343	0	10	323	322	0	349	300	0	0	0	0	0
1400	43	0	38	0	70	0	70	0	0	0	0	0	2	0	47	290	352	0	65	283	2	0	28	346	342	0	30	316	0	0	0	0	0
1500	25	0	20	0	30	0	30	0	0	0	0	0	7	3	99	272	2	3	172	270	20	3	73	337	1	3	54	310	0	0	0	0	0
1600	55	0	48	0	67	0	67	0	0	0	0	0	27	0	53	310	24	0	84	311	37	0	66	10	20	0	66	359	0	0	0	0	0
1700	45	0	39	0	66	0	69	0	0	0	0	0	45	0	98	12	47	0	96	2	41	0	61	15	26	0	50	3	0	0	0	0	0
1800	26	0	18	0	80	0	52	0	0	0	0	0	7	3	52	287	10	3	85	279	41	0	66	21	21	0	46	5	0	0	0	0	0
1900	61	0	54	0	130	0	118	0	0	0	0	0	356	0	37	324	348	0	30	303	17	0	35	5	0	0	67	342	0	0	0	0	0
2000	44	0	38	0	83	0	84	0	0	0	0	0	8	0	28	341	1	0	27	311	40	0	49	25	22	0	30	6	0	0	0	0	0
2100	31	0	26	0	77	0	90	0	0	0	0	0	34	0	65	353	38	3	85	334	63	0	74	49	47	0	58	31	0	0	0	0	0
2200	56	0	50	0	134	0	116	0	0	0	0	0	128	0	147	115	128	0	145	113	108	0	112	101	94	0	99	87	0	0	0	0	0
2300	73	0	66	0	130	0	133	0	0	0	0	0	135	0	142	127	139	0	143	126	119	0	122	116	105	0	110	103	0	0	0	0	0
2400	67	0	59	0	123	0	117	0	0	0	0	0	119	0	128	114	120	0	130	115	119	0	122	117	106	0	110	104	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN
100	543	0	548	0	563	0	563	0	320	0	320	0	23	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
200	543	0	546	0	548	0	548	0	320	0	320	0	10	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
300	471	0	474	0	492	0	492	0	320	0	320	0	23	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
400	456	0	462	0	485	0	487	0	320	0	320	0	30	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
500	460	0	465	0	492	0	492	0	320	0	320	0	32	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
600	464	0	469	0	496	0	496	0	320	0	320	0	34	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
700	460	0	465	0	491	0	491	0	320	0	320	0	30	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
800	437	0	442	0	492	0	492	0	320	0	320	0	57	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
900	442	0	447	0	496	0	496	0	320	0	320	0	57	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1000	462	0	465	0	473	0	473	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1100	480	0	485	0	500	0	500	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1200	489	0	492	0	500	0	501	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1300	512	0	518	0	492	0	492	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1400	478	0	482	0	476	0	476	0	320	0	320	0	-1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1500	534	0	536	0	514	0	519	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1600	469	0	467	0	471	0	471	0	320	0	320	0	7	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1700	482	0	487	0	482	0	483	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1800	453	0	458	0	473	0	473	0	320	0	320	0	19	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1900	359	0	365	0	306	0	308	0	320	0	320	0	23	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2000	368	0	375	0	458	0	458	0	320	0	320	0	88	0	84	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2100	357	0	363	0	469	0	467	0	320	0	320	0	111	0	108	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2200	379	0	384	0	462	0	462	0	320	0	320	0	82	0	77	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2300	374	0	379	0	465	0	465	0	320	0	320	0	90	0	86	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2400	393	0	399	0	455	0	455	0	320	0	320	0	59	0	55	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0

STA[redacted]ODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = [redacted]ID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, [redacted]ECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 [redacted]LY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50 B	S		150A	S		150B	S			S			S	
100	76	0	69	0	101	0	105	0	0	0	0	0	111	0	118	107	116	0	124	98	124	0	130	119	110	0	117	106	0	0	0	0	0
200	77	0	71	0	113	0	117	0	0	0	0	0	139	0	151	130	138	0	147	131	143	0	148	137	129	0	134	122	0	0	0	0	0
300	36	0	25	0	75	0	79	0	0	0	0	0	199	0	228	162	196	3	238	163	162	0	167	156	150	0	155	144	0	0	0	0	0
400	36	0	31	0	69	0	69	0	0	0	0	0	249	0	335	181	247	0	339	180	177	0	203	127	164	0	206	122	0	0	0	0	0
500	31	0	23	0	86	0	67	0	0	0	0	0	245	0	302	192	240	0	304	187	196	0	226	189	181	0	219	146	0	0	0	0	0
600	35	0	27	0	94	0	78	0	0	0	0	0	233	0	285	180	232	3	287	180	190	0	201	179	175	0	246	111	0	0	0	0	0
700	43	0	38	0	94	0	98	0	0	0	0	0	263	0	277	252	259	0	276	237	254	0	268	225	239	0	251	213	0	0	0	0	0
800	21	0	15	0	43	0	66	0	0	0	0	0	146	0	268	91	147	0	266	91	151	0	169	140	138	0	155	124	0	0	0	0	0
900	12	0	8	0	32	0	23	0	0	0	0	0	199	0	268	122	187	0	266	99	126	0	155	62	113	0	148	73	0	0	0	0	0
1000	17	0	12	0	32	0	13	0	0	0	0	0	89	3	158	18	83	3	175	0	82	0	177	1	73	3	179	2	0	0	0	0	0
1100	50	0	45	0	45	0	49	0	0	0	0	0	248	0	269	227	245	0	276	223	232	0	258	216	217	0	235	203	0	0	0	0	0
1200	31	0	27	0	34	0	37	0	0	0	0	0	264	0	328	182	260	3	315	180	273	0	310	226	256	0	288	204	0	0	0	0	0
1300	41	0	36	0	70	0	71	0	0	0	0	0	321	0	21	270	311	0	350	253	332	0	358	312	311	0	340	297	0	0	0	0	0
1400	62	0	58	0	107	0	109	0	0	0	0	0	317	0	325	302	309	0	321	300	322	0	326	315	299	0	309	291	0	0	0	0	0
1500	20	0	15	0	32	0	35	0	0	0	0	0	267	0	309	213	265	0	310	214	294	0	313	246	275	0	292	241	0	0	0	0	0
1600	64	0	59	2	92	0	65	2	0	0	0	0	298	0	315	280	296	2	317	265	305	0	314	289	284	2	292	268	0	0	0	0	0
1700	58	0	53	0	96	0	94	0	0	0	0	0	335	0	5	304	327	0	2	295	351	0	359	337	330	0	340	308	0	0	0	0	0
1800	71	0	64	0	112	0	108	0	0	0	0	0	340	0	356	316	331	0	13	276	354	0	1	346	334	0	342	326	0	0	0	0	0
1900	56	0	50	0	91	0	85	0	0	0	0	0	352	0	32	320	346	0	39	310	6	0	33	340	346	0	32	329	0	0	0	0	0
2000	96	0	89	0	132	0	149	0	0	0	0	0	340	0	350	319	328	0	356	297	348	0	354	342	328	0	335	323	0	0	0	0	0
2100	60	0	53	0	108	0	110	0	0	0	0	0	9	0	94	330	5	0	80	293	9	0	49	317	349	0	30	308	0	0	0	0	0
2200	54	0	48	0	95	0	94	0	0	0	0	0	17	0	66	323	12	0	78	288	9	0	47	337	350	0	38	302	0	0	0	0	0
2300	116	0	107	0	164	0	160	0	0	0	0	0	349	0	20	329	340	0	65	305	355	0	20	336	335	0	355	310	0	0	0	0	0
2400	78	0	73	0	146	0	147	0	0	0	0	0	7	0	85	332	4	0	80	300	1	0	32	312	343	0	32	310	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	401	0	408	0	440	0	442	0	320	0	320	0	39	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
200	408	0	413	0	435	0	437	0	320	0	320	0	27	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
300	399	0	404	0	429	0	429	0	320	0	320	0	28	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
400	377	0	384	0	417	0	419	0	320	0	320	0	37	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
500	369	0	374	0	413	0	413	0	320	0	320	0	43	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
600	402	0	408	0	438	0	440	0	320	0	320	0	36	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
700	359	0	365	0	384	0	384	0	320	0	320	0	23	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
800	366	0	374	0	438	0	429	0	320	0	320	0	59	0	55	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
900	381	0	388	0	395	0	397	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
1000	415	0	419	0	437	0	419	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
1100	397	0	402	0	430	0	411	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
1200	393	0	399	0	399	0	399	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
1300	424	0	429	0	437	0	419	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
1400	406	0	411	0	438	0	429	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
1500	419	0	424	0	439	0	431	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
1600	372	2	377	2	393	2	393	2	320	0	320	0	7	0	3	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
1700	365	0	370	0	392	0	374	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
1800	361	0	368	0	388	0	368	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
1900	348	0	354	0	383	0	345	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
2000	356	0	361	0	383	0	363	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
2100	356	0	361	0	384	0	356	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
2200	352	0	357	0	388	0	350	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
2300	352	0	357	0	390	0	350	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4
2400	347	0	352	0	393	0	345	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN S	MAX	WIND DIRS	MIN S	MAX	Wind Dire
100	96	0	90	0	155	0	154	0	0	0	0	0	15	0	59	329	8	0	73	293	6	0	33	334	346	0	18	313	0	0	0
200	99	0	87	0	151	0	147	0	0	0	0	0	347	0	24	297	339	0	24	283	357	0	24	338	337	0	30	306	0	0	0
300	86	0	81	0	179	0	179	0	0	0	0	0	13	0	165	322	6	0	82	290	5	0	58	320	343	0	30	299	0	0	0
400	109	0	98	0	155	0	150	0	0	0	0	0	21	0	56	339	14	0	68	315	13	0	38	346	355	0	25	324	0	0	0
500	100	0	89	0	148	0	145	0	0	0	0	0	22	0	46	348	17	0	78	334	14	0	41	346	355	0	25	318	0	0	0
600	95	0	86	0	133	0	130	0	0	0	0	0	20	0	43	319	14	0	58	320	12	0	39	334	354	0	38	325	0	0	0
700	82	0	75	0	114	0	114	0	0	0	0	0	23	0	56	340	14	0	78	317	12	0	53	337	354	0	24	325	0	0	0
800	90	0	82	0	134	0	121	0	0	0	0	0	6	0	70	324	0	0	123	287	4	0	59	327	344	0	25	312	0	0	0
900	67	0	60	0	81	0	80	0	0	0	0	0	10	0	55	319	4	0	66	283	13	0	60	337	355	0	50	319	0	0	0
1000	56	0	51	0	68	0	68	0	0	0	0	0	343	0	25	298	333	0	13	299	355	0	26	325	335	0	14	308	0	0	0
1100	85	0	78	0	94	0	93	0	0	0	0	0	342	0	6	293	335	0	6	287	348	0	20	335	329	0	358	308	0	0	0
1200	68	0	64	0	81	0	83	0	0	0	0	0	333	0	16	276	326	0	35	276	336	0	9	298	316	0	349	284	0	0	0
1300	67	0	61	0	69	0	70	0	0	0	0	0	330	0	15	272	319	0	351	271	339	0	6	290	320	0	342	299	0	0	0
1400	47	0	40	0	56	0	57	0	0	0	0	0	305	0	353	212	297	0	356	197	333	0	8	293	311	0	338	264	0	0	0
1500	69	0	63	0	81	0	82	0	0	0	0	0	309	0	332	260	301	0	337	254	320	0	337	303	300	0	324	284	0	0	0
1600	64	0	57	0	72	0	75	0	0	0	0	0	305	0	336	267	296	0	321	242	314	0	329	304	293	0	313	283	0	0	0
1700	31	0	27	0	26	0	27	0	0	0	0	0	310	0	354	267	302	3	344	248	316	0	350	274	297	0	328	248	0	0	0
1800	12	0	7	0	0	4	8	0	0	0	0	0	105	0	159	48	105	3	171	51	69	3	99	37	51	3	89	20	0	0	0
1900	27	0	21	0	7	0	10	0	0	0	0	0	135	0	142	128	136	0	141	126	57	3	99	1	40	3	83	340	0	0	0
2000	15	0	8	0	42	0	42	0	0	0	0	0	1	3	17	347	357	3	17	311	345	0	349	341	325	0	333	319	0	0	0
2100	13	0	8	0	37	0	38	0	0	0	0	0	78	3	142	5	82	3	141	7	345	0	358	330	326	0	352	300	0	0	0
2200	35	0	30	0	42	0	43	0	0	0	0	0	154	0	166	109	160	0	175	131	7	3	27	353	349	0	55	338	0	0	0
2300	63	0	56	0	7	2	10	2	0	0	0	0	186	0	195	179	185	0	196	180	277	3	359	195	299	0	355	239	0	0	0
2400	34	0	29	0	36	0	29	0	0	0	0	0	254	0	263	247	251	0	265	242	273	0	295	257	256	0	279	242	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	348	0	354	0	343	0	343	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	350	0	359	0	343	0	345	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	352	0	359	0	347	0	348	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	357	0	363	0	352	0	352	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	354	0	359	0	348	0	350	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	352	0	357	0	347	0	348	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	348	0	354	0	343	0	343	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	341	0	347	0	338	0	338	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	337	0	345	0	332	0	334	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	350	0	356	0	341	0	343	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	350	0	356	0	341	0	343	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	356	0	361	0	343	0	345	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	370	0	375	0	357	0	359	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	379	0	384	0	367	0	367	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	379	0	386	0	362	0	362	0	320	0	320	0	-28	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	370	0	377	0	348	0	350	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	365	0	370	0	340	0	352	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	316	0	323	0	334	0	316	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	329	0	336	0	311	0	311	0	320	0	320	0	-21	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	302	0	307	0	298	0	350	0	320	0	320	0	45	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	323	0	330	0	292	0	354	0	320	0	320	0	28	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	341	0	347	0	298	0	350	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	339	0	345	0	290	0	350	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	0	0	366	0	366	0	368	0	320	0	320	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODES DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION ...
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	63	0	60	0	63	0	67	0	0	0	0	0	252	0	262	229	249	0	269	221	255	0	261	249	238	0	244	234	0	0	0	0	0	0
200	61	0	57	0	70	0	74	0	0	0	0	0	256	0	270	238	250	0	270	219	264	0	285	257	248	0	263	241	0	0	0	0	0	0
300	27	0	22	0	40	0	44	0	0	0	0	0	273	0	314	242	267	0	310	232	289	0	318	262	272	0	290	246	0	0	0	0	0	0
400	31	0	26	0	53	0	57	0	0	0	0	0	297	0	324	255	291	0	320	299	301	0	323	261	283	0	295	255	0	0	0	0	0	0
500	39	0	33	0	50	0	51	0	0	0	0	0	310	0	329	291	303	0	318	281	325	0	338	310	304	0	322	289	0	0	0	0	0	0
600	37	0	33	0	49	0	47	0	0	0	0	0	298	0	316	273	293	0	309	265	323	0	334	279	302	0	319	275	0	0	0	0	0	0
700	39	0	33	0	60	0	59	0	0	0	0	0	347	0	42	321	337	0	52	299	9	0	36	356	353	0	55	336	0	0	0	0	0	0
800	71	0	72	0	86	0	95	0	0	0	0	0	55	0	79	33	54	0	84	14	51	0	77	35	35	0	61	15	0	0	0	0	0	0
900	96	0	103	0	122	0	127	0	0	0	0	0	55	0	78	34	57	0	92	23	52	0	75	27	36	0	59	8	0	0	0	0	0	0
1000	103	0	102	0	121	0	130	0	0	0	0	0	47	0	73	26	96	0	83	1	46	0	75	21	29	0	52	5	0	0	0	0	0	0
1100	110	0	111	0	133	0	142	0	0	0	0	0	53	0	82	26	54	0	97	14	48	0	77	11	32	0	65	358	0	0	0	0	0	0
1200	150	0	139	0	161	0	157	0	0	0	0	0	28	0	48	357	22	0	78	321	27	0	58	347	11	0	44	331	0	0	0	0	0	0
1300	145	0	136	0	170	0	168	0	0	0	0	0	22	0	53	1	18	0	82	314	15	0	38	332	358	0	42	321	0	0	0	0	0	0
1400	143	0	136	0	162	0	178	0	0	0	0	0	24	0	46	349	17	0	63	348	20	0	50	354	1	0	32	335	0	0	0	0	0	0
1500	154	0	148	0	108	0	184	0	0	0	0	0	24	0	51	355	18	0	64	321	15	0	47	307	356	0	34	307	0	0	0	0	0	0
1600	165	0	152	0	214	0	208	0	0	0	0	0	26	0	48	3	19	0	71	343	19	0	48	352	1	0	35	327	0	0	0	0	0	0
1700	173	0	160	0	233	0	206	0	0	0	0	0	29	0	53	356	22	0	75	350	21	0	44	351	3	0	27	332	0	0	0	0	0	0
1800	166	0	157	0	230	0	203	0	0	0	0	0	28	0	131	5	20	0	79	327	17	0	43	331	359	0	27	313	0	0	0	0	0	0
1900	166	0	153	0	219	0	217	0	0	0	0	0	22	0	46	346	13	0	66	316	9	0	60	331	351	0	40	309	0	0	0	0	0	0
2000	158	0	145	0	197	0	194	0	0	0	0	0	26	0	52	355	20	0	73	321	19	0	50	349	2	0	49	324	0	0	0	0	0	0
2100	144	0	137	0	213	0	208	0	0	0	0	0	24	0	59	347	18	0	78	319	12	0	47	345	352	0	25	320	0	0	0	0	0	0
2200	153	0	144	0	202	0	176	0	0	0	0	0	31	0	65	338	25	0	81	322	26	0	54	338	9	0	42	328	0	0	0	0	0	0
2300	153	0	144	0	183	0	179	0	0	0	0	0	33	0	61	7	27	0	77	345	32	0	72	16	14	0	50	357	0	0	0	0	0	0
2400	164	0	158	0	188	0	186	0	0	0	0	0	33	0	53	8	25	0	73	347	29	0	61	9	11	0	47	352	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2 150A	S	D.T. 3 150B	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	330	0	336	0	336	0	336	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	338	0	343	0	347	0	348	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	338	0	343	0	348	0	350	0	320	0	320	0	10	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	336	0	341	0	342	0	342	0	320	0	320	0	14	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	341	0	347	0	343	0	345	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	341	0	347	0	345	0	345	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	341	0	347	0	345	0	347	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	325	0	330	0	327	0	327	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	312	0	321	0	322	0	312	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	312	0	321	0	305	0	305	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	300	0	305	0	291	0	293	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	321	0	329	0	330	0	320	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	329	0	334	0	335	0	327	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	321	0	323	0	319	0	314	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	323	0	329	0	330	0	321	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	307	0	312	0	302	0	302	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	300	0	305	0	296	0	298	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	287	0	293	0	287	0	289	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	284	0	289	0	284	0	285	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	275	0	280	0	273	0	275	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	262	0	267	0	260	0	262	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	269	0	275	0	264	0	266	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	264	0	269	0	260	0	260	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	253	0	258	0	248	0	249	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	113	0	108	0	131	0	126	0	0	0	0	0	46	0	79	30	45	0	85	12	42	0	72	9	26	0	60	346	0	0	0	0	0
200	107	0	101	0	127	0	130	0	0	0	0	0	41	0	69	13	35	0	77	354	37	0	69	13	18	0	49	331	0	0	0	0	0
300	107	0	102	0	135	0	129	0	0	0	0	0	45	0	80	11	42	0	84	355	40	0	76	9	25	0	61	357	0	0	0	0	0
400	161	0	147	0	145	0	187	0	0	0	0	0	31	0	58	3	27	0	80	352	26	0	49	3	9	0	39	346	0	0	0	0	0
500	86	0	95	0	90	0	101	0	0	0	0	0	51	0	82	12	47	0	79	1	48	0	71	13	32	0	64	341	0	0	0	0	0
600	52	0	53	0	90	0	87	0	0	0	0	0	60	0	96	4	59	0	86	22	49	0	66	36	33	0	51	18	0	0	0	0	0
700	60	0	56	0	72	0	80	0	0	0	0	0	81	0	117	54	78	0	116	54	68	0	89	49	52	0	78	33	0	0	0	0	0
800	62	0	63	0	80	0	93	0	0	0	0	0	65	0	88	40	64	0	103	1	59	0	78	23	43	0	65	8	0	0	0	0	0
900	92	0	91	0	101	0	106	0	0	0	0	0	50	0	92	8	46	0	105	0	45	0	69	16	29	0	58	1	0	0	0	0	0
1000	123	0	118	0	138	0	134	0	0	0	0	0	48	0	85	18	45	0	96	7	44	0	76	19	28	0	67	352	0	0	0	0	0
1100	125	0	117	0	140	0	142	0	0	0	0	0	36	0	87	353	34	0	82	335	36	0	72	3	19	0	57	346	0	0	0	0	0
1200	107	0	102	0	133	0	122	0	0	0	0	0	29	0	71	340	26	0	90	311	21	0	67	307	4	0	48	325	0	0	0	0	0
1300	94	0	89	0	106	0	104	0	0	0	0	0	30	0	78	2	26	0	79	339	14	0	59	338	355	0	51	315	0	0	0	0	0
1400	120	0	113	0	134	0	131	0	0	0	0	0	21	0	55	339	11	0	72	298	15	0	38	328	359	0	28	324	0	0	0	0	0
1500	116	0	109	0	133	0	130	0	0	0	0	0	24	0	57	356	17	0	81	338	13	0	52	343	357	0	53	310	0	0	0	0	0
1600	99	0	90	0	130	0	120	0	0	0	0	0	25	0	65	343	18	0	78	312	14	0	65	342	352	0	25	319	0	0	0	0	0
1700	86	0	81	0	112	0	112	0	0	0	0	0	23	0	59	303	16	0	80	300	8	0	48	295	352	0	56	286	0	0	0	0	0
1800	93	0	87	0	120	0	117	0	0	0	0	0	22	0	57	328	17	0	109	310	10	0	43	330	353	0	25	310	0	0	0	0	0
1900	69	0	61	0	95	0	91	0	0	0	0	0	22	0	53	327	17	0	74	316	14	0	47	333	357	0	61	319	0	0	0	0	0
2000	66	0	58	0	84	0	83	0	0	0	0	0	37	0	56	6	32	0	85	356	30	0	54	358	12	0	36	342	0	0	0	0	0
2100	76	0	69	0	92	0	92	0	0	0	0	0	26	0	58	349	18	0	64	324	12	0	53	324	353	0	34	302	0	0	0	0	0
2200	66	0	58	0	87	0	85	0	0	0	0	0	16	0	59	323	8	0	51	296	9	0	29	351	354	0	59	335	0	0	0	0	0
2300	36	0	33	0	93	0	98	0	0	0	0	0	69	0	108	15	66	0	104	7	46	0	82	356	30	0	61	338	0	0	0	0	0
2400	56	0	49	0	71	0	71	0	0	0	0	0	344	0	34	293	335	0	47	281	350	0	21	315	333	0	25	309	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	249	0	255	0	244	0	246	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	253	0	258	0	248	0	248	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	246	0	253	0	239	0	240	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	246	0	251	0	237	0	239	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	226	0	233	0	221	0	222	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	206	0	212	0	206	0	208	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	208	0	213	0	204	0	204	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	195	0	201	0	195	0	195	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	215	0	221	0	212	0	212	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	237	0	242	0	231	0	233	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	242	0	248	0	237	0	237	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	244	0	248	0	246	0	246	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	255	0	260	0	253	0	255	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	255	0	260	0	251	0	253	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	262	0	267	0	258	0	258	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	267	0	273	0	266	0	266	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	267	0	273	0	264	0	264	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	260	0	266	0	258	0	258	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	257	0	262	0	255	0	255	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	260	0	267	0	257	0	258	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	271	0	276	0	269	0	269	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	267	0	273	0	264	0	266	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	269	0	276	0	266	0	266	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	268	0	284	0	271	0	271	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN	MAX	WIND DIR4		MIN	MAX	WIND DIR5		MIN	MAX	WIND DIR6	
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S									150A	S			150B	S			S			S		
100	31	0	28	0	32	0	38	0	0	0	0	0	66	0	91	25	63	3	98	24	63	0	89	31	49	0	78	7	0	0	0	0	0	0
200	19	0	14	0	17	0	19	0	0	0	0	0	355	3	151	213	26	3	169	270	14	3	68	270	347	3	65	211	0	0	0	0	0	0
300	32	0	26	0	34	0	39	0	0	0	0	0	9	0	53	344	2	3	78	311	357	0	30	335	339	0	53	315	0	0	0	0	0	0
400	53	0	46	0	57	0	60	0	0	0	0	0	126	0	134	117	126	0	137	113	117	0	124	106	105	0	111	94	0	0	0	0	0	0
500	51	0	46	0	49	0	49	0	0	0	0	0	139	0	149	129	139	0	147	128	139	0	150	135	128	0	139	124	0	0	0	0	0	0
600	45	0	38	0	33	0	39	0	0	0	0	0	153	0	160	141	153	0	170	136	194	0	215	177	183	0	241	162	0	0	0	0	0	0
700	29	0	18	0	19	0	22	0	0	0	0	0	213	0	246	174	207	0	254	169	269	0	286	244	254	0	269	223	0	0	0	0	0	0
800	43	0	26	0	36	0	39	0	0	0	0	0	206	0	222	189	201	0	218	169	240	0	258	221	227	0	242	206	0	0	0	0	0	0
900	50	0	32	0	32	0	36	0	0	0	0	0	204	0	226	155	201	0	244	136	233	0	248	207	219	0	243	201	0	0	0	0	0	0
1000	25	0	19	0	24	0	32	0	0	0	0	0	192	0	267	107	190	3	266	103	192	0	249	138	178	0	268	93	0	0	0	0	0	0
1100	36	0	31	0	34	0	37	0	0	0	0	0	268	0	359	184	267	0	355	186	265	0	351	183	253	0	359	180	0	0	0	0	0	0
1200	73	0	68	0	67	0	72	0	0	0	0	0	264	0	297	236	259	0	298	231	268	0	294	237	252	0	279	219	0	0	0	0	0	0
1300	75	0	71	0	63	0	69	0	0	0	0	0	276	0	303	250	270	0	295	243	273	0	297	255	258	0	278	231	0	0	0	0	0	0
1400	62	0	57	0	59	0	64	0	0	0	0	0	286	0	319	251	278	0	319	225	279	0	316	255	264	0	299	231	0	0	0	0	0	0
1500	88	0	85	0	78	0	81	0	0	0	0	0	269	0	288	247	269	0	305	237	277	0	300	262	261	0	285	243	0	0	0	0	0	0
1600	74	0	68	0	75	0	79	0	0	0	0	0	302	0	323	277	295	0	317	260	295	0	316	253	277	0	299	248	0	0	0	0	0	0
1700	50	0	42	0	45	0	56	0	0	0	0	0	298	0	351	259	291	0	317	242	295	0	320	258	279	0	310	243	0	0	0	0	0	0
1800	20	0	11	0	20	0	19	0	0	0	0	0	211	0	267	126	209	0	249	169	210	0	247	162	198	0	252	141	0	0	0	0	0	0
1900	51	0	45	0	71	0	74	0	0	0	0	0	140	0	157	128	138	0	169	124	162	0	176	155	151	0	158	143	0	0	0	0	0	0
2000	57	0	43	0	130	0	97	0	0	0	0	0	190	0	223	159	188	0	232	132	196	0	199	187	183	0	192	179	0	0	0	0	0	0
2100	59	0	45	0	140	0	114	0	0	0	0	0	189	0	222	145	188	0	232	125	200	0	208	195	187	0	194	180	0	0	0	0	0	0
2200	63	0	58	0	142	0	111	0	0	0	0	0	168	0	195	132	165	0	203	131	190	0	194	185	183	0	266	168	0	0	0	0	0	0
2300	75	0	70	0	102	0	129	0	0	0	0	0	164	0	206	130	164	0	217	131	182	0	193	173	169	0	183	98	0	0	0	0	0	0
2400	82	0	72	0	139	0	121	0	0	0	0	0	174	0	216	149	174	0	227	131	185	0	208	173	172	0	269	156	0	0	0	0	0	0

	AMB. TEMP1		AMB. TEMP2		AMB. TEMP3		AMB. TEMP4		AMB. TEMP5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	275	0	282	0	269	0	271	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
200	271	0	276	0	267	0	267	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
300	262	0	269	0	258	0	260	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
400	240	0	246	0	253	0	255	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
500	231	0	237	0	241	0	251	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
600	222	0	228	0	238	0	258	0	320	0	320	0	34	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
700	230	0	237	0	251	0	253	0	320	0	320	0	19	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
800	237	0	242	0	246	0	266	0	320	0	320	0	25	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
900	242	0	248	0	249	0	271	0	320	0	320	0	23	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1000	289	0	287	0	276	0	278	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1100	312	0	318	0	316	0	318	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1200	307	0	314	0	334	0	316	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1300	316	0	321	0	327	0	329	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1400	338	0	345	0	333	0	325	0	322	0	320	0	-21	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1500	329	0	334	0	330	0	332	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1600	341	0	347	0	333	0	325	0	320	0	320	0	-21	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1700	347	0	354	0	332	0	334	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1800	345	0	352	0	343	0	345	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1900	320	0	327	0	336	0	338	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2000	323	0	330	0	347	0	346	0	320	0	320	0	23	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2100	318	0	323	0	339	0	341	0	320	0	320	0	23	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2200	307	0	312	0	338	0	338	0	320	0	320	0	28	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2300	300	0	307	0	327	0	327	0	320	0	320	0	23	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2400	302	0	307	0	312	0	314	0	320	0	320	0	7	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	68	0	60	0	128	0	110	0	0	0	0	0	174	0	206	90	173	0	231	124	184	0	199	155	171	0	225	152	0	0	0	0
200	59	0	48	0	106	0	88	0	0	0	0	0	189	0	234	147	188	0	238	131	191	0	212	168	179	0	218	156	0	0	0	0
300	59	0	50	0	136	0	99	0	0	0	0	0	182	0	239	141	179	0	225	135	188	0	212	166	177	0	269	147	0	0	0	0
400	60	0	48	0	137	0	113	0	0	0	0	0	183	0	240	93	184	0	242	90	193	0	207	165	181	0	238	124	0	0	0	0
500	80	0	63	0	157	0	131	0	0	0	0	0	195	0	252	127	190	0	259	96	198	0	223	158	187	0	238	153	0	0	0	0
600	75	0	61	0	141	0	117	0	0	0	0	0	195	0	242	110	192	0	247	114	197	0	219	155	186	0	267	142	0	0	0	0
700	82	0	60	0	151	0	123	0	0	0	0	0	192	0	245	132	188	0	240	118	196	0	216	169	185	0	267	145	0	0	0	0
800	68	0	53	0	137	0	110	0	0	0	0	0	186	0	234	103	179	0	266	96	194	0	219	166	55	0	179	0	0	0	0	0
900	79	0	60	0	127	0	109	0	0	0	0	0	199	0	247	111	199	0	266	101	195	0	217	159	186	0	225	157	0	0	0	0
1000	70	0	56	0	102	0	87	0	0	0	0	0	201	0	267	101	200	0	265	124	193	0	245	138	178	0	224	112	0	0	0	0
1100	56	0	46	0	89	0	78	0	0	0	0	0	187	0	265	95	183	0	261	97	190	0	259	110	177	0	254	95	0	0	0	0
1200	60	0	55	0	107	0	94	0	0	0	0	0	204	0	269	101	199	0	266	119	199	0	247	155	197	0	232	138	0	0	0	0
1300	70	0	56	0	109	0	95	0	0	0	0	0	197	0	265	121	196	0	261	94	191	0	238	112	182	0	241	99	0	0	0	0
1400	76	0	60	0	133	0	112	0	0	0	0	0	203	0	261	133	199	0	265	124	194	0	233	131	182	0	256	110	0	0	0	0
1500	70	0	60	0	87	0	82	0	0	0	0	0	237	0	283	182	236	0	302	180	220	0	261	153	208	0	249	126	0	0	0	0
1600	64	0	49	0	106	0	90	0	0	0	0	0	203	0	249	125	204	0	260	135	201	0	230	139	189	0	214	133	0	0	0	0
1700	64	0	51	0	102	0	88	0	0	0	0	0	191	0	245	127	188	0	259	91	196	0	222	148	185	0	217	147	0	0	0	0
1800	44	0	32	0	59	0	54	0	0	0	0	0	209	0	243	142	207	0	255	131	208	0	229	178	196	0	245	167	0	0	0	0
1900	33	0	27	0	65	0	52	0	0	0	0	0	179	0	205	150	176	3	242	131	191	0	199	184	178	0	195	169	0	0	0	0
2000	45	0	39	0	102	0	85	0	0	0	0	0	182	0	208	158	181	0	214	135	185	0	189	182	172	0	175	169	0	0	0	0
2100	44	0	38	0	94	0	84	0	0	0	0	0	162	0	192	139	161	0	198	129	181	0	187	176	169	0	176	163	0	0	0	0
2200	53	0	44	0	123	0	103	0	0	0	0	0	179	0	208	118	177	0	225	134	183	0	190	177	171	0	175	163	0	0	0	0
2300	57	0	51	0	136	0	125	0	0	0	0	0	170	0	201	139	169	0	206	99	180	0	193	171	168	0	179	155	0	0	0	0
2400	69	0	59	0	152	0	122	0	0	0	0	0	180	0	212	145	177	0	221	124	190	0	200	176	179	0	214	140	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	302	0	307	0	312	0	312	0	320	0	320	0	7	0		3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	302	0	307	0	314	0	314	0	320	0	320	0	7	0		3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	300	0	307	0	312	0	312	0	320	0	320	0	7	0		3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	298	0	303	0	312	0	312	0	320	0	320	0	10	0		7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	309	0	316	0	314	0	314	0	320	0	320	0	1	0		-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	300	0	305	0	307	0	307	0	320	0	320	0	3	0		0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	293	0	298	0	302	0	302	0	320	0	320	0	5	0		1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	296	0	302	0	302	0	302	0	320	0	320	0	0	0		-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	323	0	329	0	320	0	320	0	320	0	320	0	-9	0		-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	365	0	370	0	348	0	350	0	320	0	320	0	-18	0		-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	399	0	402	0	374	0	375	0	320	0	320	0	-28	0		-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	426	0	431	0	401	0	402	0	320	0	320	0	-27	0		-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	442	0	447	0	417	0	419	0	320	0	320	0	-28	0		-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	440	0	446	0	420	0	422	0	320	0	320	0	-19	0		-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	444	0	449	0	431	0	431	0	320	0	320	0	-14	0		-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	447	0	453	0	433	0	435	0	320	0	320	0	-14	0		-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	440	0	446	0	435	0	435	0	320	0	320	0	-7	0		-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	428	0	435	0	429	0	431	0	320	0	320	0	0	0		-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	404	0	411	0	428	0	429	0	320	0	320	0	23	0		18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	401	0	406	0	426	0	426	0	320	0	320	0	25	0		19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	386	0	393	0	415	0	415	0	320	0	320	0	25	0		21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	379	0	384	0	408	0	408	0	320	0	320	0	27	0		23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	374	0	379	0	397	0	397	0	320	0	320	0	21	0		18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	37[illegible]		375	0	390	0	392	0	320	0	320	0	18	0		14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS [illegible]S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVAL[illegible]3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
	30 A	S	30 B	S	180A	S	180B	S		S	30 A	S		30	B S		180A	S		180B	S			S			S	
100	80	0	67	0	179	0	138	0	0	0	0	0	181	0	209	156	176	0	214	114	194	0	202	182	118	0	224	0	0	0	0	0
200	64	0	53	0	137	0	114	0	0	0	0	0	171	0	199	142	169	0	212	125	187	0	201	168	2	0	169	0	0	0	0	0
300	60	0	44	0	121	0	108	0	0	0	0	0	201	0	230	161	196	0	238	159	209	0	222	199	0	0	0	0	0	0	0	0
400	63	0	46	0	105	0	97	0	0	0	0	0	197	0	211	178	194	0	215	162	218	0	227	208	206	0	220	198	0	0	0	0
500	59	0	52	0	85	0	92	0	0	0	0	0	179	0	201	161	176	0	203	159	226	0	234	210	214	0	220	206	0	0	0	0
600	54	0	46	0	82	0	90	0	0	0	0	0	182	0	200	160	180	0	204	159	230	0	235	223	218	0	221	211	0	0	0	0
700	61	0	48	0	92	0	100	0	0	0	0	0	188	0	214	158	185	0	217	164	229	0	235	221	216	0	220	199	0	0	0	0
800	60	0	40	0	86	0	93	0	0	0	0	0	204	0	216	178	200	0	231	159	241	0	249	234	227	0	234	214	0	0	0	0
900	41	0	25	0	73	0	78	0	0	0	0	0	200	0	227	162	196	3	236	130	230	0	239	215	215	0	228	203	0	0	0	0
1000	37	0	30	0	42	0	46	0	0	0	0	0	290	0	287	181	235	3	300	185	242	0	273	196	227	0	254	195	0	0	0	0
1100	68	0	63	0	73	0	80	0	0	0	0	0	238	0	270	218	234	0	272	198	243	0	274	221	228	0	257	209	0	0	0	0
1200	70	0	66	0	73	0	80	0	0	0	0	0	246	0	273	215	240	0	265	197	246	0	266	227	233	0	246	209	0	0	0	0
1300	59	0	54	0	65	0	70	0	0	0	0	0	253	0	286	221	248	0	283	214	256	0	277	225	240	0	291	209	0	0	0	0
1400	50	0	45	0	44	0	48	0	0	0	0	0	264	0	296	241	258	0	309	226	278	0	303	257	261	0	287	228	0	0	0	0
1500	36	0	29	0	38	0	41	0	0	0	0	0	305	0	353	253	289	3	341	213	306	0	324	287	285	0	300	274	0	0	0	0
1600	53	0	49	0	65	0	68	0	0	0	0	0	336	0	1	279	325	0	356	192	342	0	357	324	323	0	337	297	0	0	0	0
1700	19	0	14	0	16	0	18	0	0	0	0	0	39	3	95	0	36	3	85	315	15	3	51	329	356	3	34	318	0	0	0	0
1800	25	0	19	0	8	0	10	0	0	0	0	0	64	3	96	38	62	3	96	22	42	3	89	343	26	3	76	331	0	0	0	0
1900	41	0	39	0	23	0	25	0	0	0	0	0	66	0	79	44	66	0	85	14	37	3	52	16	19	3	34	359	0	0	0	0
2000	43	0	38	0	33	0	34	0	0	0	0	0	67	0	94	47	69	0	92	48	25	0	66	8	8	0	49	349	0	0	0	0
2100	54	0	47	0	40	0	42	0	0	0	0	0	123	0	130	117	123	0	135	114	105	0	110	99	92	0	99	83	0	0	0	0
2200	45	0	38	0	45	0	47	0	0	0	0	0	103	0	116	90	102	0	126	86	103	0	110	96	90	0	99	83	0	0	0	0
2300	53	0	48	0	49	0	52	0	0	0	0	0	121	0	126	116	121	0	126	114	122	0	126	118	111	0	114	107	0	0	0	0
2400	38	0	31	0	39	0	22	0	0	0	0	0	112	0	115	106	121	0	130	93	134	S	140	127	122	0	128	115	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7	
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S
100	374	0	379	0	402	0	404	0	320	0	320	0	28	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
200	370	0	375	0	398	0	390	0	320	0	320	0	18	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
300	366	0	372	0	398	0	390	0	320	0	320	0	19	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
400	363	0	368	0	392	0	393	0	320	0	320	0	27	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
500	350	0	356	0	390	0	390	0	320	0	320	0	37	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
600	341	0	347	0	386	0	386	0	320	0	320	0	41	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
700	334	0	339	0	384	0	384	0	320	0	320	0	50	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
800	343	0	348	0	388	0	388	0	320	0	320	0	43	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
900	379	0	384	0	388	0	388	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1000	422	0	428	0	415	0	417	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1100	433	0	438	0	429	0	431	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1200	442	0	447	0	442	0	444	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1300	451	0	456	0	453	0	453	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1400	462	0	465	0	464	0	464	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1500	476	0	482	0	469	0	469	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1600	469	0	474	0	451	0	453	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1700	453	0	458	0	446	0	446	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1800	440	0	446	0	440	0	442	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
1900	435	0	442	0	440	0	442	0	320	0	320	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2000	435	0	442	0	449	0	449	0	320	0	320	0	14	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2100	429	0	437	0	446	0	447	0	320	0	320	0	16	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2200	447	0	455	0	465	0	465	0	320	0	320	0	18	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2300	433	0	438	0	464	0	464	0	320	0	320	0	30	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0
2400	429	0	437	0	460	0	460	0	320	0	320	0	30	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	42	0	34	0	39	0	22	0	0	0	0	0	122	0	123	120	121	0	124	120	140	5	144	125	128	0	132	112	0	0	0	0	
200	50	0	43	0	32	0	24	0	0	0	0	0	121	0	127	114	120	0	125	113	116	0	121	110	104	0	110	98	0	0	0	0	
300	54	0	46	0	37	0	19	0	0	0	0	0	114	0	119	110	120	0	130	113	96	5	104	80	82	3	93	66	0	0	0	0	
400	53	0	50	0	33	0	34	0	0	0	0	0	111	0	117	106	110	0	126	94	96	0	100	86	82	0	87	72	0	0	0	0	
500	55	0	49	0	31	0	54	0	0	0	0	0	128	0	133	124	128	0	131	124	111	0	114	110	99	0	101	97	0	0	0	0	
600	75	0	69	0	83	0	86	0	0	0	0	0	129	0	132	125	129	0	135	120	117	0	120	117	105	0	107	104	0	0	0	0	
700	89	0	78	0	106	0	109	0	0	0	0	0	139	0	142	136	138	0	141	136	133	0	137	130	122	0	124	118	0	0	0	0	
800	69	0	63	0	130	0	124	0	0	0	0	0	132	0	134	127	131	0	137	124	140	0	142	137	128	0	129	126	0	0	0	0	
900	19	0	11	0	49	0	53	0	0	0	0	0	232	0	302	180	229	0	300	180	162	0	200	153	152	0	247	145	0	0	0	0	
1000	21	0	17	0	36	0	29	0	0	0	0	0	162	3	269	94	161	3	260	95	182	3	241	121	173	3	249	92	0	0	0	0	
1100	54	0	50	0	59	0	61	0	0	0	0	0	141	0	187	100	145	0	186	94	156	0	192	124	145	0	175	107	0	0	0	0	
1200	56	0	51	0	90	0	65	0	0	0	0	0	262	0	293	220	257	0	283	223	263	0	284	239	249	0	262	236	0	0	0	0	
1300	55	0	50	0	64	0	69	0	0	0	0	0	291	0	309	271	286	0	310	261	285	0	296	257	269	0	288	247	0	0	0	0	
1400	53	0	47	0	84	0	87	0	0	0	0	0	311	0	338	276	301	0	350	236	309	0	320	287	291	0	305	279	0	0	0	0	
1500	65	0	61	0	87	0	90	0	0	0	0	0	316	0	1	292	305	0	321	266	314	0	320	308	294	0	302	289	0	0	0	0	
1600	54	0	47	0	24	0	77	0	0	0	0	0	338	0	11	299	326	0	8	276	334	0	347	316	315	0	345	289	0	0	0	0	
1700	50	0	43	0	85	0	67	0	0	0	0	0	350	0	51	304	339	0	50	287	346	0	14	330	327	0	1	302	0	0	0	0	
1800	25	0	18	0	42	0	42	0	0	0	0	0	9	3	51	306	6	3	85	308	2	0	27	354	349	0	34	313	0	0	0	0	
1900	27	0	19	0	26	0	27	0	0	0	0	0	43	3	63	29	41	3	83	27	355	0	359	350	337	0	342	331	0	0	0	0	
2000	40	0	42	0	33	0	24	0	0	0	0	0	65	0	76	60	59	0	69	56	32	3	49	22	15	3	28	4	0	0	0	0	
2100	94	0	47	0	26	0	32	0	0	0	0	0	94	0	99	90	92	0	96	86	74	3	78	69	58	0	62	52	0	0	0	0	
2200	64	0	57	0	99	0	95	0	0	0	0	0	107	0	111	104	106	0	123	96	88	0	89	85	74	0	76	72	0	0	0	0	
2300	60	0	53	0	33	0	35	0	0	0	0	0	120	0	130	111	121	0	132	113	109	0	116	101	96	0	103	88	0	0	0	0	
2400	44	0	39	0	34	0	27	0	0	0	0	0	135	0	139	130	134	0	141	131	107	0	116	101	93	3	103	87	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN
100	422	0	429	0	431	0	451	0	320	0	320	0	30	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
200	409	0	411	0	437	0	437	0	320	0	320	0	32	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
300	395	0	402	0	424	0	424	0	320	0	320	0	27	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
400	388	0	395	0	428	0	428	0	320	0	320	0	39	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
500	370	0	375	0	426	0	426	0	320	0	320	0	57	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
600	379	0	383	0	432	0	424	0	320	0	320	0	45	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
700	361	0	366	0	424	0	424	0	320	0	320	0	63	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
800	343	0	348	0	410	0	410	0	320	0	320	0	66	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
900	366	0	372	0	392	0	393	0	320	0	320	0	25	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1000	438	0	444	0	420	0	420	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1100	474	0	478	0	451	0	453	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1200	433	0	438	0	451	0	453	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1300	456	0	460	0	456	0	456	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1400	429	0	437	0	442	0	442	0	320	0	320	0	10	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1500	453	0	458	0	453	0	453	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1600	467	0	471	0	453	0	455	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1700	465	0	471	0	460	0	460	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1800	453	0	458	0	455	0	455	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1900	417	0	420	0	446	0	447	0	320	0	320	0	30	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
2000	438	0	444	0	446	0	446	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
2100	437	0	444	0	453	0	455	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
2200	426	0	433	0	456	0	456	0	320	0	320	0	30	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
2300	428	0	433	0	458	0	460	0	320	0	320	0	30	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
2400	430	0	429	0	453	0	453	0	320	0	320	0	27	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION .....
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	40	0	29	0	36	2	32	2	0	0	0	0	223	0	239	207	220	0	233	203	202	0	225	172	184	0	197	155	0	0	0	0	0
200	62	0	58	0	31	0	34	0	0	0	0	0	166	0	175	159	166	0	175	136	162	0	168	158	152	0	157	147	0	0	0	0	0
300	62	0	57	0	37	0	31	0	0	0	0	0	178	0	186	171	177	0	192	170	152	0	161	148	142	0	151	137	0	0	0	0	0
400	66	0	58	0	30	0	53	0	0	0	0	0	151	0	168	136	150	0	175	131	151	0	162	144	141	0	152	134	0	0	0	0	0
500	71	0	63	0	46	0	70	0	0	0	0	0	151	0	168	133	151	0	175	131	148	0	152	144	138	0	141	134	0	0	0	0	0
600	79	0	72	0	99	0	104	0	0	0	0	0	153	0	167	137	151	0	176	131	160	0	168	154	149	0	157	144	0	0	0	0	0
700	63	0	44	0	142	0	131	0	0	0	0	0	200	0	232	172	199	0	238	159	208	0	213	202	195	0	201	189	0	0	0	0	0
800	69	0	63	0	138	0	124	0	0	0	0	0	169	0	192	145	167	0	204	131	200	0	202	199	188	0	191	185	0	0	0	0	0
900	59	0	50	0	116	0	130	0	0	0	0	0	149	0	177	123	145	0	186	114	187	0	192	183	175	0	211	168	0	0	0	0	0
1000	58	0	55	0	94	0	89	0	0	0	0	0	154	0	186	97	157	0	198	96	173	0	200	128	161	0	184	134	0	0	0	0	0
1100	51	0	49	0	66	0	67	0	0	0	0	0	145	0	201	92	143	0	214	95	165	0	199	114	154	0	189	123	0	0	0	0	0
1200	96	2	89	2	102	2	149	2	0	0	0	0	340	2	350	319	328	2	356	297	348	2	354	342	328	2	335	323	0	0	0	0	0
1300	96	0	36	0	55	0	52	0	0	0	0	0	247	0	313	183	248	0	317	186	219	0	269	138	207	0	265	90	0	0	0	0	0
1400	36	0	30	0	31	0	36	0	0	0	0	0	299	0	346	263	285	3	354	242	296	0	340	246	277	0	302	254	0	0	0	0	0
1500	39	0	33	0	42	0	45	0	0	0	0	0	314	0	353	234	302	0	353	207	317	0	351	291	296	0	320	275	0	0	0	0	0
1600	31	0	28	0	32	0	36	0	0	0	0	0	311	0	359	249	300	3	351	226	323	0	4	301	301	0	342	266	0	0	0	0	0
1700	39	0	31	0	41	0	44	0	0	0	0	0	307	0	327	273	297	0	321	260	303	0	313	291	283	0	296	275	0	0	0	0	0
1800	55	0	46	0	69	0	68	0	0	0	0	0	29	0	51	6	28	0	85	349	13	0	37	358	357	0	44	340	0	0	0	0	0
1900	60	0	51	0	77	0	75	0	0	0	0	0	32	0	45	21	30	0	42	6	23	0	26	21	6	0	9	359	0	0	0	0	0
2000	58	0	50	0	84	0	89	0	0	0	0	0	96	0	113	81	93	0	130	79	76	0	85	68	61	0	72	54	0	0	0	0	0
2100	56	0	49	0	87	0	88	0	0	0	0	0	112	0	121	96	117	0	130	92	93	0	100	88	79	0	88	73	0	0	0	0	0
2200	58	0	50	0	92	0	85	0	0	0	0	0	130	0	141	118	130	0	142	120	112	0	116	106	99	0	103	94	0	0	0	0	0
2300	74	0	67	0	110	0	114	0	0	0	0	0	126	0	132	121	125	0	133	120	116	0	119	112	104	0	106	99	0	0	0	0	0
2400	91	0	83	0	149	0	153	0	0	0	0	0	125	0	132	119	126	0	136	120	119	0	122	115	107	0	110	103	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	413	0	419	0	435	0	435	0	320	0	320	0	21	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	420	0	426	0	441	0	453	0	320	0	320	0	30	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	419	0	426	0	445	0	456	0	320	0	320	0	36	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	381	0	386	0	453	0	453	0	320	0	320	0	72	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	386	0	392	0	445	0	455	0	320	0	320	0	66	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	359	0	365	0	447	0	447	0	320	0	320	0	88	0	84	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	365	0	370	0	420	0	420	0	320	0	320	0	54	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	365	0	370	0	441	0	453	0	320	0	320	0	86	0	81	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	372	0	377	0	438	0	440	0	320	0	320	0	66	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	451	0	456	0	437	0	437	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	512	0	516	0	482	0	483	0	320	0	320	0	-27	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	563	2	566	2	527	2	528	2	320	0	320	0	-30	2	-34	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	582	0	586	0	554	0	554	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	588	0	593	0	572	0	573	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	583	0	593	0	563	0	563	0	320	0	320	0	-16	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	597	0	604	0	566	0	568	0	320	0	320	0	-21	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	579	0	586	0	566	0	568	0	320	0	320	0	-5	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	528	0	534	0	525	0	525	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	516	0	523	0	519	0	519	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	507	0	512	0	516	0	516	0	320	0	320	0	14	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	501	0	509	0	518	0	519	0	320	0	320	0	19	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	500	0	503	0	514	0	514	0	320	0	320	0	18	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	487	0	491	0	512	0	512	0	320	0	320	0	28	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	480	0	483	0	534	0	534	0	320	0	320	0	57	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	50 B	S
100	.91	0	85	0	124	0	131	0	0	0	0	0	132	0	136	124	
200	89	0	83	0	148	0	155	0	0	0	0	0	139	0	147	131	
300	77	0	71	0	152	0	159	0	0	0	0	0	140	0	152	128	
400	74	0	69	0	143	0	142	0	0	0	0	0	139	0	149	131	
500	84	0	76	0	178	0	157	0	0	0	0	0	150	0	169	129	
600	80	0	74	0	164	0	137	0	0	0	0	0	156	0	181	129	
700	73	0	71	0	167	0	150	0	0	0	0	0	152	0	179	129	
800	76	0	72	0	100	0	135	0	0	0	0	0	159	0	185	138	
900	55	0	45	0	130	0	111	0	0	0	0	0	170	0	223	114	
1000	74	0	58	0	116	0	99	0	0	0	0	0	189	0	267	109	
1100	64	0	49	0	104	0	90	0	0	0	0	0	183	0	257	105	
1200	75	0	58	0	120	0	95	0	0	0	0	0	195	0	265	101	
1300	111	0	83	0	102	0	138	0	0	0	0	0	196	0	257	127	
1400	103	0	83	0	101	0	137	0	0	0	0	0	205	0	256	142	
1500	155	0	128	0	220	0	196	0	0	0	0	0	215	0	264	147	
1600	121	0	93	0	145	0	163	0	0	0	0	0	198	0	233	141	
1700	127	0	103	0	202	0	172	0	0	0	0	0	211	0	250	145	
1800	77	0	58	0	137	0	111	0	0	0	0	0	211	0	255	170	
1900	110	0	89	0	148	0	168	0	0	0	0	0	209	0	242	156	
2000	118	0	89	0	175	0	149	0	0	0	0	0	214	0	249	160	
2100	100	0	82	0	148	0	134	0	0	0	0	0	226	0	266	191	
2200	124	0	107	0	173	0	170	0	0	0	0	0	230	0	260	206	
2300	130	0	118	0	191	0	196	0	0	0	0	0	232	0	264	196	
2400	152	0	138	0	208	0	231	0	0	0	0	0	234	0	270	206	

	WIND DIR2	MIN	MAX	150A	S	WIND DIR3	MIN	MAX	150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	132	0	137	120		132	0	135	127		120	0	124	116	0	0	0	0	0
200	137	0	143	126		148	0	154	140		136	0	142	127	0	0	0	0	0
300	139	0	172	117		163	0	166	157		152	0	155	148	0	0	0	0	0
400	138	0	170	122		168	0	178	163		157	0	162	152	0	0	0	0	0
500	149	0	175	122		175	0	177	171		162	0	165	158	0	0	0	0	0
600	155	0	197	116		183	0	193	170		170	0	179	163	0	0	0	0	0
700	152	0	186	130		176	0	182	168		163	0	168	155	0	0	0	0	0
800	159	0	188	125		177	0	185	167		166	0	170	156	0	0	0	0	0
900	168	0	238	96		187	0	210	166		174	0	202	152	0	0	0	0	0
1000	187	0	249	91		189	0	218	156		181	0	207	149	0	0	0	0	0
1100	184	0	261	123		191	0	240	162		179	0	235	126	0	0	0	0	0
1200	189	0	253	90		189	0	231	113		178	0	247	130	0	0	0	0	0
1300	195	0	259	94		198	0	235	156		186	0	221	152	0	0	0	0	0
1400	202	0	265	136		200	0	232	143		186	0	214	118	0	0	0	0	0
1500	220	0	280	180		212	0	240	175		199	0	221	163	0	0	0	0	0
1600	194	0	253	119		200	0	251	163		190	0	213	159	0	0	0	0	0
1700	209	0	255	131		204	0	232	156		192	0	214	145	0	0	0	0	0
1800	209	0	261	164		209	0	225	163		193	0	221	161	0	0	0	0	0
1900	207	0	250	169		207	0	235	178		194	0	229	163	0	0	0	0	0
2000	212	0	254	164		210	0	247	190		198	0	214	176	0	0	0	0	0
2100	224	0	268	175		216	0	262	183		204	0	243	168	0	0	0	0	0
2200	226	0	276	181		227	0	259	199		213	0	248	190	0	0	0	0	0
2300	229	0	267	169		227	0	245	200		212	0	248	184	0	0	0	0	0
2400	232	0	273	184		231	0	248	196		217	0	243	187	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 130A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	MAIN	S
100	476	0	482	0	523	0	523	0	320	0	320	0	48	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
200	469	0	479	0	518	0	518	0	320	0	320	0	50	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
300	467	0	471	0	546	0	546	0	320	0	320	0	82	0	79	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
400	464	0	469	0	530	0	530	0	320	0	320	0	68	0	64	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
500	458	0	464	0	512	0	512	0	320	0	320	0	54	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
600	464	0	469	0	509	0	509	0	320	0	320	0	46	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
700	462	0	465	0	509	0	509	0	320	0	320	0	46	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
800	474	0	478	0	496	0	496	0	320	0	320	0	23	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
900	503	0	507	0	503	0	505	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1000	573	0	577	0	545	0	545	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1100	636	0	640	0	600	0	600	0	320	0	320	0	-28	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1200	667	0	672	0	631	0	631	0	320	0	320	0	-28	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1300	689	0	694	0	653	0	653	0	320	0	320	0	-27	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1400	699	0	699	0	660	0	660	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1500	712	0	717	0	680	0	680	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1600	714	0	717	0	680	0	680	0	320	0	320	0	-19	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1700	696	0	701	0	674	0	674	0	320	0	320	0	-10	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1800	676	0	680	0	663	0	663	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
1900	667	0	671	0	658	0	658	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
2000	656	0	662	0	647	0	647	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
2100	649	0	654	0	642	0	644	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
2200	645	0	651	0	638	0	640	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
2300	629	0	635	0	629	0	629	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	
2400	[illegible]	0	622	0	617	0	617	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	

STAT[illegible]DE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = I[illegible]D, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
														50 B	S				150A	S		150B	S		S			
100	142	0	138	0	217	0	223	0	0	0	0	0	238	0	268	214	235	0	276	209	234	0	255	212	219	0	238	194	0	0	0	0	0
200	106	0	96	0	165	0	170	0	0	0	0	0	234	0	298	203	231	0	265	182	231	0	256	198	216	0	237	189	0	0	0	0	0
300	132	0	124	0	209	0	219	0	0	0	0	0	237	0	258	213	233	0	269	176	235	0	253	210	219	0	236	195	0	0	0	0	0
400	178	0	173	0	260	0	277	0	0	0	0	0	242	0	260	220	239	0	276	209	241	0	257	225	226	0	243	206	0	0	0	0	0
500	143	0	134	0	214	0	226	0	0	0	0	0	237	0	261	209	235	0	271	181	238	0	265	214	222	0	248	194	0	0	0	0	0
600	148	0	137	0	206	0	216	0	0	0	0	0	235	0	260	202	228	0	259	177	233	0	264	213	219	0	236	191	0	0	0	0	0
700	127	0	109	0	174	0	172	0	0	0	0	0	225	0	250	194	222	0	266	177	222	0	237	191	210	0	232	189	0	0	0	0	0
800	127	0	103	2	198	0	169	2	0	0	0	0	212	0	262	126	209	2	264	134	204	0	234	140	194	2	231	152	0	0	0	0	0
900	93	0	76	0	137	0	135	0	0	0	0	0	219	0	258	186	217	0	255	169	223	0	263	200	208	0	235	170	0	0	0	0	0
1000	63	0	46	0	93	0	87	0	0	0	0	0	212	0	249	156	208	0	257	132	216	0	243	183	202	0	230	161	0	0	0	0	0
1100	74	0	67	0	107	0	108	0	0	0	0	0	240	0	292	187	236	0	276	181	229	0	257	185	214	0	245	186	0	0	0	0	0
1200	63	0	54	0	94	0	77	0	0	0	0	0	234	0	283	196	227	0	266	170	235	0	277	196	222	0	248	190	0	0	0	0	0
1300	37	0	31	0	76	0	37	0	0	0	0	0	261	0	303	196	255	0	306	182	234	0	287	182	220	0	266	159	0	0	0	0	0
1400	40	0	35	0	46	0	52	0	0	0	0	0	283	0	313	260	275	0	309	252	250	0	295	219	235	0	287	206	0	0	0	0	0
1500	32	0	27	0	44	0	48	0	0	0	0	0	266	0	295	221	261	0	306	220	262	0	312	240	246	0	292	219	0	0	0	0	0
1600	31	0	23	0	36	0	29	0	0	0	0	0	250	0	290	187	249	3	306	185	238	0	277	183	223	0	269	154	0	0	0	0	0
1700	31	0	22	0	47	0	41	0	0	0	0	0	207	0	269	146	206	3	265	132	209	0	262	149	194	0	232	143	0	0	0	0	0
1800	40	0	33	0	74	0	77	0	0	0	0	0	137	0	161	113	137	0	175	119	157	0	169	143	145	0	157	130	0	0	0	0	0
1900	70	0	66	0	135	0	123	0	0	0	0	0	130	0	141	120	130	0	141	119	138	0	144	134	127	0	134	123	0	0	0	0	0
2000	81	0	78	0	147	0	152	0	0	0	0	0	134	0	149	122	135	0	170	121	141	0	148	136	130	0	136	124	0	0	0	0	0
2100	80	0	76	0	137	0	143	0	0	0	0	0	129	0	147	112	131	0	141	119	143	0	151	131	132	0	140	121	0	0	0	0	0
2200	110	0	111	0	187	0	188	0	0	0	0	0	134	0	154	122	135	0	174	120	141	0	155	131	130	0	142	120	0	0	0	0	0
2300	119	0	115	0	183	0	193	0	0	0	0	0	128	0	140	119	128	0	141	115	134	0	141	124	123	0	129	114	0	0	0	0	0
2400	120	0	117	0	172	0	184	0	0	0	0	0	123	0	140	108	125	0	142	91	130	0	144	117	120	0	133	97	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
														180A	S	180B	S	S	S	S	S	S	S	S	S	S	S
100	609	0	615	0	631	0	611	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
200	606	0	609	0	606	0	606	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
300	590	0	595	0	593	0	595	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
400	589	0	591	0	599	0	599	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
500	595	0	600	0	597	0	597	0	320	0	320	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
600	599	0	604	0	597	0	597	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
700	588	0	593	0	586	0	586	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
800	582	0	588	2	581	2	581	2	320	0	320	0	3	0	1	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
900	564	0	570	0	563	0	563	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1000	584	0	588	0	570	0	572	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1100	611	0	615	0	591	0	591	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1200	658	0	663	0	631	0	631	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1300	676	0	681	0	656	0	658	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1400	689	0	694	0	676	0	678	0	320	0	320	0	7	3	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1500	696	0	699	0	676	0	676	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1600	721	0	726	0	690	0	690	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1700	701	0	707	0	690	0	690	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1800	705	0	710	0	690	0	690	0	320	0	320	0	3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1900	685	0	689	0	690	0	690	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2000	674	0	678	0	680	0	681	0	320	0	320	0	21	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2100	656	0	662	0	662	0	662	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2200	656	0	662	0	665	0	665	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2300	662	0	665	0	674	0	674	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2400	659	0	663	0	663	0	662	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	Wind DIR6
100	102	0	105	0	160	0	166	0	0	0	0	0	131	0	145	105	132	0	175	110	137	0	149	120	126	0	141	106	0	0	0	0	
200	95	0	97	0	142	0	167	0	0	0	0	0	134	0	158	125	135	0	153	120	144	0	155	132	133	0	143	121	0	0	0	0	
300	115	0	107	0	156	0	167	0	0	0	0	0	122	0	132	112	126	0	141	99	129	0	139	120	119	0	129	108	0	0	0	0	
400	106	0	104	0	157	0	161	0	0	0	0	0	129	0	141	116	130	0	141	119	135	0	147	120	125	0	141	107	0	0	0	0	
500	110	0	105	0	149	0	159	0	0	0	0	0	126	0	141	112	128	0	141	93	134	0	148	118	124	0	140	112	0	0	0	0	
600	126	0	123	0	165	0	174	0	0	0	0	0	127	0	149	110	129	0	148	94	132	0	150	117	122	0	140	108	0	0	0	0	
700	118	0	115	0	156	0	164	0	0	0	0	0	125	0	142	111	127	0	165	86	132	0	146	117	122	0	144	100	0	0	0	0	
800	170	0	162	0	209	0	218	0	0	0	0	0	121	0	133	102	122	0	140	88	125	0	150	109	115	0	135	91	0	0	0	0	
900	156	0	148	0	194	0	190	0	0	0	0	0	120	0	139	106	123	0	141	91	124	0	148	106	114	0	130	93	0	0	0	0	
1000	119	0	120	0	179	0	180	0	0	0	0	0	133	0	157	119	135	0	175	116	142	0	158	126	131	0	148	113	0	0	0	0	
1100	117	0	117	0	198	0	162	0	0	0	0	0	130	0	150	108	132	0	167	120	139	0	165	118	128	0	150	106	0	0	0	0	
1200	140	0	144	0	241	0	217	0	0	0	0	0	138	0	180	105	140	0	186	97	150	0	190	123	138	0	167	111	0	0	0	0	
1300	151	0	149	0	235	0	245	0	0	0	0	0	144	0	170	119	150	0	202	100	151	0	171	122	141	0	158	116	0	0	0	0	
1400	155	0	158	0	233	0	240	0	0	0	0	0	144	0	241	117	142	0	214	118	149	0	179	113	140	0	180	106	0	0	0	0	
1500	165	0	167	0	235	0	245	0	0	0	0	0	140	0	169	121	145	0	179	119	146	0	179	110	134	0	161	108	0	0	0	0	
1600	164	0	169	0	232	0	239	0	0	0	0	0	132	0	159	113	134	0	172	111	138	0	154	121	127	0	143	113	0	0	0	0	
1700	149	0	149	0	201	0	206	0	0	0	0	0	129	0	149	109	133	0	173	101	135	0	156	117	123	0	137	104	0	0	0	0	
1800	161	0	159	0	205	0	216	0	0	0	0	0	123	0	140	111	125	0	167	85	130	0	151	114	119	0	136	106	0	0	0	0	
1900	139	0	141	0	193	0	199	0	0	0	0	0	130	0	147	111	132	0	164	115	135	0	151	115	123	0	139	106	0	0	0	0	
2000	140	0	137	0	187	0	191	0	0	0	0	0	126	0	157	108	128	0	145	91	131	0	148	114	119	0	139	88	0	0	0	0	
2100	154	0	146	0	191	0	201	0	0	0	0	0	118	0	130	100	120	0	141	90	121	0	137	106	110	0	130	93	0	0	0	0	
2200	165	0	159	0	199	0	207	0	0	0	0	0	119	0	133	106	122	0	141	87	121	0	142	106	110	0	126	92	0	0	0	0	
2300	94	0	83	0	145	0	148	0	0	0	0	0	158	0	235	97	158	0	261	90	168	0	216	125	156	0	206	112	0	0	0	0	
2400	73	0	67	0	137	0	133	0	0	0	0	0	144	0	173	122	147	0	181	120	156	0	168	132	145	0	159	130	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN
100	649	0	654	0	691	0	651	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
200	633	0	638	0	640	0	638	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
300	624	0	629	0	631	0	631	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
400	611	0	617	0	615	0	615	0	320	0	320	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
500	595	0	599	0	593	0	593	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
600	563	0	566	0	557	0	557	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
700	537	0	543	0	536	0	536	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
800	539	0	543	0	532	0	539	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
900	550	0	555	0	541	0	541	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1000	579	0	584	0	584	0	566	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1100	615	0	620	0	595	0	595	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1200	681	0	697	0	653	0	653	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1300	703	0	708	0	671	0	671	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1400	717	0	723	0	689	0	689	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1500	730	0	735	0	703	0	703	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1600	732	0	737	0	712	0	712	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1700	719	0	725	0	703	0	703	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1800	703	0	707	0	687	0	687	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1900	683	0	689	0	672	0	672	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2000	660	0	665	0	649	0	649	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2100	633	0	638	0	622	0	622	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2200	615	0	620	0	606	0	606	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2300	595	0	600	0	593	0	595	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2400	[illegible]	0	582	0	573	0	573	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	WIND DIR4	MIN	MAX	DIR5	MIN	MAX	WIND DIR6
														50 B	S			150A	S			150B	S			S		S	
100	140	0	139	0	132	0	133	0	0	0	0	0	124	0	142	108	126	0	141	88	129	0	152	115	118	0	136	102	0	0	0	0	U	U
200	120	0	116	0	155	0	165	0	0	0	0	0	126	0	143	106	129	0	179	91	139	0	150	118	121	0	137	102	0	0	0	0	U	U
300	121	0	111	0	157	0	161	0	0	0	0	0	109	0	124	85	111	0	131	74	112	0	128	97	100	0	111	88	0	0	0	0	U	U
400	186	0	182	0	232	0	294	0	0	0	0	0	123	0	138	105	125	0	168	87	129	0	145	115	117	0	136	94	0	0	0	0	U	U
500	188	0	194	0	296	0	264	0	0	0	0	0	131	0	155	110	133	0	175	99	136	0	155	116	127	0	144	107	0	0	0	0	U	U
600	140	0	143	0	218	0	222	0	0	0	0	0	133	0	150	117	136	0	175	111	142	0	158	119	130	0	152	107	0	0	0	0	U	U
700	171	0	167	0	242	0	256	0	0	0	0	0	126	0	144	105	129	0	143	100	136	0	159	109	124	0	140	103	0	0	0	0	U	U
800	92	0	87	0	162	0	161	0	0	0	0	0	150	0	194	105	149	0	186	91	162	0	189	136	151	0	191	124	0	0	0	0	U	U
900	75	0	71	0	135	0	119	0	0	0	0	0	160	0	220	106	162	0	261	120	172	0	211	138	160	0	218	123	0	0	0	0	U	U
1000	79	0	66	0	141	0	126	0	0	0	0	0	170	0	260	90	170	0	233	90	180	0	223	136	167	0	195	123	0	0	0	0	U	U
1100	102	0	93	0	159	0	137	0	0	0	0	0	174	0	221	124	175	0	261	120	181	0	206	155	170	0	206	140	0	0	0	0	U	U
1200	99	0	94	0	151	0	149	0	0	0	0	0	164	0	232	118	161	0	231	92	174	0	204	139	160	0	187	125	0	0	0	0	U	U
1300	97	0	89	0	148	0	148	0	0	0	0	0	153	0	243	100	158	0	247	91	167	0	227	126	156	0	207	119	0	0	0	0	U	U
1400	108	0	94	0	170	0	158	0	0	0	0	0	173	0	243	101	177	0	265	94	184	0	228	158	172	0	222	142	0	0	0	0	U	U
1500	108	0	103	0	176	0	159	0	0	0	0	0	170	0	248	114	169	0	257	96	181	0	245	145	168	0	195	142	0	0	0	0	U	U
1600	95	0	83	0	146	0	135	0	0	0	0	0	167	0	229	108	169	0	254	123	172	0	214	135	160	0	188	120	0	0	0	0	U	U
1700	87	0	72	0	146	0	132	0	0	0	0	0	176	0	229	92	180	0	242	96	184	0	224	125	172	0	215	108	0	0	0	0	U	U
1800	129	0	126	0	208	0	210	0	0	0	0	0	151	0	199	122	151	0	224	92	162	0	185	133	152	0	172	133	0	0	0	0	U	U
1900	105	0	105	0	168	0	177	0	0	0	0	0	137	0	153	118	139	0	178	120	146	0	161	131	135	0	153	121	0	0	0	0	U	U
2000	138	0	141	0	207	0	216	0	0	0	0	0	135	0	154	116	136	0	175	87	143	0	160	127	133	0	147	114	0	0	0	0	U	U
2100	127	0	129	0	194	0	202	0	0	0	0	0	134	0	158	114	135	0	175	101	146	0	173	128	135	0	152	119	0	0	0	0	U	U
2200	99	0	93	0	176	0	162	0	0	0	0	0	165	0	215	127	163	0	217	96	179	0	212	154	167	0	202	139	0	0	0	0	U	U
2300	88	0	85	0	145	0	147	0	0	0	0	0	147	0	174	121	148	0	180	103	161	0	182	136	150	0	175	122	0	0	0	0	U	U
2400	77	0	74	0	135	0	131	0	0	0	0	0	139	0	167	121	141	0	186	99	150	0	166	133	140	0	153	127	0	0	0	0	U	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	573	0	579	0	566	0	566	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
200	568	0	573	0	564	0	569	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
300	570	0	573	0	568	0	568	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
400	600	0	606	0	597	0	597	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
500	613	0	617	0	606	0	606	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
600	593	0	599	0	590	0	590	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
700	590	0	593	0	584	0	584	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
800	581	0	584	0	573	0	573	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
900	577	0	581	0	566	0	566	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1000	582	0	588	0	584	0	566	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1100	586	0	591	0	568	0	570	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1200	618	0	624	0	590	0	591	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1300	653	0	658	0	617	0	617	0	320	0	320	0	-28	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1400	671	0	676	0	635	0	635	0	320	0	320	0	-28	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1500	687	0	692	0	653	0	653	0	320	0	320	0	-27	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1600	689	0	694	0	660	0	660	0	320	0	320	0	-21	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1700	694	0	699	0	663	0	665	0	320	0	320	0	-18	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1800	629	0	635	0	631	0	613	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1900	590	0	593	0	581	0	581	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
2000	579	0	584	0	573	0	573	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
2100	568	0	573	0	561	0	561	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
2200	521	0	527	0	521	0	521	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
2300	514	0	519	0	514	0	514	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
2400	519	0	525	0	518	0	518	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE ,2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	77	0	67	0	129	0	124	0	0	0	0	0	160	0	197	130	154	0	209	109	170	0	196	147	160	0	184	141	0	0	0	0	0
200	80	0	72	0	140	0	130	0	0	0	0	0	159	0	193	124	159	0	213	120	172	0	188	148	161	0	177	129	0	0	0	0	0
300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
400	76	0	70	0	149	0	128	0	0	0	0	0	167	0	216	132	169	0	261	91	179	0	195	165	167	0	184	146	0	0	0	0	0
500	78	0	67	0	141	0	122	0	0	0	0	0	172	0	206	143	173	0	237	125	182	0	208	145	171	0	197	154	0	0	0	0	0
600	67	0	61	0	134	0	111	0	0	0	0	0	159	0	190	134	159	0	209	120	177	0	207	153	166	0	184	145	0	0	0	0	0
700	74	0	67	0	133	0	124	0	0	0	0	0	157	0	186	130	156	0	186	119	175	0	189	146	163	0	180	135	0	0	0	0	0
800	92	0	90	0	151	0	141	0	0	0	0	0	160	0	194	119	162	0	210	97	176	0	196	152	164	0	188	145	0	0	0	0	0
900	73	0	63	0	135	0	116	0	0	0	0	0	170	0	245	99	172	0	260	129	179	0	217	145	167	0	193	142	0	0	0	0	0
1000	52	0	43	0	88	0	9	0	0	0	0	0	165	0	232	92	166	0	237	90	179	0	210	139	168	0	230	126	0	0	0	0	0
1100	52	0	48	0	94	0	85	0	0	0	0	0	170	0	232	101	172	0	254	95	184	0	213	155	172	0	205	148	0	0	0	0	0
1200	83	0	75	2	147	0	132	2	0	0	0	0	165	0	209	118	166	2	223	120	179	0	199	158	168	2	189	146	0	0	0	0	0
1300	65	0	50	0	91	0	82	0	0	0	0	0	204	0	260	131	205	0	266	90	197	0	252	139	185	0	232	126	0	0	0	0	0
1400	54	0	43	0	78	0	70	0	0	0	0	0	184	0	250	94	184	0	259	90	196	0	238	146	182	0	212	138	0	0	0	0	0
1500	72	0	56	0	121	0	105	0	0	0	0	0	199	0	265	92	198	0	266	125	196	0	224	121	185	0	216	141	0	0	0	0	0
1600	107	0	102	0	149	0	157	0	0	0	0	0	238	0	262	199	233	0	265	178	239	0	267	218	226	0	261	198	0	0	0	0	0
1700	95	0	90	0	109	0	116	0	0	0	0	0	255	0	295	218	251	0	306	210	265	0	307	232	250	0	297	212	0	0	0	0	0
1800	12	0	7	0	35	0	16	0	0	0	0	0	192	0	269	118	180	3	267	92	195	0	268	144	187	0	269	146	0	0	0	0	0
1900	78	0	73	0	135	0	124	0	0	0	0	0	176	0	244	123	173	0	256	90	185	0	243	112	172	0	230	133	0	0	0	0	0
2000	54	0	48	0	102	0	87	0	0	0	0	0	185	0	234	127	190	0	258	133	198	0	224	174	185	0	205	161	0	0	0	0	0
2100	51	0	50	0	109	0	95	0	0	0	0	0	177	0	219	109	177	0	251	97	191	0	216	172	178	0	194	156	0	0	0	0	0
2200	51	0	54	0	106	0	103	0	0	0	0	0	157	0	198	110	156	0	255	98	173	0	196	144	161	0	185	130	0	0	0	0	0
2300	52	0	55	0	106	0	99	0	0	0	0	0	166	0	197	141	167	0	206	116	182	0	195	167	169	0	180	147	0	0	0	0	0
2400	57	0	53	0	113	0	99	0	0	0	0	0	184	0	259	109	187	0	257	91	196	0	217	174	184	0	218	147	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	519	0	525	0	531	0	521	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
200	519	0	525	0	535	0	525	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
400	523	0	527	0	535	0	527	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
500	521	0	525	0	533	0	525	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
600	519	0	525	0	531	0	521	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
700	512	0	518	0	518	0	518	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
800	519	0	525	0	514	0	519	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
900	527	0	532	0	529	0	519	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1000	536	0	539	0	531	0	521	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1100	550	0	555	0	550	0	532	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1200	548	0	552	2	534	2	536	2	320	0	320	0	-7	0	-10	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1300	589	0	590	0	589	0	555	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1400	591	0	597	0	569	0	564	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1500	597	0	602	0	573	0	573	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1600	563	0	568	0	589	0	559	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1700	539	0	545	0	532	0	539	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1800	541	0	546	0	534	0	536	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1900	539	0	545	0	537	0	537	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2000	505	0	510	0	505	0	505	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2100	492	0	496	0	492	0	492	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2200	491	0	496	0	491	0	489	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2300	492	0	496	0	496	0	494	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2400	[illegible]	0	498	0	498	0	496	0	320	0	320	0	3	0	0	0	[illegible]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS = 0.=VALID, 1 = QUESTIONABLE 2 = IN[illegible]0,.3 = UNSTEADY DIRECTION, 5.=FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 130A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	MIN	MAX	WIND DIR3 150A	MIN	MAX	WIND DIR4 150B	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	MIN	MAX
100	48	0	45	0	102	0	86	0	0	0	0	0	190	0	256	143	190	0	257	132	196	0	213	176	182	0	201	165	0	0	0
200	39	0	36	0	90	0	79	0	0	0	0	0	189	0	233	129	189	0	261	93	201	0	225	156	189	0	210	162	0	0	0
300	60	0	61	0	89	0	93	0	0	0	0	0	240	0	272	214	240	0	272	211	242	0	260	212	227	0	247	196	0	0	0
400	60	0	63	0	84	0	85	0	0	0	0	0	313	0	338	278	309	0	346	277	334	0	357	303	314	0	333	282	0	0	0
500	45	0	48	0	95	0	95	0	0	0	0	0	315	0	356	274	309	0	352	261	348	0	6	326	329	0	344	310	0	0	0
600	62	0	63	0	77	0	80	0	0	0	0	0	296	0	333	267	293	0	321	250	318	0	343	276	299	0	341	252	0	0	0
700	64	0	65	0	83	0	86	0	0	0	0	0	269	0	306	249	266	0	311	238	286	0	316	265	268	0	293	240	0	0	0
800	71	0	74	0	108	0	113	0	0	0	0	0	279	0	318	247	273	0	312	244	299	0	321	269	279	0	302	296	0	0	0
900	135	0	136	0	164	0	167	0	0	0	0	0	270	0	301	244	267	0	310	226	283	0	326	252	265	0	294	231	0	0	0
1000	113	0	119	0	141	0	152	0	0	0	0	0	290	0	338	251	283	0	341	232	294	0	322	259	278	0	303	232	0	0	0
1100	96	0	97	0	109	0	117	0	0	0	0	0	289	0	324	254	286	0	323	245	293	0	323	266	274	0	309	237	0	0	0
1200	100	0	102	0	117	0	122	0	0	0	0	0	278	0	322	236	276	0	323	211	283	0	315	252	265	0	293	231	0	0	0
1300	95	0	98	0	109	0	116	0	0	0	0	0	281	0	326	251	279	0	322	234	289	0	337	248	272	0	306	239	0	0	0
1400	97	0	100	0	114	0	121	0	0	0	0	0	269	0	304	240	264	0	306	227	277	0	292	250	258	0	273	232	0	0	0
1500	155	0	157	0	177	0	187	0	0	0	0	0	265	0	277	245	262	0	296	226	268	0	284	257	252	0	265	242	0	0	0
1600	170	0	174	0	179	0	182	0	0	0	0	0	267	0	287	247	263	0	297	244	273	0	284	262	258	0	269	249	0	0	0
1700	158	0	156	0	162	0	171	0	0	0	0	0	267	0	283	256	262	0	288	237	274	0	287	263	258	0	271	245	0	0	0
1800	146	0	142	0	185	0	159	0	0	0	0	0	266	0	292	243	260	0	289	226	275	0	303	243	259	0	281	230	0	0	0
1900	153	0	156	0	162	0	168	0	0	0	0	0	268	0	285	251	263	0	288	237	275	0	297	258	260	0	281	250	0	0	0
2000	83	2	75	2	147	2	132	2	0	0	0	0	165	2	204	118	166	2	223	120	179	2	199	158	168	2	189	146	0	0	0
2100	185	0	184	0	188	0	196	0	0	0	0	0	267	0	285	234	261	0	278	230	273	0	292	259	257	0	268	232	0	0	0
2200	196	0	195	0	206	0	215	0	0	0	0	0	267	0	288	254	263	0	288	239	275	0	294	256	260	0	280	243	0	0	0
2300	194	0	195	0	212	0	221	0	0	0	0	0	268	0	282	250	263	0	284	240	275	0	294	245	259	0	285	233	0	0	0
2400	167	0	169	0	205	0	217	0	0	0	0	0	263	0	287	227	259	0	288	214	263	0	276	245	250	0	269	231	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN	S
100	498	0	503	0	498	0	498	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	498	0	503	0	501	0	501	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	505	0	510	0	501	0	501	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	429	0	435	0	429	0	429	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	410	0	415	0	410	0	410	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	395	0	402	0	392	0	393	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	381	0	388	0	383	0	384	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	383	0	388	0	379	0	379	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	372	0	377	0	365	0	366	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	363	0	368	0	354	0	354	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	365	0	370	0	354	0	354	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	361	0	366	0	350	0	350	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	363	0	368	0	352	0	352	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	366	0	372	0	357	0	357	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	377	0	383	0	370	0	370	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	372	0	377	0	365	0	366	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	361	0	366	0	352	0	354	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	357	0	363	0	348	0	348	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	354	0	359	0	343	0	345	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	352	2	357	2	343	2	345	2	320	0	320	0	-7	2	-10	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	345	0	350	0	336	0	338	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	330	0	336	0	325	0	327	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	316	0	321	0	309	0	309	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	309	0	314	0	302	0	303	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
														50 B				150A				150B											
100	185	0	187	0	200	0	211	0	0	0	0	0	270	0	283	254	265	0	282	238	269	0	284	229	254	0	265	229	0	0	0	0	
200	140	0	139	0	174	0	185	0	0	0	0	0	265	0	288	239	262	0	304	227	264	0	284	241	251	0	262	228	0	0	0	0	
300	149	0	149	0	178	0	189	0	0	0	0	0	265	0	288	242	261	0	300	220	265	0	276	239	251	0	261	221	0	0	0	0	
400	124	0	118	0	158	0	168	0	0	0	0	0	259	0	282	226	256	0	288	199	261	0	278	239	245	0	261	212	0	0	0	0	
500	117	0	112	0	149	0	156	0	0	0	0	0	260	0	289	226	256	0	305	203	260	0	286	230	245	0	261	217	0	0	0	0	
600	111	0	110	0	147	0	155	0	0	0	0	0	259	0	292	235	255	0	304	219	259	0	284	224	245	0	261	214	0	0	0	0	
700	115	0	111	0	143	0	153	0	0	0	0	0	258	0	294	231	254	0	299	209	259	0	284	225	244	0	278	203	0	0	0	0	
800	101	0	95	0	135	0	133	0	0	0	0	0	248	0	282	203	246	0	305	187	248	0	285	198	234	0	265	192	0	0	0	0	
900	95	0	87	0	133	0	138	0	0	0	0	0	241	0	279	201	238	0	303	191	239	0	275	196	225	0	268	183	0	0	0	0	
1000	138	0	139	0	178	0	190	0	0	0	0	0	250	0	275	226	247	0	283	210	251	0	268	229	238	0	256	212	0	0	0	0	
1100	127	0	125	0	149	0	157	0	0	0	0	0	247	0	278	219	243	0	271	208	246	0	267	215	232	0	260	199	0	0	0	0	
1200	134	0	130	0	167	0	168	0	0	0	0	0	249	0	267	222	244	0	271	191	246	0	266	223	231	0	259	213	0	0	0	0	
1300	100	0	95	0	137	0	132	0	0	0	0	0	245	0	290	194	242	0	283	186	241	0	274	215	227	0	257	197	0	0	0	0	
1400	124	0	122	0	148	0	148	0	0	0	0	0	251	0	277	223	247	0	276	210	247	0	266	231	234	0	256	218	0	0	0	0	
1500	108	0	104	0	130	0	139	0	0	0	0	0	253	0	293	232	250	0	291	216	254	0	278	222	240	0	263	223	0	0	0	0	
1600	102	0	99	0	126	0	133	0	0	0	0	0	252	0	289	230	248	0	283	203	252	0	272	238	238	0	259	212	0	0	0	0	
1700	55	0	45	0	76	0	75	0	0	0	0	0	224	0	266	152	226	0	304	180	223	0	258	191	208	0	243	177	0	0	0	0	
1800	47	0	42	0	73	0	66	0	0	0	0	0	177	0	237	104	172	0	259	90	183	0	225	150	170	0	197	130	0	0	0	0	
1900	45	0	39	0	66	0	67	0	0	0	0	0	142	0	179	116	142	0	160	119	157	0	177	128	146	0	165	123	0	0	0	0	
2000	56	0	49	0	62	0	65	0	0	0	0	0	108	0	131	85	111	0	136	78	113	0	131	98	103	0	123	78	0	0	0	0	
2100	53	0	51	0	65	0	68	0	0	0	0	0	107	0	123	89	107	0	134	76	111	0	126	100	101	0	118	88	0	0	0	0	
2200	45	0	39	0	49	0	53	0	0	0	0	0	118	0	135	103	121	0	141	86	128	0	144	111	118	0	129	96	0	0	0	0	
2300	40	0	36	0	39	0	43	0	0	0	0	0	126	0	146	109	129	0	141	91	140	0	165	127	131	0	151	112	0	0	0	0	
2400	28	0	24	0	38	0	41	0	0	0	0	0	148	0	183	108	149	3	188	97	158	0	178	130	147	0	164	123	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	296	0	300	0	289	0	289	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
200	284	0	291	0	280	0	280	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
300	282	0	287	0	275	0	276	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
400	278	0	284	0	273	0	275	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
500	276	0	282	0	271	0	273	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
600	278	0	284	0	273	0	275	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
700	282	0	287	0	276	0	278	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
800	282	0	287	0	275	0	275	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
900	273	0	278	0	269	0	269	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1000	276	0	284	0	271	0	271	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1100	276	0	282	0	275	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1200	275	0	280	0	267	0	267	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1300	282	0	287	0	271	0	273	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1400	285	0	291	0	276	0	276	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1500	287	0	293	0	280	0	280	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1600	289	0	294	0	282	0	282	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1700	289	0	294	0	284	0	285	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1800	278	0	284	0	275	0	275	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1900	276	0	282	0	271	0	273	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2000	276	0	282	0	275	0	275	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2100	275	0	280	0	273	0	275	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2200	275	0	282	0	275	0	276	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2300	278	0	284	0	276	0	278	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2400	278	0	284	0	276	0	278	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	Wind DIR6
100	42	0	34	0	47	0	49	0	0	0	0	0	107	0	128	79	106	0	135	75	108	0	133	77	97	0	123	62	0	0	0	0	0
200	45	0	40	0	46	0	47	0	0	0	0	0	82	0	109	54	83	0	130	58	85	0	104	71	72	0	84	57	0	0	0	0	0
300	39	0	35	0	41	0	43	0	0	0	0	0	81	0	117	63	80	0	130	58	82	0	103	69	69	0	85	55	0	0	0	0	0
400	32	0	27	0	38	0	40	0	0	0	0	0	43	0	67	19	53	3	85	14	43	0	55	27	27	0	39	12	0	0	0	0	0
500	31	0	31	0	40	0	51	0	0	0	0	0	59	0	78	27	68	0	85	26	52	0	62	45	38	0	52	32	0	0	0	0	0
600	35	0	34	0	47	0	53	0	0	0	0	0	53	0	77	33	69	0	87	29	57	0	65	51	44	0	52	37	0	0	0	0	0
700	39	0	39	0	50	0	58	0	0	0	0	0	76	0	94	58	75	0	102	59	70	0	84	53	57	0	76	38	0	0	0	0	0
800	48	0	48	0	51	0	60	0	0	0	0	0	69	0	93	41	72	0	92	38	65	0	97	48	52	0	73	35	0	0	0	0	0
900	42	0	41	0	42	0	51	0	0	0	0	0	65	0	87	39	71	0	96	39	60	0	98	34	47	0	73	17	0	0	0	0	0
1000	60	0	52	0	59	0	61	0	0	0	0	0	33	0	69	6	31	0	85	350	35	0	65	10	18	0	50	357	0	0	0	0	0
1100	56	0	56	0	67	0	66	0	0	0	0	0	69	0	95	27	72	0	98	13	69	0	110	29	54	0	98	22	0	0	0	0	0
1200	65	0	58	0	61	0	61	0	0	0	0	0	39	0	75	23	36	0	84	2	34	0	71	15	16	0	51	352	0	0	0	0	0
1300	67	0	61	0	78	0	78	0	0	0	0	0	19	0	57	329	15	0	82	309	8	0	49	330	348	0	20	301	0	0	0	0	0
1400	73	0	69	0	92	0	91	0	0	0	0	0	16	0	42	329	12	0	69	309	11	0	59	325	354	0	30	311	0	0	0	0	0
1500	95	0	87	0	100	0	97	0	0	0	0	0	31	0	53	2	25	0	80	338	20	0	45	341	3	0	32	318	0	0	0	0	0
1600	129	0	120	0	147	0	149	0	0	0	0	0	27	0	55	2	29	0	80	341	21	0	53	348	2	0	25	335	0	0	0	0	0
1700	121	0	113	0	143	0	140	0	0	0	0	0	31	0	55	337	26	0	81	300	20	0	47	351	1	0	25	329	0	0	0	0	0
1800	134	0	122	0	174	0	172	0	0	0	0	0	23	0	44	0	18	0	61	345	15	0	44	326	358	0	23	325	0	0	0	0	0
1900	135	0	124	0	175	0	170	0	0	0	0	0	20	0	50	344	12	0	75	317	12	0	37	342	353	0	15	314	0	0	0	0	0
2000	137	0	130	0	187	0	183	0	0	0	0	0	25	0	51	350	19	0	81	321	11	0	36	333	353	0	22	314	0	0	0	0	0
2100	148	0	139	0	183	0	178	0	0	0	0	0	25	0	47	2	20	0	78	340	13	0	43	344	355	0	20	322	0	0	0	0	0
2200	148	0	135	0	171	0	169	0	0	0	0	0	28	0	45	0	21	0	81	348	22	0	55	347	3	0	38	330	0	0	0	0	0
2300	154	0	149	0	192	0	186	0	0	0	0	0	29	0	49	359	23	0	76	315	25	0	50	4	7	0	31	335	0	0	0	0	0
2400	149	0	140	0	190	0	184	0	0	0	0	0	27	0	62	359	23	0	69	359	16	0	47	351	0	0	26	334	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	Rain
100	280	0	287	0	278	0	280	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
200	280	0	285	0	278	0	280	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
300	278	0	284	0	278	0	280	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
400	275	0	282	0	278	0	280	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
500	278	0	284	0	280	0	280	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
600	282	0	287	0	284	0	284	0	320	0	320	0	-1	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
700	285	0	291	0	284	0	284	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
800	287	0	293	0	285	0	285	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
900	298	0	303	0	291	0	293	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	321	0	323	0	316	0	316	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	330	0	336	0	331	0	323	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	325	0	330	0	333	0	325	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	325	0	330	0	331	0	321	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	325	0	330	0	330	0	321	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	330	0	334	0	337	0	329	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	338	0	343	0	336	0	338	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	336	0	343	0	336	0	336	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	330	0	336	0	329	0	330	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	329	0	334	0	325	0	327	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	330	0	336	0	327	0	329	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	329	0	334	0	325	0	327	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	327	0	332	0	331	0	321	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	323	0	329	0	320	0	320	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	318	0	323	0	312	0	314	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1.	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4.	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	133	0	123	0	165	0	160	0	0	0	0	0	29	0	48	7	25	0	79	351	21	0	43	3	3	0	27	349	0	0	0	0	U
200	154	0	143	0	192	0	185	0	0	0	0	0	30	0	53	0	25	0	71	342	23	0	42	356	5	0	33	335	0	0	0	0	U
300	164	0	155	0	196	0	195	0	0	0	0	0	30	0	61	3	27	0	84	348	21	0	47	359	9	0	25	343	0	0	0	0	U
400	143	0	135	0	208	0	204	0	0	0	0	0	19	0	42	339	13	0	75	313	6	0	41	335	348	0	13	315	0	0	0	0	U
500	117	0	107	0	203	0	198	0	0	0	0	0	3	0	62	302	359	0	98	283	3	0	44	326	342	0	21	273	0	0	0	0	U
600	130	0	118	0	202	0	198	0	0	0	0	0	14	0	69	331	9	0	83	310	0	0	38	302	342	0	18	297	0	0	0	0	U
700	140	0	133	0	176	0	175	0	0	0	0	0	27	0	57	357	24	0	84	346	18	0	45	352	1	0	38	324	0	0	0	0	U
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
1600	140	0	131	0	199	0	191	0	0	0	0	0	347	0	42	317	337	0	67	286	356	0	34	307	338	0	21	311	0	0	0	0	U
1700	117	0	105	0	165	0	161	0	0	0	0	0	349	0	49	311	342	0	80	291	357	0	40	315	338	0	6	289	0	0	0	0	U
1800	121	0	109	0	173	0	170	0	0	0	0	0	350	0	32	309	342	0	30	304	353	0	30	312	335	0	21	308	0	0	0	0	U
1900	0	2	0	2	0	2	0	2	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	0	0	U
2000	110	0	99	0	175	0	171	0	0	0	0	0	6	0	51	313	1	0	66	300	3	0	58	335	346	0	55	309	0	0	0	0	U
2100	109	0	100	0	161	0	158	0	0	0	0	0	15	0	54	286	6	0	84	286	7	0	39	328	350	0	31	316	0	0	0	0	U
2200	91	0	86	0	138	0	128	0	0	0	0	0	19	0	55	330	15	0	80	305	5	0	39	317	347	0	37	289	0	0	0	0	U
2300	119	0	111	0	198	0	154	0	0	0	0	0	21	0	53	351	15	0	85	340	14	0	45	343	357	0	21	323	0	0	0	0	U
2400	81	0	75	0	102	0	101	0	0	0	0	0	31	0	54	7	26	0	78	346	22	0	46	359	6	0	33	335	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	312	0	318	0	309	0	311	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
200	309	0	314	0	305	0	307	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
300	312	0	318	0	309	0	311	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
400	318	0	323	0	314	0	316	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
500	320	0	325	0	318	0	320	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
600	314	0	321	0	311	0	312	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
700	307	0	312	0	302	0	303	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U
1600	314	0	321	0	307	0	309	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1700	321	0	323	0	312	0	312	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1800	320	0	327	0	320	0	321	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1900	320	0	320	0	320	0	320	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
2000	323	0	329	0	320	0	321	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
2100	323	0	330	0	323	0	325	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
2200	323	0	330	0	320	0	320	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
2300	327	0	332	0	320	0	320	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
2400	320	0	327	0	312	0	314	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	129	0	119	0	134	0	152	0	0	0	0	0	34	0	64	12	32	0	85	356	28	0	55	8	12	0	42	340	0	0	0	0	0
200	82	0	81	0	101	0	105	0	0	0	0	0	48	0	76	24	48	0	80	356	41	0	65	22	25	0	49	7	0	0	0	0	0
300	49	0	47	0	59	0	71	0	0	0	0	0	69	0	97	47	70	0	107	39	64	0	86	43	49	0	83	27	0	0	0	0	0
400	132	0	122	2	108	0	163	2	0	0	0	0	29	0	49	2	22	2	74	356	23	0	50	0	8	2	64	341	0	0	0	0	0
500	89	0	91	0	130	0	125	0	0	0	0	0	54	0	79	32	58	0	92	17	51	0	75	31	37	0	66	19	0	0	0	0	0
600	70	0	71	0	91	0	100	0	0	0	0	0	56	0	78	26	57	0	84	13	52	0	79	26	34	0	62	14	0	0	0	0	0
700	66	0	69	0	83	0	93	0	0	0	0	0	60	0	83	40	61	0	90	29	57	0	78	37	40	0	66	14	0	0	0	0	0
800	83	0	86	0	134	0	121	0	0	0	0	0	81	0	132	56	79	0	118	55	77	0	98	48	61	0	78	41	0	0	0	0	0
900	94	0	88	0	99	0	101	0	0	0	0	0	86	0	112	61	85	0	124	49	92	0	130	59	78	0	113	53	0	0	0	0	0
1000	77	0	72	0	76	0	80	0	0	0	0	0	104	0	148	60	101	0	163	35	101	0	142	52	88	0	131	48	0	0	0	0	0
1100	62	0	57	0	65	0	76	0	0	0	0	0	91	0	123	41	86	0	137	51	86	0	154	50	72	0	137	40	0	0	0	0	0
1200	80	0	76	0	78	0	84	0	0	0	0	0	83	0	126	38	82	0	135	24	82	0	111	38	69	0	129	20	0	0	0	0	0
1300	66	0	62	0	63	0	68	0	0	0	0	0	57	0	104	0	59	0	98	5	66	0	132	9	51	0	108	6	0	0	0	0	0
1400	82	0	72	0	102	0	102	0	0	0	0	0	3	0	73	301	357	0	80	296	6	0	72	318	349	0	47	294	0	0	0	0	0
1500	83	0	74	0	96	0	96	0	0	0	0	0	9	0	72	292	5	0	84	299	7	0	62	312	348	0	75	282	0	0	0	0	0
1600	120	0	114	0	119	0	135	0	0	0	0	0	26	0	54	343	17	0	85	317	18	0	53	342	1	0	44	328	0	0	0	0	0
1700	121	0	111	0	117	0	133	0	0	0	0	0	32	0	53	10	28	0	80	356	31	0	67	358	13	0	37	333	0	0	0	0	0
1800	83	0	75	0	93	0	92	0	0	0	0	0	31	0	56	13	27	0	77	2	35	0	55	16	19	0	46	353	0	0	0	0	0
1900	85	0	82	0	109	0	111	0	0	0	0	0	86	0	101	69	84	0	117	62	85	0	111	65	72	0	91	53	0	0	0	0	0
2000	95	0	88	0	130	0	125	0	0	0	0	0	92	0	112	80	92	0	130	68	91	0	111	80	77	0	94	66	0	0	0	0	0
2100	97	0	89	0	138	0	135	0	0	0	0	0	92	0	106	74	88	0	125	60	90	0	100	76	75	0	87	60	0	0	0	0	0
2200	98	0	90	0	138	0	139	0	0	0	0	0	102	0	127	78	99	0	125	75	99	0	118	84	86	0	101	71	0	0	0	0	0
2300	96	0	87	0	136	0	121	0	0	0	0	0	114	0	129	98	115	0	133	96	115	0	131	100	103	0	120	90	0	0	0	0	0
2400	92	0	83	0	138	0	122	0	0	0	0	0	114	0	129	101	114	0	133	96	115	0	125	99	103	0	113	92	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	307	0	312	0	303	0	305	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
200	296	0	303	0	296	0	298	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
300	271	0	278	0	276	0	278	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
400	264	0	271	2	267	2	269	2	320	0	320	0	1	0	-5	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
500	260	0	267	0	262	0	262	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
600	253	0	260	0	283	0	255	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
700	244	0	251	0	249	0	249	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
800	260	0	266	0	258	0	260	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
900	276	0	282	0	273	0	273	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	302	0	307	0	291	0	291	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	334	0	338	0	330	0	321	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	341	0	347	0	339	0	329	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	365	0	368	0	350	0	350	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	350	0	356	0	332	0	334	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	347	0	352	0	330	0	332	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	334	0	339	0	330	0	332	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	336	0	341	0	334	0	336	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	343	0	348	0	341	0	343	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	352	0	359	0	352	0	354	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	329	0	334	0	330	0	332	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	307	0	314	0	307	0	309	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	293	0	300	0	293	0	294	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	291	0	296	0	289	0	291	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	289	0	293	0	287	0	287	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS (S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEYS

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S	MIN	MAX
100	162	0	155	0	217	0	209	0	0	0	0	0	28	0	55	25	0	79	347	21	0	59	356	4	0	34	330	0	0	0	0	0	0
200	156	0	147	0	214	0	212	0	0	0	0	0	24	0	80	352	16	0	65	317	13	0	41	340	355	0	27	323	0	0	0	0		
300	163	0	156	0	241	0	238	0	0	0	0	0	22	0	48	357	18	0	81	318	12	0	45	335	353	0	58	298	0	0	0	0		
400	147	0	137	0	236	0	223	0	0	0	0	0	20	0	55	338	15	0	79	277	8	0	36	318	348	0	54	316	0	0	0	0		
500	160	0	149	0	235	0	230	0	0	0	0	0	20	0	44	345	16	0	85	318	10	0	35	330	350	0	33	319	0	0	0	0		
600	177	0	169	0	240	0	243	0	0	0	0	0	22	0	46	356	14	0	52	331	12	0	42	343	355	0	78	320	0	0	0	0		
700	197	0	187	0	252	0	247	0	0	0	0	0	26	0	49	355	21	0	78	349	16	0	39	354	1	0	65	336	0	0	0	0		
800	180	0	174	0	247	0	239	0	0	0	0	0	25	0	46	353	20	0	65	321	17	0	42	347	2	0	77	339	0	0	0	0		
900	196	0	182	0	249	0	261	0	0	0	0	0	22	0	47	359	18	0	75	318	13	0	35	335	356	0	41	322	0	0	0	0		
1000	159	0	145	0	239	0	222	0	0	0	0	0	22	0	53	352	15	0	71	317	9	0	30	337	354	0	62	323	0	0	0	0		
1100	139	0	122	0	206	0	200	0	0	0	0	0	19	0	50	341	13	0	78	308	6	0	42	317	348	0	13	312	0	0	0	0		
1200	118	0	112	0	179	0	180	0	0	0	0	0	14	0	55	303	9	0	79	306	0	0	34	325	342	0	78	303	0	0	0	0		
1300	123	0	105	0	198	0	190	0	0	0	0	0	358	0	37	319	355	0	76	276	358	0	39	320	339	0	24	305	0	0	0	0		
1400	172	0	161	0	246	0	234	0	0	0	0	0	346	0	21	325	335	0	24	275	357	0	27	328	338	0	37	311	0	0	0	0		
1500	189	0	173	0	249	0	240	0	0	0	0	0	346	0	12	317	336	0	23	274	355	0	38	321	337	0	27	307	0	0	0	0		
1600	184	0	168	0	246	0	242	0	0	0	0	0	346	0	19	315	339	0	61	291	356	0	20	335	336	0	17	319	0	0	0	0		
1700	153	0	128	0	228	0	217	0	0	0	0	0	351	0	51	300	346	0	80	288	356	0	51	297	337	0	20	289	0	0	0	0		
1800	134	0	120	0	234	0	221	0	0	0	0	0	12	0	117	322	2	0	76	276	0	0	42	315	342	0	62	290	0	0	0	0		
1900	135	0	125	0	208	0	208	0	0	0	0	0	14	0	53	307	6	0	77	201	9	0	37	331	345	0	25	319	0	0	0	0		
2000	143	0	134	0	221	0	213	0	0	0	0	0	18	0	59	323	8	0	79	299	6	0	55	325	345	0	38	313	0	0	0	0		
2100	149	0	139	0	230	0	208	0	0	0	0	0	20	0	51	334	13	0	65	313	6	0	26	321	348	0	50	298	0	0	0	0		
2200	141	0	135	0	183	0	178	0	0	0	0	0	29	0	52	6	22	0	81	347	21	0	54	356	2	0	40	337	0	0	0	0		
2300	117	0	106	0	183	0	148	0	0	0	0	0	26	0	45	355	19	0	80	313	21	0	60	354	5	0	78	339	0	0	0	0		
2400	113	0	104	0	134	0	131	0	0	0	0	0	31	0	59	10	25	0	86	356	23	0	42	0	8	0	74	343	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN	S
100	334	0	341	0	339	0	329	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
200	329	0	334	0	331	0	321	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
300	336	0	343	0	330	0	332	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
400	329	0	334	0	331	0	323	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
500	332	0	339	0	337	0	327	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
600	336	0	341	0	339	0	329	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
700	338	0	343	0	339	0	330	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
800	336	0	343	0	334	0	336	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
900	338	0	343	0	330	0	330	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1000	336	0	343	0	339	0	330	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1100	332	0	339	0	335	0	327	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1200	330	0	343	0	339	0	329	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1300	334	0	339	0	335	0	325	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1400	330	0	336	0	331	0	323	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1500	330	0	338	0	333	0	325	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1600	332	0	338	0	333	0	325	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1700	332	0	339	0	335	0	327	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1800	334	0	339	0	337	0	327	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1900	332	0	336	0	337	0	327	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2000	329	0	334	0	333	0	323	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2100	321	0	329	0	318	0	321	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2200	318	0	323	0	311	0	312	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2300	314	0	320	0	309	0	311	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2400	311	0	316	0	303	0	305	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIREGTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES NET RADIATION ...

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	125	0	124	0	177	0	175	0	0	0	0	0	116	0	131	101	118	0	142	87	117	0	137	107	107	0	125	94	0	0	0	0	0	0
200	142	0	140	0	193	0	193	0	0	0	0	0	115	0	128	99	116	0	137	86	115	0	129	83	105	0	124	86	0	0	0	0	0	0
300	157	0	153	0	208	0	210	0	0	0	0	0	111	0	125	91	119	0	136	87	113	0	126	93	103	0	118	85	0	0	0	0	0	0
400	161	0	160	0	215	0	218	0	0	0	0	0	119	0	125	98	118	0	137	92	117	0	125	107	108	0	116	97	0	0	0	0	0	0
500	160	0	161	0	209	0	215	0	0	0	0	0	119	0	133	106	122	0	138	98	124	0	141	113	115	0	136	103	0	0	0	0	0	0
600	133	0	131	0	170	0	177	0	0	0	0	0	119	0	131	109	121	0	143	92	128	0	141	114	118	0	131	102	0	0	0	0	0	0
700	120	0	127	0	175	0	178	0	0	0	0	0	126	0	140	113	130	0	152	104	135	0	154	120	125	0	138	110	0	0	0	0	0	0
800	117	0	129	0	191	0	193	0	0	0	0	0	131	0	144	118	134	0	170	114	142	0	158	121	132	0	147	120	0	0	0	0	0	0
900	104	0	111	0	172	0	177	0	0	0	0	0	136	0	164	110	140	0	176	115	150	0	163	134	140	0	169	125	0	0	0	0	0	0
1000	112	0	122	0	189	0	187	0	0	0	0	0	133	0	156	115	137	0	166	110	145	0	167	130	134	0	147	113	0	0	0	0	0	0
1100	115	0	128	0	182	0	190	0	0	0	0	0	140	0	162	122	144	0	186	105	153	0	170	131	141	0	162	123	0	0	0	0	0	0
1200	101	0	110	0	162	0	165	0	0	0	0	0	142	0	169	118	145	0	187	92	152	0	182	124	142	0	167	117	0	0	0	0	0	0
1300	66	0	69	0	104	0	106	0	0	0	0	0	141	0	102	105	141	0	187	92	155	0	180	126	144	0	165	110	0	0	0	0	0	0
1400	74	0	78	0	93	0	95	0	0	0	0	0	127	0	160	102	131	0	176	87	140	0	165	113	129	0	154	101	0	0	0	0	0	0
1500	57	0	59	0	68	0	69	0	0	0	0	0	122	0	162	98	127	0	170	87	130	0	149	107	119	0	137	93	0	0	0	0	0	0
1600	44	0	51	0	46	0	58	0	0	0	0	0	73	0	91	51	74	0	93	36	81	0	112	59	67	0	93	45	0	0	0	0	0	0
1700	87	0	88	0	108	0	109	0	0	0	0	0	87	0	125	59	90	0	132	40	85	0	112	38	72	0	100	22	0	0	0	0	0	0
1800	29	0	27	0	49	0	53	0	0	0	0	0	181	0	259	90	186	3	261	91	224	0	269	93	210	0	252	102	0	0	0	0	0	0
1900	25	0	24	0	38	0	21	0	0	0	0	0	179	0	232	98	178	0	230	91	227	0	347	118	219	0	311	90	0	0	0	0	0	0
2000	109	0	109	0	157	0	164	0	0	0	0	0	242	0	265	215	241	0	280	204	247	0	271	206	232	0	258	186	0	0	0	0	0	0
2100	113	0	116	0	170	0	177	0	0	0	0	0	242	0	277	203	240	0	273	193	240	0	265	211	225	0	246	198	0	0	0	0	0	0
2200	69	0	65	0	92	0	105	0	0	0	0	0	232	0	260	206	231	0	266	189	242	0	274	213	225	0	241	190	0	0	0	0	0	0
2300	49	0	50	0	68	0	68	0	0	0	0	0	306	0	359	238	304	0	358	232	336	0	17	276	311	0	359	231	0	0	0	0	0	0
2400	174	0	170	0	226	0	212	0	0	0	0	0	30	0	52	7	26	0	85	348	28	0	55	5	10	0	39	339	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	316	0	321	0	316	0	316	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36
200	321	0	329	0	321	0	321	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30
300	332	0	339	0	330	0	332	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	27
400	339	0	345	0	341	0	341	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	32
500	356	0	361	0	346	0	356	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	47
600	368	0	374	0	368	0	368	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	26
700	377	0	383	0	375	0	375	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	19
800	379	0	386	0	379	0	379	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	12
900	388	0	395	0	388	0	388	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	12
1000	402	0	408	0	395	0	397	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	14
1100	419	0	424	0	411	0	411	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	17
1200	462	0	465	0	440	0	440	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	11
1300	453	0	458	0	440	0	440	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	12
1400	465	0	469	0	447	0	447	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	11
1500	476	0	482	0	467	0	467	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	13
1600	474	0	480	0	469	0	469	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	471	0	474	0	464	0	464	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	426	0	431	0	429	0	429	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6
1900	415	0	420	0	417	0	419	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	393	0	399	0	392	0	392	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	381	0	386	0	377	0	379	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	366	0	374	0	366	0	366	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	365	0	370	0	361	0	361	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	[redacted]	0	357	0	347	0	348	0	320	0	320	0	-5	0	-9	0	[redacted]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	[redacted]

STAT[redacted]DE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = I[redacted]D, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	94	0	97	0	136	0	134	0	0	0	0	0	122	0	142	95	125	0	148	104	130	0	144	116	120	0	133	99	0	0	0	0	0
200	102	0	104	0	134	0	140	0	0	0	0	0	123	0	144	105	126	0	148	102	129	0	150	112	118	0	136	102	0	0	0	0	0
300	102	0	102	0	135	0	126	0	0	0	0	0	111	0	133	100	113	0	132	87	116	0	131	102	105	0	117	90	0	0	0	0	0
400	120	0	121	0	138	0	144	0	0	0	0	0	120	0	129	107	123	0	137	104	126	0	136	112	115	0	124	102	0	0	0	0	0
500	119	0	124	0	150	0	151	0	0	0	0	0	123	0	141	105	126	0	155	103	127	0	144	112	117	0	135	102	0	0	0	0	0
600	103	0	105	0	132	0	136	0	0	0	0	0	119	0	134	97	121	0	141	97	124	0	146	109	114	0	136	90	0	0	0	0	0
700	83	0	88	0	123	0	128	0	0	0	0	0	126	0	142	107	128	0	146	106	134	0	155	117	124	0	142	105	0	0	0	0	0
800	101	0	109	0	141	0	143	0	0	0	0	0	131	0	162	114	136	0	168	109	137	0	156	118	127	0	141	109	0	0	0	0	0
900	110	0	113	0	138	0	132	0	0	0	0	0	119	0	142	100	122	0	159	93	127	0	145	112	117	0	131	103	0	0	0	0	0
1000	124	0	128	0	143	0	150	0	0	0	0	0	121	0	140	100	124	0	152	93	127	0	147	113	116	0	134	101	0	0	0	0	0
1100	106	0	109	0	135	0	126	0	0	0	0	0	122	0	145	98	124	0	175	90	128	0	151	107	117	0	135	86	0	0	0	0	0
1200	106	0	109	0	130	0	135	0	0	0	0	0	115	0	141	88	117	0	143	81	118	0	141	98	107	0	131	82	0	0	0	0	0
1300	121	0	129	0	185	0	157	0	0	0	0	0	99	0	133	62	101	0	145	65	105	0	144	77	94	0	136	65	0	0	0	0	0
1400	129	0	129	0	167	0	169	0	0	0	0	0	105	0	129	74	106	0	142	71	105	0	128	85	94	0	114	73	0	0	0	0	0
1500	160	0	158	0	194	0	198	0	0	0	0	0	119	0	140	95	123	0	146	92	118	0	141	77	109	0	131	69	0	0	0	0	0
1600	174	0	171	0	215	0	216	0	0	0	0	0	114	0	130	97	118	0	142	89	115	0	146	96	104	0	134	86	0	0	0	0	0
1700	155	0	152	0	193	0	194	0	0	0	0	0	109	0	131	93	111	0	137	76	113	0	132	92	102	0	120	87	0	0	0	0	0
1800	165	0	159	0	213	0	214	0	0	0	0	0	105	0	126	76	109	0	137	67	106	0	122	83	96	0	113	73	0	0	0	0	0
1900	194	0	194	0	239	0	259	0	0	0	0	0	105	0	121	79	107	0	131	71	103	0	126	89	93	0	106	79	0	0	0	0	0
2000	215	0	207	0	271	0	273	0	0	0	0	0	111	0	128	93	114	0	145	89	108	0	124	90	99	0	113	86	0	0	0	0	0
2100	202	0	202	0	257	0	262	0	0	0	0	0	109	0	127	90	109	0	132	78	111	0	131	95	103	0	124	90	0	0	0	0	0
2200	208	0	210	0	266	0	267	0	0	0	0	0	115	0	131	93	119	0	149	88	116	0	135	93	106	0	131	79	0	0	0	0	0
2300	175	0	173	0	200	0	239	0	0	0	0	0	107	0	125	79	110	0	154	68	108	0	125	90	99	0	120	82	0	0	0	0	0
2400	121	0	128	0	167	0	174	0	0	0	0	0	125	0	148	109	130	0	171	85	131	0	159	109	121	0	142	101	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN
100	255	0	262	0	261	0	251	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	31
200	257	0	262	0	263	0	253	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	30
300	253	0	258	0	249	0	249	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	26
400	255	0	260	0	249	0	249	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	45
500	260	0	266	0	253	0	253	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	36
600	273	0	278	0	267	0	267	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	32
700	278	0	284	0	273	0	273	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	16
800	282	0	287	0	275	0	275	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	10
900	296	0	303	0	289	0	289	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	12
1000	316	0	321	0	307	0	307	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	12
1100	350	0	357	0	338	0	338	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	43
1200	361	0	366	0	348	0	348	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	44
1300	388	0	393	0	374	0	374	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	40
1400	406	0	411	0	392	0	392	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	42
1500	413	0	420	0	404	0	404	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	43
1600	402	0	408	0	395	0	395	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	42
1700	392	0	399	0	386	0	386	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	19
1800	383	0	388	0	377	0	379	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	24
1900	375	0	381	0	372	0	374	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	55
2000	370	0	375	0	366	0	366	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	55
2100	374	0	379	0	368	0	368	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	32
2200	377	0	381	0	372	0	372	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	36
2300	377	0	383	0	374	0	374	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	35
2400	381	0	388	0	379	0	379	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	36

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 D	MAX 50 D	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6
100	81	0	75	0	109	0	105	0	0	0	0	0	118	0	119	109	113	0	120	103	110	0	112	106	97	0	98	94	0	0	0
200	78	0	71	0	101	0	103	0	0	0	0	0	114	0	122	110	114	0	126	102	114	0	116	112	101	0	103	98	0	0	0
300	84	0	76	0	110	0	113	0	0	0	0	0	113	0	117	110	113	0	120	109	111	0	113	108	97	0	99	94	0	0	0
400	78	0	71	0	110	0	110	0	0	0	0	0	102	0	111	95	100	0	115	90	103	0	107	99	90	0	94	84	0	0	0
500	76	0	67	0	115	0	114	0	0	0	0	0	85	0	92	80	83	0	90	75	94	0	98	90	79	0	83	76	0	0	0
600	83	0	74	0	143	0	140	0	0	0	0	0	82	0	87	76	79	0	90	68	83	0	86	82	68	0	71	64	0	0	0
700	73	0	67	0	138	0	124	0	0	0	0	0	88	0	102	73	87	0	107	64	89	0	92	84	74	0	77	71	0	0	0
800	69	0	61	0	93	0	94	0	0	0	0	0	98	0	119	79	93	0	130	70	93	0	106	76	78	0	87	65	0	0	0
900	68	0	60	0	72	0	75	0	0	0	0	0	116	0	133	100	115	0	135	96	115	0	134	92	102	0	121	82	0	0	0
1000	66	0	64	0	87	0	72	0	0	0	0	0	118	0	143	64	116	0	146	63	110	0	139	69	95	0	126	54	0	0	0
1100	75	0	70	0	71	0	73	0	0	0	0	0	119	0	156	90	117	0	168	78	119	0	139	100	107	0	128	75	0	0	0
1200	66	0	63	0	76	0	80	0	0	0	0	0	133	0	167	70	136	0	180	96	140	0	176	111	128	0	162	95	0	0	0
1300	53	0	48	0	58	0	62	0	0	0	0	0	130	0	176	82	132	0	176	75	139	0	178	62	129	0	165	60	0	0	0
1400	59	0	55	0	57	0	61	0	0	0	0	0	129	0	209	92	128	0	210	94	136	0	205	96	125	0	173	79	0	0	0
1500	64	0	58	0	65	0	68	0	0	0	0	0	116	0	168	73	117	0	174	70	108	0	159	59	96	0	144	47	0	0	0
1600	78	0	75	0	96	0	88	0	0	0	0	0	98	0	143	58	99	0	162	46	96	0	140	62	84	0	129	37	0	0	0
1700	65	0	59	0	71	0	72	0	0	0	0	0	116	0	168	43	120	0	176	30	122	0	169	77	109	0	168	64	0	0	0
1800	74	0	71	0	88	0	91	0	0	0	0	0	128	0	151	91	128	0	161	80	135	0	151	108	125	0	138	96	0	0	0
1900	94	0	86	0	123	0	125	0	0	0	0	0	112	0	129	96	113	0	135	80	113	0	124	99	102	0	118	94	0	0	0
2000	72	0	66	0	104	0	108	0	0	0	0	0	121	0	138	103	123	0	140	102	124	0	134	106	113	0	123	97	0	0	0
2100	57	0	55	0	105	0	110	0	0	0	0	0	135	0	153	124	136	0	167	111	143	0	149	135	132	0	140	125	0	0	0
2200	91	0	90	0	130	0	137	0	0	0	0	0	119	0	130	107	123	0	142	102	128	0	135	122	118	0	129	103	0	0	0
2300	96	0	97	0	138	0	141	0	0	0	0	0	116	0	129	103	119	0	142	84	124	0	140	112	113	0	126	101	0	0	0
2400	103	0	102	0	144	0	146	0	0	0	0	0	120	0	130	106	122	0	136	97	123	0	134	110	112	0	126	101	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	188	0	194	0	206	0	208	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	179	0	179	0	201	0	201	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	170	0	176	0	201	0	201	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	158	0	165	0	190	0	190	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	149	0	156	0	188	0	188	0	320	0	320	0	28	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	136	0	141	0	172	0	172	0	320	0	320	0	28	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	127	0	132	0	159	0	159	0	320	0	320	0	18	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	140	0	143	0	140	0	141	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	167	0	170	0	168	0	168	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	206	0	212	0	195	0	197	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	228	0	233	0	217	0	219	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	260	0	264	0	242	0	242	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	287	0	291	0	264	0	266	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	294	0	298	0	278	0	280	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	309	0	314	0	293	0	294	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	309	0	312	0	300	0	302	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	314	0	320	0	309	0	309	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	309	0	314	0	305	0	307	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	293	0	298	0	294	0	296	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	278	0	295	0	287	0	287	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	264	0	269	0	276	0	278	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	253	0	260	0	258	0	258	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	249	0	253	0	249	0	249	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	249	0	258	0	249	0	249	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION .
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN-MAX S	WIND DIR5	MIN-MAX S	WIND DIR6
100	96	0	100	0	114	0	128	0	0	0	0	0	52	0	78	5	54	0	84	354	49	0	85	11	32	0	65	357	0	0	0	0	0
200	98	0	94	0	103	0	112	0	0	0	0	0	81	0	109	63	79	0	120	59	73	0	92	51	59	0	82	33	0	0	0	0	0
300	68	0	62	0	89	0	89	0	0	0	0	0	102	0	127	71	102	0	126	69	92	0	112	76	77	0	98	54	0	0	0	0	0
400	81	0	74	0	113	0	111	0	0	0	0	0	99	0	116	73	97	0	120	75	89	0	104	79	75	0	87	63	0	0	0	0	0
500	81	0	72	0	114	0	116	0	0	0	0	0	85	0	100	74	81	0	102	57	78	0	86	71	63	0	73	54	0	0	0	0	0
600	74	0	67	0	116	0	116	0	0	0	0	0	109	0	119	102	109	0	129	98	94	0	99	89	79	0	84	73	0	0	0	0	0
700	83	0	75	0	126	0	123	0	0	0	0	0	91	0	111	79	89	0	108	68	85	0	88	82	70	0	73	65	0	0	0	0	0
800	93	0	90	0	112	0	116	0	0	0	0	0	80	0	104	64	78	0	107	54	83	0	107	61	67	0	87	49	0	0	0	0	0
900	119	0	123	0	137	0	145	0	0	0	0	0	80	0	110	47	79	0	131	58	79	0	101	60	65	0	89	44	0	0	0	0	0
1000	82	0	85	0	91	0	101	0	0	0	0	0	70	0	112	33	69	0	113	25	70	0	109	39	53	0	85	20	0	0	0	0	0
1100	123	0	130	0	131	0	151	0	0	0	0	0	67	0	95	28	64	0	92	8	68	0	98	33	52	0	81	13	0	0	0	0	0
1200	92	0	90	0	94	0	105	0	0	0	0	0	78	0	126	35	78	0	126	34	74	0	101	43	60	0	102	24	0	0	0	0	0
1300	64	0	62	0	69	0	75	0	0	0	0	0	46	0	108	315	46	0	165	310	38	0	149	300	22	0	104	286	0	0	0	0	0
1400	100	0	92	0	109	0	107	0	0	0	0	0	9	0	50	315	2	0	57	300	10	0	51	333	352	0	58	313	0	0	0	0	0
1500	105	0	101	0	134	0	120	0	0	0	0	0	20	0	58	334	14	0	74	317	12	0	40	328	357	0	72	285	0	0	0	0	0
1600	108	0	99	0	135	0	124	0	0	0	0	0	18	0	58	330	10	0	83	307	13	0	163	325	352	0	29	320	0	0	0	0	0
1700	92	0	84	0	104	0	104	0	0	0	0	0	27	0	67	350	22	0	85	317	17	0	54	346	359	0	66	325	0	0	0	0	0
1800	86	0	81	0	91	0	90	0	0	0	0	0	36	0	64	358	35	0	81	6	27	0	54	344	9	0	52	314	0	0	0	0	0
1900	94	0	89	0	110	0	109	0	0	0	0	0	41	0	86	25	38	0	81	6	39	0	64	25	20	0	48	2	0	0	0	0	0
2000	77	0	74	0	97	0	104	0	0	0	0	0	50	0	81	25	53	0	87	1	47	0	68	26	30	0	59	6	0	0	0	0	0
2100	69	0	60	0	89	0	99	0	0	0	0	0	88	0	111	74	84	0	107	63	76	0	89	61	60	0	74	46	0	0	0	0	0
2200	62	0	54	0	97	0	94	0	0	0	0	0	96	0	106	89	94	0	117	79	85	0	89	82	70	0	76	66	0	0	0	0	0
2300	84	0	77	0	138	0	140	0	0	0	0	0	102	0	113	91	102	0	124	81	104	0	106	99	90	0	94	86	0	0	0	0	0
2400	72	0	66	0	130	0	112	0	0	0	0	0	119	0	127	111	119	0	130	103	116	0	124	110	102	0	109	98	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	MAIN	S
100	257	0	262	0	295	0	257	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
200	233	0	239	0	230	0	230	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
300	203	0	210	0	206	0	206	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
400	180	0	192	0	195	0	195	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
500	174	0	179	0	185	0	186	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
600	165	0	172	0	185	0	186	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
700	165	0	170	0	186	0	186	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
800	179	0	183	0	172	0	174	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
900	192	0	195	0	186	0	186	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1000	224	0	228	0	217	0	217	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1100	237	0	240	0	230	0	231	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1200	251	0	255	0	242	0	242	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1300	278	0	280	0	266	0	266	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1400	273	0	278	0	267	0	267	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1500	275	0	280	0	271	0	271	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1600	276	0	282	0	276	0	276	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1700	271	0	276	0	271	0	271	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1800	266	0	269	0	264	0	266	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
1900	253	0	260	0	253	0	253	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2000	249	0	255	0	251	0	251	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2100	237	0	242	0	242	0	242	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2200	224	0	230	0	239	0	240	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2300	212	0	217	0	230	0	230	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0
2400	197	0	204	0	217	0	217	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	89	0	82	0	112	0	113	0	0	0	0	0	345	0	18	319	334	0	30	288	347	0	43	307	327	0	22	289	0	0	0	0	
200	98	0	93	0	121	0	123	0	0	0	0	0	319	0	359	277	311	0	0	276	326	0	358	307	305	0	332	288	0	0	0	0	
300	94	0	90	0	124	0	118	0	0	0	0	0	313	0	350	283	305	0	340	266	318	0	341	291	297	0	323	269	0	0	0	0	
400	97	0	92	0	119	0	122	0	0	0	0	0	311	0	354	276	303	0	341	265	319	0	347	300	298	0	328	280	0	0	0	0	
500	119	0	111	0	140	0	145	0	0	0	0	0	295	0	321	252	288	0	317	242	301	0	318	266	281	0	304	247	0	0	0	0	
600	97	0	92	0	102	0	110	0	0	0	0	0	284	0	316	249	276	0	321	231	286	0	323	223	269	0	292	223	0	0	0	0	
700	94	0	88	0	108	0	114	0	0	0	0	0	290	0	329	229	282	0	338	210	293	0	341	242	274	0	354	225	0	0	0	0	
800	100	0	90	0	124	0	127	0	0	0	0	0	302	0	329	279	296	0	318	266	309	0	324	291	288	0	303	273	0	0	0	0	
900	59	0	54	0	70	0	70	0	0	0	0	0	14	0	163	286	10	0	122	271	3	0	93	270	351	0	81	272	0	0	0	0	
1000	68	0	63	0	87	0	89	0	0	0	0	0	92	0	125	62	89	0	131	35	85	0	114	58	70	0	99	47	0	0	0	0	
1100	42	0	43	0	37	0	42	0	0	0	0	0	102	0	152	66	100	0	136	56	95	0	132	38	78	0	128	20	0	0	0	0	
1200	50	0	44	0	48	0	51	0	0	0	0	0	275	0	339	238	269	0	321	210	270	0	324	220	257	0	320	213	0	0	0	0	
1300	79	0	74	0	85	0	90	0	0	0	0	0	271	0	319	225	266	0	320	215	280	0	319	245	264	0	309	210	0	0	0	0	
1400	81	0	78	0	81	0	88	0	0	0	0	0	261	0	285	238	255	0	203	215	265	0	279	294	248	0	267	214	0	0	0	0	
1500	87	0	81	0	109	0	102	0	0	0	0	0	345	0	40	306	337	0	90	277	353	0	22	329	334	0	5	286	0	0	0	0	
1600	84	0	73	0	107	0	105	0	0	0	0	0	5	0	64	300	9	0	166	300	6	0	51	302	347	0	72	273	0	0	0	0	
1700	113	0	106	0	133	0	131	0	0	0	0	0	338	0	0	291	328	0	3	272	346	0	16	310	327	0	359	288	0	0	0	0	
1800	93	0	91	0	101	0	100	0	0	0	0	0	346	0	36	303	335	0	33	280	352	0	22	323	334	0	13	305	0	0	0	0	
1900	78	0	70	0	98	0	98	0	0	0	0	0	23	0	54	351	18	0	85	329	16	0	48	352	358	0	73	331	0	0	0	0	
2000	76	0	66	0	85	0	84	0	0	0	0	0	32	0	49	354	26	0	75	343	29	0	54	3	12	0	33	346	0	0	0	0	
2100	64	0	58	0	79	0	79	0	0	0	0	0	26	0	53	335	22	0	85	311	20	0	47	351	3	0	74	330	0	0	0	0	
2200	76	0	66	0	97	0	100	0	0	0	0	0	25	0	59	344	18	0	64	311	13	0	70	333	353	0	47	321	0	0	0	0	
2300	90	0	84	0	111	0	111	0	0	0	0	0	32	0	55	8	25	0	57	315	26	0	44	353	10	0	63	331	0	0	0	0	
2400	110	0	101	0	133	0	130	0	0	0	0	0	33	0	57	5	27	0	79	339	26	0	45	6	9	0	51	346	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	257	0	262	0	268	0	260	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
200	264	0	269	0	262	0	264	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
300	266	0	271	0	264	0	266	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
400	264	0	269	0	264	0	266	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
500	267	0	273	0	264	0	266	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
600	273	0	278	0	271	0	273	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
700	280	0	284	0	278	0	280	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
800	276	0	282	0	276	0	278	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
900	280	0	284	0	275	0	275	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1000	249	0	253	0	239	0	239	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1100	276	0	280	0	275	0	275	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1200	320	0	327	0	311	0	312	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1300	311	0	316	0	305	0	307	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1400	298	0	303	0	307	0	309	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1500	305	0	311	0	302	0	303	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1600	278	0	284	0	276	0	276	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1700	284	0	289	0	280	0	282	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1800	271	0	276	0	267	0	269	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1900	251	0	257	0	251	0	253	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2000	251	0	257	0	248	0	249	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2100	251	0	257	0	251	0	251	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2200	251	0	257	0	251	0	253	0	320	0	320	0	-3	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2300	253	0	258	0	251	0	253	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2400	260	0	264	0	265	0	257	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODES DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5 S	MIN	MAX S	WIND DIR6
100	212	0	209	0	204	0	291	0	0	0	0	0	327	0	356	297	317	0	356	280	334	0	12	319	313	0	333	286	0	0	0	0	0	
200	231	0	231	0	208	0	208	0	0	0	0	0	318	0	352	297	309	0	342	271	327	0	342	307	306	0	323	286	0	0	0	0	0	
300	215	0	218	0	205	0	207	0	0	0	0	0	320	0	350	301	311	0	349	275	329	0	341	315	307	0	324	294	0	0	0	0	0	
400	229	0	215	0	213	0	219	0	0	0	0	0	308	0	336	291	301	0	334	268	315	0	333	300	295	0	322	283	0	0	0	0	0	
500	228	0	220	0	212	0	216	0	0	0	0	0	309	0	332	291	302	0	336	271	318	0	340	302	296	0	319	283	0	0	0	0	0	
600	186	0	182	0	216	0	216	0	0	0	0	0	314	0	336	292	307	0	345	264	324	0	344	305	304	0	333	286	0	0	0	0	0	
700	179	0	171	0	215	0	218	0	0	0	0	0	312	0	330	292	303	0	326	276	321	0	358	302	300	0	342	281	0	0	0	0	0	
800	187	0	181	0	216	0	227	0	0	0	0	0	310	0	332	276	301	0	335	255	317	0	340	300	297	0	314	276	0	0	0	0	0	
900	199	0	196	0	239	0	243	0	0	0	0	0	310	0	325	289	302	0	327	266	318	0	335	302	298	0	315	275	0	0	0	0	0	
1000	203	0	197	0	248	0	252	0	0	0	0	0	307	0	324	291	299	0	329	270	314	0	332	302	293	0	334	284	0	0	0	0	0	
1100	187	0	190	0	237	0	238	0	0	0	0	0	315	0	349	290	308	0	357	276	325	0	351	307	304	0	335	284	0	0	0	0	0	
1200	184	0	180	0	214	0	218	0	0	0	0	0	313	0	332	294	306	0	333	266	322	0	353	301	301	0	337	269	0	0	0	0	0	
1300	167	0	166	0	209	0	214	0	0	0	0	0	313	0	345	288	306	0	345	274	322	0	343	304	302	0	335	287	0	0	0	0	0	
1400	163	0	162	0	208	0	209	0	0	0	0	0	321	0	343	290	313	0	345	267	329	0	352	313	308	0	326	298	0	0	0	0	0	
1500	166	0	163	0	204	0	205	0	0	0	0	0	311	0	337	289	303	0	334	267	320	0	352	307	299	0	320	283	0	0	0	0	0	
1600	169	0	162	0	215	0	220	0	0	0	0	0	319	0	345	298	311	0	352	272	328	0	343	312	308	0	327	296	0	0	0	0	0	
1700	140	0	134	0	184	0	187	0	0	0	0	0	321	0	351	279	315	0	355	277	330	0	0	310	309	0	337	289	0	0	0	0	0	
1800	148	0	146	0	192	0	193	0	0	0	0	0	323	0	348	297	315	0	6	270	329	0	353	299	309	0	338	285	0	0	0	0	0	
1900	132	0	127	0	169	0	168	0	0	0	0	0	334	0	356	284	322	0	356	270	339	0	359	303	320	0	342	298	0	0	0	0	0	
2000	122	0	118	0	159	0	162	0	0	0	0	0	320	0	358	281	310	0	356	270	328	0	348	313	308	0	345	290	0	0	0	0	0	
2100	124	0	114	0	153	0	153	0	0	0	0	0	329	0	354	292	318	0	356	272	337	0	352	312	316	0	340	291	0	0	0	0	0	
2200	104	0	99	0	132	0	138	0	0	0	0	0	337	0	359	297	330	0	1	300	338	0	14	295	317	0	347	276	0	0	0	0	0	
2300	113	0	108	0	149	0	150	0	0	0	0	0	320	0	354	287	309	0	0	270	331	0	351	314	310	0	332	293	0	0	0	0	0	
2400	98	0	91	0	131	0	122	0	0	0	0	0	322	0	357	297	314	0	2	283	332	0	24	307	312	0	351	292	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	258	0	266	0	251	0	253	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	255	0	260	0	249	0	249	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
300	253	0	258	0	246	0	246	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	249	0	253	0	242	0	242	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	242	0	248	0	235	0	235	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	237	0	240	0	230	0	230	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	235	0	240	0	230	0	231	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	239	0	244	0	235	0	237	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	242	0	248	0	240	0	242	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	242	0	248	0	240	0	240	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	253	0	258	0	251	0	253	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	262	0	269	0	260	0	262	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	260	0	266	0	262	0	264	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	260	0	267	0	258	0	260	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	267	0	273	0	264	0	264	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	260	0	267	0	262	0	264	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	260	0	266	0	258	0	260	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	255	0	260	0	255	0	257	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	251	0	257	0	253	0	255	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	249	0	255	0	249	0	251	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	253	0	258	0	253	0	255	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	257	0	262	0	257	0	257	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	257	0	262	0	255	0	257	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	255	0	260	0	257	0	258	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEYS

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	Wind Dire
100	105	0	103	0	132	0	130	0	0	0	0	0	47	0	77	26	46	0	85	2	43	0	81	18	27	0	61	358	0	0	0	0	
200	108	0	106	0	135	0	128	0	0	0	0	0	41	0	69	15	41	0	87	5	37	0	62	8	19	0	50	349	0	0	0	0	
300	153	0	146	0	191	0	189	0	0	0	0	0	35	0	68	10	30	0	81	340	34	0	80	10	16	0	48	349	0	0	0	0	
400	126	0	119	0	149	0	151	0	0	0	0	0	37	0	69	1	35	0	87	351	35	0	72	1	20	0	54	354	0	0	0	0	
500	141	0	152	0	186	0	191	0	0	0	0	0	58	0	80	36	62	0	85	12	57	0	88	28	42	0	71	20	0	0	0	0	
600	153	0	154	0	191	0	194	0	0	0	0	0	42	0	67	20	40	0	85	6	39	0	67	6	21	0	67	347	0	0	0	0	
700	168	0	165	0	196	0	196	0	0	0	0	0	39	0	68	352	37	0	94	4	35	0	67	5	18	0	54	341	0	0	0	0	
800	155	0	157	0	184	0	196	0	0	0	0	0	46	0	82	21	43	0	87	8	45	0	88	19	27	0	59	5	0	0	0	0	
900	184	0	177	0	217	0	214	0	0	0	0	0	35	0	64	7	30	0	64	323	35	0	75	9	16	0	42	354	0	0	0	0	
1000	149	0	139	0	179	0	177	0	0	0	0	0	36	0	64	1	33	0	82	320	31	0	61	8	15	0	47	347	0	0	0	0	
1100	133	0	126	0	149	0	149	0	0	0	0	0	37	0	66	8	34	0	79	354	33	0	74	3	16	0	60	338	0	0	0	0	
1200	146	0	142	0	167	0	168	0	0	0	0	0	38	0	68	11	36	0	84	356	30	0	61	353	13	0	38	336	0	0	0	0	
1300	104	0	105	0	127	0	131	0	0	0	0	0	48	0	72	22	49	0	86	5	44	0	73	24	27	0	58	3	0	0	0	0	
1400	86	0	78	0	103	0	104	0	0	0	0	0	33	0	131	332	27	0	74	283	32	0	97	353	16	0	56	337	0	0	0	0	
1500	115	0	105	0	145	0	145	0	0	0	0	0	29	0	61	356	25	0	77	343	18	0	54	336	1	0	40	312	0	0	0	0	
1600	141	0	131	0	171	0	169	0	0	0	0	0	26	0	50	1	19	0	63	313	14	0	52	333	356	0	37	319	0	0	0	0	
1700	129	0	122	0	171	0	167	0	0	0	0	0	22	0	50	334	18	0	78	310	10	0	42	320	353	0	33	301	0	0	0	0	
1800	159	0	144	0	206	0	202	0	0	0	0	0	25	0	54	353	21	0	81	314	16	0	51	332	358	0	33	324	0	0	0	0	
1900	163	0	152	0	201	0	198	0	0	0	0	0	21	0	55	327	14	0	50	299	12	0	43	336	354	0	27	309	0	0	0	0	
2000	168	0	157	0	220	0	260	0	0	0	0	0	0	0	51	304	352	0	85	284	359	0	34	318	339	0	48	285	0	0	0	0	
2100	236	0	218	0	332	0	316	0	0	0	0	0	345	0	34	316	333	0	24	279	348	0	58	326	328	0	15	308	0	0	0	0	
2200	262	0	248	0	393	0	340	0	0	0	0	0	341	0	7	309	330	0	358	302	342	0	5	325	322	0	335	302	0	0	0	0	
2300	236	0	230	0	338	0	339	0	0	0	0	0	330	0	353	299	322	0	14	279	338	0	1	301	317	0	335	286	0	0	0	0	
2400	213	0	209	0	307	0	304	0	0	0	0	0	334	0	18	290	323	0	35	272	338	0	349	313	318	0	335	290	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	255	0	260	0	262	0	264	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	257	0	262	0	262	0	264	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
300	267	0	273	0	271	0	273	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	271	0	276	0	275	0	275	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	258	0	266	0	262	0	262	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	258	0	264	0	258	0	260	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	251	0	257	0	255	0	255	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	242	0	248	0	244	0	246	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	244	0	249	0	251	0	251	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	242	0	248	0	242	0	244	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	239	0	244	0	239	0	240	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	237	0	242	0	237	0	237	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	233	0	239	0	233	0	233	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	237	0	242	0	239	0	240	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	237	0	244	0	242	0	242	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	239	0	244	0	240	0	242	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	239	0	244	0	239	0	239	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	239	0	244	0	240	0	242	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	243	0	248	0	246	0	246	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	246	0	251	0	248	0	248	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	251	0	257	0	246	0	248	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	249	0	255	0	242	0	244	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	248	0	253	0	242	0	242	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	1	0	266	0	261	0	253	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INC[illegible], 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION .

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	127	0	120	0	176	0	171	0	0	0	0	0	354	0	48	313	351	0	79	300	357	0	37	314	339	0	35	309	0	0	0	U	U
200	125	0	116	0	171	0	169	0	0	0	0	0	1	0	51	310	355	0	86	283	0	0	28	324	341	0	13	312	0	0	0	U	U
300	107	0	97	0	157	0	157	0	0	0	0	0	12	0	63	327	4	0	80	293	5	0	44	336	348	0	36	314	0	0	0	U	U
400	106	0	99	0	148	0	148	0	0	0	0	0	13	0	76	328	5	0	82	300	6	0	70	324	347	0	14	321	0	0	0	U	U
500	119	0	111	0	180	0	146	0	0	0	0	0	27	0	50	356	21	0	81	313	17	0	50	354	359	0	33	329	0	0	0	U	U
600	107	0	99	0	137	0	133	0	0	0	0	0	25	0	65	356	21	0	85	321	21	0	58	355	4	0	36	342	0	0	0	U	U
700	102	0	95	0	129	0	118	0	0	0	0	0	33	0	61	6	29	0	74	346	26	0	50	351	10	0	38	342	0	0	0	U	U
800	91	0	99	0	99	0	117	0	0	0	0	0	63	0	87	39	65	0	92	30	61	0	79	40	45	0	61	27	0	0	0	U	U
900	94	0	91	0	110	0	113	0	0	0	0	0	84	0	111	64	82	0	120	63	83	0	123	64	69	0	121	47	0	0	0	U	U
1000	108	0	120	0	132	0	142	0	0	0	0	0	66	0	85	43	67	0	91	28	67	0	98	98	52	0	84	32	0	0	0	U	U
1100	105	0	105	0	139	0	129	0	0	0	0	0	77	0	104	58	76	0	98	57	76	0	92	43	61	0	79	31	0	0	0	U	U
1200	122	0	118	0	139	0	141	0	0	0	0	0	88	0	118	51	86	0	120	52	86	0	112	53	72	0	98	43	0	0	0	U	U
1300	118	0	123	0	132	0	145	0	0	0	0	0	75	0	104	48	73	0	104	14	73	0	101	50	58	0	89	38	0	0	0	U	U
1400	105	0	102	0	137	0	131	0	0	0	0	0	88	0	115	40	88	0	125	50	87	0	124	64	73	0	110	47	0	0	0	U	U
1500	102	0	101	0	139	0	130	0	0	0	0	0	81	0	103	62	79	0	120	57	77	0	99	50	62	0	81	33	0	0	0	U	U
1600	115	0	115	0	142	0	153	0	0	0	0	0	82	0	108	60	80	0	104	57	77	0	102	61	63	0	83	47	0	0	0	U	U
1700	110	0	121	0	134	0	155	0	0	0	0	0	63	0	99	39	65	0	98	28	60	0	84	30	46	0	66	15	0	0	0	U	U
1800	111	0	124	0	136	0	156	0	0	0	0	0	62	0	86	41	65	0	85	29	56	0	75	39	40	0	60	13	0	0	0	U	U
1900	140	0	148	0	169	0	195	0	0	0	0	0	67	0	93	45	69	0	91	31	65	0	87	32	49	0	76	27	0	0	0	U	U
2000	117	0	125	0	132	0	155	0	0	0	0	0	68	0	85	44	68	0	91	39	63	0	85	40	47	0	72	18	0	0	0	U	U
2100	99	0	101	0	110	0	120	0	0	0	0	0	50	0	81	21	50	0	85	13	48	0	84	22	33	0	73	8	0	0	0	U	U
2200	82	0	86	0	102	0	119	0	0	0	0	0	55	0	80	21	57	0	85	7	50	0	67	20	34	0	62	5	0	0	0	U	U
2300	110	0	121	0	136	0	151	0	0	0	0	0	58	0	79	37	61	0	97	13	51	0	82	28	34	0	61	11	0	0	0	U	U
2400	106	0	105	0	133	0	137	0	0	0	0	0	47	0	76	21	50	0	84	8	46	0	77	16	29	0	54	1	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN
100	300	0	305	0	296	0	296	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
200	296	0	302	0	293	0	293	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
300	296	0	302	0	291	0	293	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
400	294	0	300	0	291	0	291	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
500	296	0	300	0	289	0	291	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
600	293	0	298	0	287	0	287	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
700	287	0	293	0	284	0	284	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
800	282	0	287	0	278	0	278	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
900	278	0	282	0	273	0	273	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1000	275	0	280	0	269	0	269	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1100	278	0	282	0	271	0	273	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1200	284	0	289	0	280	0	280	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1300	284	0	289	0	282	0	284	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1400	278	0	284	0	284	0	285	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1500	273	0	278	0	275	0	276	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1600	266	0	273	0	269	0	271	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1700	267	0	273	0	269	0	271	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1800	262	0	269	0	267	0	269	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1900	257	0	262	0	262	0	262	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2000	251	0	257	0	258	0	260	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2100	251	0	257	0	260	0	262	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2200	253	0	258	0	264	0	266	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2300	248	0	253	0	257	0	258	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2400	249	0	255	0	257	0	258	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	68	0	60	0	111	0	109	0	0	0	0	0	11	0	69	308	7	0	85	272	7	0	96	308	350	0	32	304	0	0	0	0	U
200	103	0	95	0	142	0	148	0	0	0	0	0	349	0	19	304	338	0	8	301	350	0	15	274	332	0	8	280	0	0	0	0	U
300	156	0	149	0	237	0	231	0	0	0	0	0	347	0	10	322	337	0	20	289	351	0	7	320	333	0	357	309	0	0	0	0	U
400	167	0	162	0	293	0	247	0	0	0	0	0	344	0	7	314	335	0	12	280	348	0	7	326	328	0	352	306	0	0	0	0	U
500	212	0	194	0	279	0	273	0	0	0	0	0	341	0	357	319	332	0	26	299	346	0	355	335	326	0	347	315	0	0	0	0	U
600	195	0	182	0	272	0	265	0	0	0	0	0	344	0	5	327	338	0	22	282	348	0	13	337	328	0	345	312	0	0	0	0	U
700	213	0	201	0	295	0	288	0	0	0	0	0	341	0	359	296	331	0	12	282	344	0	0	319	329	0	344	305	0	0	0	0	U
800	194	0	189	0	283	0	278	0	0	0	0	0	334	0	1	286	327	0	6	280	341	0	358	303	322	0	338	293	0	0	0	0	U
900	204	0	206	0	276	0	280	0	0	0	0	0	334	0	0	306	324	0	356	261	338	0	348	318	319	0	347	293	0	0	0	0	U
1000	190	0	186	0	283	0	285	0	0	0	0	0	325	0	349	292	319	0	8	279	335	0	8	313	314	0	340	292	0	0	0	0	U
1100	208	0	202	0	281	0	278	0	0	0	0	0	320	0	345	297	310	0	355	257	332	0	5	305	310	0	330	278	0	0	0	0	U
1200	209	0	209	0	280	0	280	0	0	0	0	0	322	0	340	303	313	0	355	273	330	0	348	305	310	0	323	289	0	0	0	0	U
1300	198	0	188	0	272	0	271	0	0	0	0	0	321	0	346	296	314	0	0	273	331	0	347	296	310	0	331	281	0	0	0	0	U
1400	171	0	160	0	244	0	248	0	0	0	0	0	319	0	348	288	308	0	354	271	330	0	357	302	309	0	326	290	0	0	0	0	U
1500	169	0	164	0	231	0	236	0	0	0	0	0	319	0	351	287	310	0	358	267	329	0	352	301	309	0	329	281	0	0	0	0	U
1600	179	0	175	0	231	0	232	0	0	0	0	0	323	0	353	300	314	0	345	259	331	0	26	303	310	0	347	292	0	0	0	0	U
1700	170	0	164	0	236	0	229	0	0	0	0	0	319	0	0	292	309	0	345	271	328	0	345	293	308	0	335	281	0	0	0	0	U
1800	156	0	149	0	209	0	206	0	0	0	0	0	320	0	359	287	312	0	350	265	331	0	348	300	311	0	342	292	0	0	0	0	U
1900	176	0	165	0	238	0	234	0	0	0	0	0	337	0	358	313	328	0	355	305	341	0	356	319	321	0	331	300	0	0	0	0	U
2000	169	0	159	0	230	0	206	0	0	0	0	0	344	0	8	326	336	0	22	277	347	0	18	331	327	0	349	308	0	0	0	0	U
2100	150	0	141	0	192	0	188	0	0	0	0	0	347	0	20	322	337	0	28	299	352	0	36	327	331	0	39	311	0	0	0	0	U
2200	138	0	126	0	183	0	178	0	0	0	0	0	343	0	12	296	333	0	32	272	352	0	57	316	334	0	65	308	0	0	0	0	U
2300	89	0	83	0	104	0	153	0	0	0	0	0	6	0	52	296	0	0	81	282	1	0	38	318	342	0	25	298	0	0	0	0	U
2400	126	0	114	0	179	0	173	0	0	0	0	0	9	0	53	296	5	0	69	295	5	0	59	323	347	0	24	305	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2 180A	S	D.T. 3 180B	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	383	0	390	0	379	0	381	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
200	372	0	377	0	366	0	368	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
300	366	0	372	0	361	0	363	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
400	361	0	366	0	357	0	357	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
500	354	0	361	0	350	0	352	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
600	341	0	347	0	336	0	338	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
700	339	0	345	0	332	0	334	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
800	339	0	345	0	334	0	336	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
900	334	0	341	0	329	0	330	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1000	332	0	338	0	329	0	330	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1100	327	0	332	0	323	0	325	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1200	327	0	332	0	323	0	325	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1300	323	0	329	0	320	0	321	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1400	321	0	327	0	318	0	321	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1500	320	0	325	0	314	0	316	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1600	316	0	323	0	312	0	314	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1700	316	0	321	0	312	0	312	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1800	314	0	320	0	312	0	312	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
1900	311	0	318	0	307	0	309	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
2000	320	0	325	0	314	0	316	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
2100	321	0	327	0	316	0	321	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
2200	320	0	325	0	318	0	320	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
2300	316	0	321	0	312	0	314	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U
2400	312	0	312	0	302	0	303	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U

STATUS (S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INV[illegible] 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	113	0	108	0	144	0	145	0	0	0	0	0	87	0	119	54	86	0	130	64	85	0	106	66	71	0	103	50	0	0	0	0	0
200	100	0	92	0	131	0	131	0	0	0	0	0	91	0	107	74	88	0	108	68	88	0	101	76	75	0	84	55	0	0	0	0	0
300	122	0	112	0	164	0	163	0	0	0	0	0	97	0	117	76	97	0	126	73	93	0	117	77	80	0	98	66	0	0	0	0	0
400	135	0	128	0	181	0	184	0	0	0	0	0	102	0	124	78	102	0	131	76	99	0	121	84	86	0	109	69	0	0	0	0	0
500	127	0	120	0	160	0	162	0	0	0	0	0	96	0	126	79	94	0	125	68	96	0	115	81	83	0	102	65	0	0	0	0	0
600	113	0	107	0	139	0	141	0	0	0	0	0	91	0	113	72	90	0	120	64	88	0	106	68	75	0	97	54	0	0	0	0	0
700	117	0	117	0	147	0	153	0	0	0	0	0	81	0	110	61	80	0	114	51	78	0	99	54	64	0	78	47	0	0	0	0	0
800	111	0	110	0	140	0	144	0	0	0	0	0	81	0	106	65	80	0	107	57	82	0	99	68	67	0	87	49	0	0	0	0	0
900	95	0	95	0	138	0	125	0	0	0	0	0	79	0	129	53	77	0	108	58	75	0	93	54	60	0	76	38	0	0	0	0	0
1000	83	0	83	0	99	0	108	0	0	0	0	0	77	0	97	55	76	0	103	64	76	0	93	55	61	0	77	40	0	0	0	0	0
1100	81	0	79	0	92	0	94	0	0	0	0	0	87	0	122	68	85	0	120	59	89	0	110	67	77	0	94	54	0	0	0	0	0
1200	71	0	68	0	84	0	92	0	0	0	0	0	78	0	107	50	78	0	109	57	76	0	104	55	62	0	89	40	0	0	0	0	0
1300	70	0	70	0	79	0	92	0	0	0	0	0	67	0	107	37	68	0	108	10	65	0	95	40	51	0	78	20	0	0	0	0	0
1400	74	0	73	0	88	0	97	0	0	0	0	0	79	0	103	47	78	0	123	59	75	0	97	61	60	0	90	45	0	0	0	0	0
1500	61	0	53	0	70	0	71	0	0	0	0	0	24	0	47	338	21	0	40	344	37	0	61	15	20	0	47	358	0	0	0	0	0
1600	55	0	47	0	61	0	65	0	0	0	0	0	33	0	57	17	33	0	85	358	41	0	73	20	23	0	51	359	0	0	0	0	0
1700	67	0	60	0	80	0	81	0	0	0	0	0	27	0	44	11	25	0	80	344	32	0	51	12	16	0	44	354	0	0	0	0	0
1800	78	0	71	0	93	0	93	0	0	0	0	0	29	0	55	13	28	0	85	358	34	0	50	17	18	0	34	359	0	0	0	0	0
1900	102	0	95	0	139	0	126	0	0	0	0	0	23	0	54	357	19	0	85	348	22	0	41	359	7	0	50	335	0	0	0	0	0
2000	101	0	90	0	129	0	127	0	0	0	0	0	23	0	57	354	20	0	81	341	20	0	43	354	4	0	30	335	0	0	0	0	0
2100	82	0	72	0	109	0	107	0	0	0	0	0	23	0	51	359	18	0	80	346	29	0	41	18	11	0	20	1	0	0	0	0	0
2200	104	0	95	0	135	0	132	0	0	0	0	0	22	0	47	357	16	0	90	344	20	0	43	342	4	0	50	328	0	0	0	0	0
2300	104	0	96	0	127	0	124	0	0	0	0	0	24	0	39	2	18	0	81	350	24	0	41	359	8	0	43	348	0	0	0	0	0
2400	87	0	80	0	114	0	113	0	0	0	0	0	24	0	46	358	19	0	81	316	16	0	34	344	1	0	46	332	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN
100	440	0	446	0	438	0	440	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
200	435	0	440	0	435	0	437	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
300	444	0	449	0	440	0	442	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
400	428	0	435	0	432	0	434	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
500	424	0	429	0	429	0	430	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
600	417	0	422	0	421	0	423	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
700	415	0	420	0	420	0	420	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
800	413	0	419	0	418	0	420	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
900	415	0	422	0	421	0	421	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1000	419	0	426	0	423	0	423	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1100	422	0	428	0	425	0	427	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1200	426	0	431	0	430	0	430	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1300	431	0	437	0	436	0	438	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1400	433	0	438	0	438	0	439	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1500	411	0	417	0	421	0	423	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1600	411	0	417	0	420	0	421	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1700	419	0	424	0	427	0	429	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1800	409	0	410	0	406	0	408	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
1900	393	0	401	0	392	0	393	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
2000	388	0	393	0	386	0	388	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
2100	395	0	401	0	404	0	404	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
2200	390	0	395	0	386	0	388	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
2300	388	0	393	0	384	0	386	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2
2400	386	0	392	0	384	0	386	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	85	0	77	0	132	0	134	0	0	0	0	0	107	121	95		109	130	92		106	113	100		94	103	90		0	0	0		u
200	99	0	89	0	148	0	151	0	0	0	0	0	104	121	87		103	125	75		104	110	99		92	99	85		0	0	0		u
300	97	0	94	0	133	0	140	0	0	0	0	0	79	101	64		76	103	60		77	90	65		63	0	75	50	0	0	0		u
400	83	0	87	0	102	0	122	0	0	0	0	0	69	102	48		70	120	34		66	92	48		51	0	76	33	0	0	0		u
500	103	0	111	0	131	0	152	0	0	0	0	0	70	93	55		71	96	53		68	88	46		53	0	66	34	0	0	0		u
600	123	0	116	0	107	0	165	0	0	0	0	0	94	117	77		93	119	67		89	104	81		75	0	87	64	0	0	0		u
700	128	0	119	0	173	0	172	0	0	0	0	0	101	120	83		102	136	80		97	107	86		83	0	98	71	0	0	0		u
800	124	0	110	0	143	0	143	0	0	0	0	0	109	128	88		108	130	75		103	118	87		91	0	106	73	0	0	0		u
900	124	0	115	0	137	0	138	0	0	0	0	0	107	149	78		107	135	81		103	124	84		89	0	109	65	0	0	0		u
1000	114	0	107	0	133	0	123	0	0	0	0	0	91	122	70		91	123	67		92	115	76		79	0	105	64	0	0	0		u
1100	113	0	120	0	133	0	128	0	0	0	0	0	67	105	38		68	119	26		67	87	38		52	0	71	34	0	0	0		u
1200	151	0	152	0	147	0	175	0	0	0	0	0	83	122	53		80	130	17		81	114	57		66	0	104	38	0	0	0		u
1300	147	0	144	0	175	0	176	0	0	0	0	0	89	117	60		85	132	30		89	128	61		75	0	129	53	0	0	0		u
1400	127	0	125	0	152	0	158	0	0	0	0	0	91	132	54		91	137	72		92	131	60		78	0	123	39	0	0	0		u
1500	131	0	125	0	143	0	147	0	0	0	0	0	111	138	70		112	141	74		108	138	76		95	0	121	61	0	0	0		u
1600	73	2	66	2	98	2	86	2	0	0	0	0	3	173	289		2	170	276		38	173	1		19	2	166	329	0	0	0		u
1700	135	0	128	0	165	0	167	0	0	0	0	0	109	138	83		112	141	75		107	132	84		94	0	120	75	0	0	0		u
1800	81	0	74	0	104	0	105	0	0	0	0	0	94	130	68		92	130	64		93	120	72		79	0	107	48	0	0	0		u
1900	78	0	71	0	107	0	108	0	0	0	0	0	106	128	80		105	133	73		104	131	85		91	0	117	68	0	0	0		u
2000	117	0	107	0	141	0	145	0	0	0	0	0	114	133	97		117	141	80		113	128	93		101	0	119	81	0	0	0		u
2100	152	0	137	0	175	0	177	0	0	0	0	0	113	132	93		115	141	75		107	128	85		95	0	115	75	0	0	0		u
2200	90	0	83	0	129	0	126	0	0	0	0	0	102	130	83		101	130	75		103	121	92		91	0	117	76	0	0	0		u
2300	98	0	90	0	135	0	134	0	0	0	0	0	93	115	78		91	121	69		93	108	79		79	0	90	66	0	0	0		u
2400	99	0	93	0	139	0	139	0	0	0	0	0	82	94	72		80	117	63		89	94	74		70	0	84	59	0	0	0		u

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 120B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MISC 8
100	415	0	420	0	438	0	429	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
200	404	0	410	0	435	0	415	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
300	390	0	395	0	395	0	395	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
400	372	0	377	0	370	0	372	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
500	363	0	368	0	381	0	363	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
600	352	0	359	0	356	0	357	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
700	348	0	354	0	354	0	354	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
800	356	0	363	0	348	0	350	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
900	379	0	386	0	370	0	370	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
1000	410	0	415	0	397	0	399	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
1100	453	0	458	0	438	0	440	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
1200	503	0	509	0	489	0	489	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
1300	537	0	543	0	521	0	521	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
1400	573	0	577	0	555	0	555	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
1500	573	0	577	0	559	0	559	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
1600	572	2	577	2	561	2	561	2	320	0	320	0	-9	2	-12	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
1700	572	0	579	0	561	0	561	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
1800	568	0	573	0	559	0	559	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
1900	557	0	561	0	550	0	552	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
2000	539	0	545	0	534	0	534	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
2100	510	0	516	0	503	0	505	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
2200	456	0	462	0	498	0	458	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
2300	456	0	462	0	490	0	460	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	
2400	[redacted]	0	449	0	447	0	447	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	u	u	

STATUS [illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVAL[illegible] 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND DIR2 MIN	MAX	WIND DIR2 50 B	S	WIND DIR3 MIN	MAX	WIND DIR3 150A	S	WIND DIR4 MIN	MAX	WIND DIR4 150B	S	WIND DIR5 MIN	MAX	WIND DIR5 S	WIND DIR6 MIN	MAX	WIND DIR6 S
100	127	0	121	0	185	0	186	0	0	0	0	0	105	0	124	82	105	0	136	75	104	0	117	95	91	0	106	80	0	0	0	0
200	153	0	145	0	196	0	200	0	0	0	0	0	113	0	129	98	114	0	139	86	112	0	120	94	100	0	110	83	0	0	0	0
300	132	0	128	0	170	0	177	0	0	0	0	0	124	0	144	111	125	0	157	99	128	0	148	113	117	0	134	97	0	0	0	0
400	134	0	122	0	163	0	167	0	0	0	0	0	118	0	136	103	119	0	142	86	117	0	128	98	105	0	117	89	0	0	0	0
500	152	0	144	0	178	0	188	0	0	0	0	0	121	0	133	104	122	0	145	97	123	0	139	103	112	0	128	88	0	0	0	0
600	101	0	91	0	135	0	138	0	0	0	0	0	103	0	123	77	102	0	129	67	102	0	117	80	90	0	107	71	0	0	0	0
700	94	0	85	0	135	0	118	0	0	0	0	0	105	0	134	82	104	0	140	59	102	0	129	84	90	0	116	69	0	0	0	0
800	114	0	106	0	132	0	134	0	0	0	0	0	105	0	131	75	102	0	135	57	103	0	126	74	91	0	115	58	0	0	0	0
900	139	0	133	0	143	0	145	0	0	0	0	0	119	0	138	100	120	0	144	90	117	0	132	98	105	0	122	80	0	0	0	0
1000	137	0	130	0	142	0	146	0	0	0	0	0	119	0	142	93	119	0	144	79	118	0	142	87	105	0	127	79	0	0	0	0
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1200	102	0	97	0	100	0	104	0	0	0	0	0	114	0	154	59	113	0	164	68	104	0	142	40	94	0	134	51	0	0	0	0
1300	77	0	76	0	95	0	98	0	0	0	0	0	102	0	149	61	102	0	166	64	108	0	160	71	93	0	142	51	0	0	0	0
1400	81	0	74	0	87	0	88	0	0	0	0	0	104	0	145	62	105	0	142	30	109	0	152	72	96	0	138	51	0	0	0	0
1500	69	0	64	0	85	0	90	0	0	0	0	0	107	0	153	50	111	0	170	64	113	0	151	83	102	0	144	52	0	0	0	0
1600	67	0	60	0	86	0	65	0	0	0	0	0	26	0	52	320	23	0	79	312	32	0	61	5	16	0	39	342	0	0	0	0
1700	48	0	40	0	80	0	51	0	0	0	0	0	18	0	49	323	13	0	81	311	32	0	65	1	16	0	65	342	0	0	0	0
1800	69	0	69	0	90	0	94	0	0	0	0	0	73	0	99	57	75	0	92	60	80	0	105	48	67	0	87	37	0	0	0	0
1900	89	0	79	0	132	0	121	0	0	0	0	0	89	0	108	71	86	0	128	63	87	0	98	72	73	0	87	64	0	0	0	0
2000	83	0	73	0	135	0	124	0	0	0	0	0	92	0	106	80	90	0	127	68	92	0	103	83	77	0	88	64	0	0	0	0
2100	84	0	74	0	139	0	127	0	0	0	0	0	86	0	98	74	83	0	96	63	89	0	94	83	75	0	81	69	0	0	0	0
2200	90	0	83	0	142	0	140	0	0	0	0	0	93	0	114	79	91	0	129	69	89	0	94	84	76	0	81	72	0	0	0	0
2300	101	0	90	0	160	0	161	0	0	0	0	0	103	0	113	87	102	0	129	81	101	0	107	95	88	0	93	83	0	0	0	0
2400	79	0	72	0	136	0	128	0	0	0	0	0	104	0	119	86	104	0	130	86	105	0	112	99	92	0	97	85	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	383	0	388	0	390	0	392	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	383	0	388	0	386	0	388	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	381	0	386	0	381	0	381	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	370	0	375	0	368	0	370	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	359	0	366	0	357	0	359	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	343	0	350	0	347	0	348	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	336	0	341	0	330	0	330	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	354	0	359	0	345	0	347	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	377	0	383	0	366	0	366	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	482	0	487	0	476	0	476	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	449	0	449	0	433	0	435	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	483	0	487	0	465	0	465	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	516	0	519	0	498	0	498	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	536	0	539	0	538	0	518	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	473	0	476	0	473	0	473	0	320	0	320	0	0	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	510	0	514	0	509	0	509	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	525	0	530	0	521	0	523	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	509	0	514	0	509	0	509	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	489	0	494	0	498	0	498	0	320	0	320	0	10	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	474	0	480	0	487	0	487	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	456	0	462	0	473	0	473	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	439	0	446	0	455	0	455	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	424	0	431	0	438	0	438	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6
100	11	0	81	2	16	2	7	0	0	0	0	0	224	0	254	191	216	0	255	141	315	0	8	286	301	0	353	275	0	0	0	0		
200	14	0	10	0	15	0	17	0	0	0	0	0	59	5	75	37	69	3	85	35	35	5	46	20	19	3	31	3	0	0	0	0		
300	0	4	14	2	17	2	31	2	0	0	0	0	181	3	260	105	163	3	265	90	205	0	266	177	1	0	94	252	0	0	0	0		
400	47	0	42	0	30	0	33	0	0	0	0	0	142	0	148	137	139	0	142	131	119	0	132	110	108	0	121	99	0	0	0	0		
500	60	0	53	0	80	0	70	0	0	0	0	0	183	0	218	158	180	0	231	131	176	0	187	166	162	0	179	152	0	0	0	0		
600	53	0	47	0	98	0	75	0	0	0	0	0	176	0	205	152	176	0	205	131	184	0	187	182	171	0	175	168	0	0	0	0		
700	62	0	42	0	84	0	75	0	0	0	0	0	204	0	221	188	202	0	227	175	213	0	221	204	201	0	209	192	0	0	0	0		
800	28	0	24	0	40	0	45	0	0	0	0	0	251	0	271	222	247	0	265	199	236	0	255	222	222	0	241	206	0	0	0	0		
900	12	0	7	0	11	0	14	0	0	0	0	0	91	0	142	20	93	3	169	62	219	0	268	103	203	3	262	30	0	0	0	0		
1000	23	0	16	0	12	0	19	0	0	0	0	0	296	3	337	232	290	3	355	215	305	0	358	238	286	0	338	234	0	0	0	0		
1100	77	0	69	0	72	0	71	0	0	0	0	0	348	0	18	321	340	0	24	300	2	0	32	337	344	0	16	320	0	0	0	0		
1200	61	0	56	0	66	0	66	0	0	0	0	0	13	0	80	298	9	0	67	276	359	0	91	301	339	0	59	278	0	0	0	0		
1300	114	0	108	0	130	0	127	0	0	0	0	0	22	0	59	352	15	0	79	276	13	0	34	343	359	0	72	312	0	0	0	0		
1400	101	0	94	0	110	0	107	0	0	0	0	0	28	0	60	359	23	0	85	326	23	0	44	357	6	0	32	328	0	0	0	0		
1500	117	0	107	0	118	0	117	0	0	0	0	0	34	0	60	10	32	0	81	0	25	0	44	351	7	0	42	323	0	0	0	0		
1600	83	0	75	0	93	0	81	0	0	0	0	0	24	0	50	357	21	0	85	345	23	0	49	324	6	0	62	332	0	0	0	0		
1700	102	0	95	0	110	0	108	0	0	0	0	0	29	0	49	4	26	0	80	348	25	0	47	355	8	0	60	323	0	0	0	0		
1800	138	0	129	0	157	0	155	0	0	0	0	0	35	0	51	9	34	0	83	357	34	0	76	13	16	0	49	354	0	0	0	0		
1900	81	0	89	0	102	0	117	0	0	0	0	0	60	0	76	45	67	0	96	21	56	0	72	34	41	0	65	11	0	0	0	0		
2000	109	0	96	0	142	0	145	0	0	0	0	0	86	0	100	66	81	0	102	64	78	0	89	66	63	0	76	50	0	0	0	0		
2100	116	0	108	0	175	0	173	0	0	0	0	0	86	0	99	73	85	0	108	64	84	0	90	79	69	0	76	65	0	0	0	0		
2200	129	0	120	0	196	0	196	0	0	0	0	0	102	0	118	86	102	0	124	81	101	0	109	91	88	0	97	82	0	0	0	0		
2300	109	0	99	0	164	0	164	0	0	0	0	0	94	0	113	72	91	0	126	64	93	0	106	75	80	0	99	65	0	0	0	0		
2400	121	0	114	0	177	0	176	0	0	0	0	0	98	0	115	82	97	0	132	64	98	0	110	87	85	0	104	71	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN
100	356	0	361	0	304	0	356	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
200	325	0	329	0	338	0	339	0	320	0	320	0	10	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
300	327	0	332	0	336	0	318	0	320	0	320	0	-12	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
400	321	0	325	0	356	0	357	0	320	0	320	0	36	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
500	330	0	336	0	359	0	361	0	320	0	320	0	27	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
600	320	0	325	0	361	0	363	0	320	0	320	0	41	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
700	316	0	321	0	350	0	352	0	320	0	320	0	32	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
800	338	0	345	0	359	0	359	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
900	368	0	374	0	377	0	379	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1000	390	0	395	0	393	0	397	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1100	390	0	395	0	399	0	401	0	320	0	320	0	-3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1200	419	0	422	0	399	0	401	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1300	402	0	406	0	399	0	401	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1400	379	0	384	0	379	0	381	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1500	381	0	386	0	384	0	386	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1600	402	0	408	0	402	0	404	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1700	374	0	379	0	372	0	379	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1800	368	0	374	0	365	0	366	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1900	372	0	379	0	374	0	374	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2000	375	0	381	0	383	0	384	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2100	379	0	384	0	401	0	402	0	320	0	320	0	19	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2200	386	0	393	0	417	0	419	0	320	0	320	0	27	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2300	395	0	401	0	402	0	408	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2400	390	0	395	0	393	0	395	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		

STA[illegible]ODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = [illegible]ED, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	DIR4	MIN	MAX	DIR5	MIN	MAX	DIR6
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S				50 B	S		150A	S		150B	S		S			S	
100	76	0	57	0	114	0	98	0	0	0	0	0	212	0	252	168	211	0	254	161	210	0	230	184	197	0	220	95	0	0	0	0	0	
200	90	0	76	0	119	0	114	0	0	0	0	0	225	0	265	185	222	0	271	183	221	0	257	179	208	0	235	182	0	0	0	0	0	
300	82	0	67	0	121	0	115	0	0	0	0	0	223	0	259	192	221	0	276	180	221	0	262	199	208	0	231	181	0	0	0	0	0	
400	85	0	76	0	131	0	138	0	0	0	0	0	234	0	254	209	231	0	277	190	236	0	248	211	223	0	245	195	0	0	0	0	0	
500	103	0	99	0	146	0	154	0	0	0	0	0	249	0	274	227	247	0	278	220	256	0	264	241	242	0	251	220	0	0	0	0	0	
600	63	0	58	0	79	0	84	0	0	0	0	0	273	0	310	229	268	0	310	221	297	0	335	264	279	0	318	249	0	0	0	0	0	
700	85	0	78	0	99	0	100	0	0	0	0	0	296	0	326	269	293	0	321	248	314	0	347	282	292	0	328	257	0	0	0	0	0	
800	88	0	82	0	109	0	114	0	0	0	0	0	299	0	317	284	293	0	313	264	310	0	329	294	290	0	308	274	0	0	0	0	0	
900	79	0	73	0	83	0	87	0	0	0	0	0	297	0	308	281	294	0	321	268	308	0	334	286	288	0	312	272	0	0	0	0	0	
1000	60	0	61	0	88	0	90	0	0	0	0	0	303	0	332	276	295	0	321	237	314	0	330	298	293	0	313	278	0	0	0	0	0	
1100	51	0	54	0	76	0	78	0	0	0	0	0	311	0	345	278	306	0	349	260	328	0	351	300	309	0	333	282	0	0	0	0	0	
1200	60	0	55	0	72	0	71	0	0	0	0	0	313	0	340	283	306	0	351	264	332	0	359	301	312	0	355	273	0	0	0	0	0	
1300	65	0	61	0	97	0	100	0	0	0	0	0	326	0	5	279	316	0	356	255	332	0	1	286	313	0	335	283	0	0	0	0	0	
1400	75	0	73	0	104	0	106	0	0	0	0	0	314	0	353	275	307	0	356	248	330	0	349	303	310	0	336	289	0	0	0	0	0	
1500	60	0	56	0	75	0	78	0	0	0	0	0	323	0	22	271	317	0	6	272	336	0	9	309	314	0	0	280	0	0	0	0	0	
1600	97	0	94	0	134	0	136	0	0	0	0	0	316	0	341	286	309	0	345	270	329	0	343	316	308	0	321	296	0	0	0	0	0	
1700	89	0	81	0	108	0	112	0	0	0	0	0	309	0	346	286	302	0	346	254	318	0	331	303	297	0	311	286	0	0	0	0	0	
1800	36	0	31	0	47	0	50	0	0	0	0	0	313	0	24	272	304	0	351	230	329	0	19	285	304	0	342	258	0	0	0	0	0	
1900	19	0	14	0	39	0	31	0	0	0	0	0	324	3	13	273	321	3	13	270	335	0	2	312	315	0	352	286	0	0	0	0	0	
2000	29	0	23	0	36	0	28	0	0	0	0	0	326	0	344	308	317	0	346	300	319	0	341	298	298	0	318	281	0	0	0	0	0	
2100	9	0	81	2	16	0	18	0	0	0	0	0	270	0	358	209	263	0	356	197	315	0	358	255	295	0	353	235	0	0	0	0	0	
2200	11	0	31	2	11	0	15	0	0	0	0	0	262	0	356	199	260	0	356	180	308	0	348	241	292	0	336	249	0	0	0	0	0	
2300	13	0	14	2	27	0	31	0	0	0	0	0	210	0	251	96	226	3	350	180	226	0	234	218	213	0	219	205	0	0	0	0	0	
2400	7	0	23	2	36	2	28	2	0	0	0	0	153	0	198	92	134	0	176	78	25	3	103	274	355	3	74	272	0	0	0	0	0	

	AMB. TEMP1		AMB. TEMP2		AMB. TEMP3		AMB. TEMP4		AMB. TEMP5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		MAAD
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	480	0	483	0	476	0	476	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
200	474	0	480	0	474	0	476	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
300	462	0	467	0	462	0	462	0	320	0	320	0	0	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
400	442	0	447	0	442	0	444	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
500	415	0	420	0	415	0	415	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
600	388	0	393	0	388	0	390	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
700	386	0	392	0	383	0	384	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
800	377	0	383	0	372	0	374	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
900	381	0	388	0	374	0	375	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1000	383	0	390	0	372	0	374	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1100	384	0	390	0	375	0	375	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1200	383	0	390	0	379	0	381	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1300	393	0	401	0	379	0	381	0	320	0	320	0	-21	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1400	393	0	399	0	381	0	383	0	320	0	320	0	-18	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1500	386	0	393	0	377	0	379	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1600	375	0	381	0	365	0	366	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1700	374	0	381	0	386	0	368	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1800	379	0	384	0	372	0	374	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1900	374	0	381	0	374	0	374	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2000	356	0	363	0	347	0	359	0	320	0	320	0	-1	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2100	323	0	330	0	345	0	347	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2200	356	0	363	0	359	0	361	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2300	354	0	359	0	372	0	372	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2400	348	0	356	0	347	0	348	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	80	0	56	0	88	0	53	0	0	0	0	0	203	0	217	189	201	0	218	182	230	0	242	219	218	0	226	205	0	0	0	0				
200	82	0	66	0	61	0	52	0	0	0	0	0	192	0	207	175	191	0	204	167	209	0	224	200	197	0	211	183	0	0	0	0				
300	65	0	47	0	87	0	94	0	0	0		0	217	0	236	189	213	0	231	177	232	0	238	223	218	0	220	209	0	0	0	0				
400	70	0	60	0	108	0	116	0	0	0	0	0	228	0	261	215	224	0	261	209	233	0	235	228	219	0	223	216	0	0	0	0				
500	80	0	74	0	105	0	112	0	0	0	0	0	238	0	257	218	236	0	265	209	241	0	255	230	227	0	243	216	0	0	0	0				
600	93	0	89	0	113	0	122	0	0	0	0	0	241	0	268	214	238	0	274	199	242	0	256	224	228	0	248	213	0	0	0	0				
700	63	0	56	0	89	0	95	0	0	0	0	0	236	0	269	208	232	0	266	193	241	0	258	222	227	0	248	209	0	0	0	0				
800	54	0	45	0	70	0	78	0	0	0	0	0	184	0	206	155	182	0	220	131	227	0	238	217	216	0	224	209	0	0	0	0				
900	46	0	32	0	84	0	70	0	0	0	0	0	201	0	264	158	199	0	265	120	200	0	220	167	189	0	259	155	0	0	0	0				
1000	55	0	42	0	79	0	73	0	0	0	0	0	205	0	262	110	201	0	266	92	194	0	248	132	183	0	258	102	0	0	0	0				
1100	75	0	65	0	127	0	112	0	0	0	0	0	174	0	256	102	173	0	269	120	181	0	219	149	171	0	241	142	0	0	0	0				
1200	57	0	48	0	94	0	84	0	0	0	0	0	196	0	261	104	182	0	248	90	190	0	268	121	178	0	240	112	0	0	0	0				
1300	99	0	96	0	112	0	116	0	0	0	0	0	253	0	290	213	248	0	293	191	249	0	289	203	234	0	264	195	0	0	0	0				
1400	89	0	86	0	99	0	107	0	0	0	0	0	254	0	293	234	250	0	300	214	251	0	284	219	237	0	263	219	0	0	0	0				
1500	39	0	30	0	45	0	49	0	0	0	0	0	284	0	311	242	275	3	315	210	259	0	308	217	244	0	280	208	0	0	0	0				
1600	47	0	41	0	82	0	56	0	0	0	0	0	247	0	281	192	246	0	280	186	244	0	268	225	229	0	254	202	0	0	0	0				
1700	37	0	24	0	46	0	57	0	0	0	0	0	215	0	248	166	215	3	256	175	204	0	221	183	191	0	209	171	0	0	0	0				
1800	69	0	60	0	116	0	109	0	0	0	0	0	161	0	197	133	160	0	220	120	172	0	189	159	162	0	179	142	0	0	0	0				
1900	68	0	62	0	117	0	114	0	0	0	0	0	160	0	185	127	161	0	198	119	172	0	201	150	159	0	179	95	0	0	0	0				
2000	70	0	62	0	115	0	111	0	0	0	0	0	159	0	189	125	162	0	212	119	170	0	187	150	158	0	180	139	0	0	0	0				
2100	57	0	47	0	102	0	89	0	0	0	0	0	170	0	229	116	169	0	215	91	185	0	202	154	173	0	208	150	0	0	0	0				
2200	69	0	55	0	117	0	102	0	0	0	0	0	169	0	216	125	168	0	225	119	184	0	200	156	173	0	258	154	0	0	0	0				
2300	67	0	55	0	122	0	100	0	0	0	0	0	185	0	246	141	185	0	249	124	193	0	240	160	181	0	243	165	0	0	0	0				
2400	85	0	63	0	119	0	117	0	0	0	0	0	208	0	242	158	207	0	250	141	207	0	226	178	196	0	264	175	0	0	0	0				

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 100A	S	AMB. TEM4 100B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 100A	S	D.T. 2 100B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	296	0	302	0	343	0	345	0	320	0	320	0	46	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
200	296	0	302	0	306	0	368	0	320	0	320	0	68	0	64	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
300	311	0	316	0	368	0	370	0	320	0	320	0	55	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
400	325	0	330	0	392	0	352	0	320	0	320	0	25	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
500	325	0	330	0	330	0	330	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
600	320	0	325	0	331	0	323	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
700	320	0	325	0	335	0	327	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
800	285	0	291	0	333	0	325	0	320	0	320	0	39	0	30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
900	329	0	334	0	333	0	325	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
1000	381	0	386	0	389	0	361	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
1100	402	0	408	0	374	0	374	0	320	0	320	0	-32	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
1200	428	0	433	0	404	0	406	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
1300	420	0	428	0	431	0	413	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
1400	424	0	429	0	426	0	426	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
1500	437	0	442	0	433	0	435	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
1600	467	0	473	0	502	0	464	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
1700	456	0	460	0	469	0	469	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
1800	462	0	467	0	465	0	465	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
1900	465	0	471	0	465	0	465	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
2000	464	0	469	0	464	0	464	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
2100	465	0	471	0	465	0	465	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
2200	465	0	471	0	467	0	467	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
2300	465	0	471	0	465	0	465	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				
2400	476	0	479	0	473	0	473	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0				

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	71	0	63	0	98	0	96	0	0	0	0	0	9	0	44	327	359	0	68	310	6	0	29	333	348	0	16	316	0	0	0	0
200	80	0	72	0	110	0	108	0	0	0	0	0	22	0	48	336	19	0	85	317	13	0	40	337	355	0	17	324	0	0	0	0
300	81	0	74	0	97	0	95	0	0	0	0	0	28	0	52	337	24	0	78	343	15	0	39	353	0	0	23	335	0	0	0	0
400	74	0	67	0	99	0	98	0	0	0	0	0	20	0	63	343	15	0	85	335	12	0	36	342	355	0	28	331	0	0	0	0
500	62	0	55	0	79	0	78	0	0	0	0	0	27	0	50	357	20	0	57	321	15	0	46	347	358	0	23	335	0	0	0	0
600	64	0	56	0	86	0	86	0	0	0	0	0	14	0	46	334	9	0	68	315	10	0	46	345	351	0	32	323	0	0	0	0
700	72	0	64	0	102	0	99	0	0	0	0	0	10	0	38	331	5	0	81	311	6	0	32	341	348	0	13	314	0	0	0	0
800	59	0	52	0	80	0	79	0	0	0	0	0	44	0	112	12	42	0	123	0	19	0	57	330	3	0	31	320	0	0	0	0
900	44	0	41	0	57	0	61	0	0	0	0	0	63	0	164	2	50	0	141	283	30	0	98	321	13	0	88	281	0	0	0	0
1000	74	0	66	0	96	0	95	0	0	0	0	0	7	0	80	315	1	0	79	280	9	0	77	320	352	0	48	279	0	0	0	0
1100	75	0	69	0	82	0	82	0	0	0	0	0	2	0	59	299	358	0	85	298	4	0	65	293	350	0	57	299	0	0	0	0
1200	74	0	69	0	84	0	83	0	0	0	0	0	349	0	31	299	341	0	35	282	354	0	21	325	335	0	355	306	0	0	0	0
1300	63	0	64	0	72	0	74	0	0	0	0	0	328	0	59	270	315	0	357	197	338	0	17	308	319	0	2	278	0	0	0	0
1400	55	0	50	0	64	0	68	0	0	0	0	0	310	0	359	247	303	0	359	243	325	0	1	280	306	0	358	266	0	0	0	0
1500	60		57	0	76	0	79	0	0	0	0	0	310	0	356	256	299	0	354	242	320	0	351	261	302	0	336	249	0	0	0	0
1600	78	0	71	0	97	0	90	0	0	0	0	0	309	0	338	278	298	0	327	242	322	0	346	302	301	0	332	274	0	0	0	0
1700	64	0	62	0	81	0	83	0	0	0	0	0	316	0	351	246	309	0	355	238	329	0	354	298	309	0	351	275	0	0	0	0
1800	72	0	69	0	81	0	83	0	0	0	0	0	311	0	341	273	304	0	345	259	318	0	333	297	299	0	324	286	0	0	0	0
1900	47	0	40	0	56	0	58	0	0	0	0	0	330	0	1	290	320	0	351	277	335	0	352	310	316	0	339	292	0	0	0	0
2000	36	0	29	0	39	0	36	0	0	0	0	0	351	0	19	327	343	3	13	310	346	0	359	330	328	0	344	311	0	0	0	0
2100	19	0	12	0	12	0	15	0	0	0	0	0	340	5	5	313	331	3	0	304	339	0	354	312	316	0	342	297	0	0	0	0
2200	33	0	34	0	41	0	25	0	0	0	0	0	151	0	160	140	153	0	176	132	145	0	154	138	133	0	142	127	0	0	0	0
2300	54	0	45	0	45	0	37	0	0	0	0	0	187	0	213	166	187	0	214	163	184	0	194	166	172	0	217	155	0	0	0	0
2400	56	0	51	0	74	0	57	0	0	0	0	0	180	0	200	161	180	0	214	159	185	0	195	179	172	0	191	166	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN
100	312	0	320	0	309	0	311	0	320	0	320	0	-1	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	N/A
200	314	0	320	0	311	0	312	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	N/A
300	307	0	314	0	305	0	307	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	N/A
400	303	0	311	0	303	0	303	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	N/A
500	298	0	303	0	296	0	296	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	N/A
600	296	0	303	0	296	0	296	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	N/A
700	298	0	303	0	300	0	300	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	N/A
800	316	0	321	0	312	0	314	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	N/A
900	323	0	329	0	325	0	325	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	N/A
1000	339	0	345	0	338	0	338	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	N/A
1100	350	0	354	0	347	0	347	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	N/A
1200	348	0	354	0	352	0	352	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	N/A
1300	366	0	372	0	369	0	356	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	N/A
1400	374	0	381	0	382	0	354	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	N/A
1500	374	0	381	0	382	0	354	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	N/A
1600	372	0	379	0	377	0	348	0	320	0	320	0	-27	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	N/A
1700	363	0	370	0	371	0	343	0	320	0	320	0	-21	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	N/A
1800	345	0	352	0	349	0	336	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	N/A
1900	321	0	325	0	321	0	320	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	N/A
2000	307	0	312	0	307	0	309	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	N/A
2100	296	0	302	0	296	0	298	0	320	0	320	0	-3	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	N/A
2200	300	0	307	0	309	0	311	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	N/A
2300	296	0	303	0	306	0	318	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	N/A
2400	289	0	294	0	291	0	323	0	320	0	320	0	30	0	27	0	0	0	0	0	320	2	0	0	0	0	0	N/A

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

Alternate Solidification Parameters

If a test sample fails to provide acceptable solidification of the waste the following procedures should be followed:

1. Mix equal volumes of dry cement and water to ensure that the problem is not a bad batch of cement.

2. Add additional caustic solution to the sample to raise the pH above 8, if required.

3. If the waste is only partially solidified, use lower waste to cement ratios.

   Prepare test as follows allowing at least one hour for each test to solidify. If each test doesn't solidify, go to the next set of parameters.

	TEST			=	LINER		
	MLS Waste	GM Cement	GM Sodium Meta Silicate (Anhydrous)	Gallons Waste	Bags Cement	Bags Sodium Meta Silicate (Anhydrous)
1.	400	523	75.4	712	83	11
2.	375	567	82.3	668	88	12
3.	350	592	89.1	623	94	13
4.	325	624	96.0	579	99	14

Packages of cement solidified liquid wastes will be held for a minimum of twenty four (24) hours after solidifications, and verification of compliance will be just prior to loading for shipment and will be documented on Attachment II. Insure the cement is solidified before closure of the container. TP-1

Solidification of liquids other than evaporator bottoms may become necessary and will be done such that compliance with all the appropriate regulations is verified prior to shipment.

Miscellaneous-Including Absolute, and Hepa Filters

All miscellaneous noncompressible waste must be placed in a metal box as soon as possible after determination the item is to be disposed of. No liquid or damp items of any kind are to be placed in metal boxes. No metal box is to be sealed until it has been visually inspected by Environmental Section personnel, has been numbered and a description of the contents, including approximate item size and amount, is completed on the Low Level Waste Box Inventory, Attachment XXI.

NOTE: Any box which is greater than 640 cubic feet must be placarded on both sides and both ends.

Scintillation Vials

NOTE: Insure the following procedure is followed for packaging and shipping scintillation fluids.

1. Obtain a fifty-five (55) gallon waste drum (DOT 17H), place in the hot lab and label "For scintillation vials Only - DO NOT Ship to Barnwell". Line the drum with a minimum four (4) mil plastic liner.

2. The final product to absorbent material ratio must not exceed one-to-two.

*3. Place approximately 3" of absorbent at the bottom of the drum.

4. Place 6" of vials (not to be opened) in the container.

5. Place 6" of absorbent in the container.

6. Place 6" of vials in the container.

7. Fill the remainder of the container with absorbent material and seal plastic liner. TP-1

8. Close container and take to the 587' Drumming Room.

9. Replace with new barrel and follow above steps for filling.

*Approved absorbents

1. Diatomaceous Earth (Medium Grade)
2. Super Fine (Diatomite)
3. Speedi Dry
4. Hi - Dry
5. Calatom (M-P78)
6. Floor Dry 85 Superfine
7. Instant - Dri
8. Safe - T - Sorb (Pentrasorb)

INDIANA & MICHIGAN
ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

Instruction or Procedure Temporary Sheet

This temporary sheet applies to Radioactive Waste Process Control Manual Instruction or Procedure No. 12 PMP 3150 PCP.001 Revision No. 2	TEMPORARY SHEET NO. 2

The following change (X) new requirement ( ) shall be instituted effective (Date) May 26,1983.

Replace the following pages as indicated:

List of Effective Pages, Page 1 of 4, Revision 2, TP-1, with Revision 2, TP-2.

List of Effective Pages, Page 4 of 4, Revision 2 with Revision 2, TP-2.

Attachment XX, page 1 of 1, Revision 2 with Attachment XX, page 1 of 1, Revision 2, TP-2.

Add page 3 of 27, Revision 2, TP-2.

Increase all page numbers by 1 starting with page 3 of 26.

Reason for Change

NRC recommendations.
IE Information Notice No. 83-10:
Clarification of Several Aspects Relating to Use of NRC-Certified Transport Packages

REFERENCE COPY ONLY
NO REVISIONS TO BE ISSUED

This change should be made a permanent revision to the Instruction or Procedure:

☒ YES ☐ NO ☐ NOT KNOWN, additional review required

Expiration Date: Procedure Revision
Originator: S. L. Dannhardt
Management Staff: W. T. Scott, II
Senior Reactor Operator: James Colledge
PNSRC A. Vanblieb Date 5/31/83
Plant Manager E L Townley Date 5/31/83

Standard Dist. List No.:
Distribution:

Form No. 4330 REVISED 7/78

WHITE — ORIGINAL
CANARY — ORIGINATOR COPY
PINK — WORKING COPY

FORM NO. PMI 2010-4 REV. 2

3.5 No Type B radioactive material shipments shall be made without an approved procedure for Type B shipments.

3.6 The use of temporary shielding (such as metal shoring or lead sheets) banded or attached to the package so as to conform to applicable regulatory limits for external radiation is not authorized unless it is specifically provided for in the Certifcate of Compliance issued by the NRC.

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2 50 B	S	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	
100	97	0	88	0	134	0	126	0	0	0	0	0	116	0	132	94	116	0	136	81	116	0	135	100	104	0	119	91	0	0	0	0	0		
200	92	0	83	0	116	0	121	0	0	0	0	0	119	0	135	101	119	0	140	80	120	0	133	104	108	0	123	92	0	0	0	0	0		
300	99	0	96	0	130	0	139	0	0	0	0	0	126	0	142	113	125	0	145	108	131	0	143	119	119	0	133	105	0	0	0	0	0		
400	105	0	102	0	140	0	144	0	0	0	0	0	130	0	145	118	130	0	153	113	135	0	148	121	123	0	139	105	0	0	0	0	0		
500	109	0	108	0	138	0	144	0	0	0	0	0	131	0	145	118	132	0	166	119	137	0	151	119	125	0	139	107	0	0	0	0	0		
600	108	0	105	0	132	0	136	0	0	0	0	0	131	0	145	99	132	0	158	114	140	0	151	122	128	0	142	113	0	0	0	0	0		
700	123	0	127	0	160	0	166	0	0	0	0	0	130	0	144	114	132	0	153	106	141	0	155	128	129	0	143	111	0	0	0	0	0		
800	132	2	122	2	168	2	163	2	0	0	0	0	29	2	49	2	22	2	74	356	23	2	50	0	8	2	64	341	0	0	0	0	0		
900	101	0	104	0	140	0	145	0	0	0	0	0	129	0	151	114	131	0	179	99	141	0	155	126	129	0	149	115	0	0	0	0	0		
1000	129	0	134	0	127	0	183	0	0	0	0	0	133	0	156	113	136	0	168	108	141	0	156	120	129	0	143	113	0	0	0	0	0		
1100	114	0	112	0	154	0	157	0	0	0	0	0	138	0	176	119	138	0	190	96	144	0	161	113	134	0	153	116	0	0	0	0	0		
1200	91	0	87	0	123	0	128	0	0	0	0	0	144	0	195	101	145	0	225	101	148	0	190	117	136	0	174	96	0	0	0	0	0		
1300	85	0	78	0	120	0	119	0	0	0	0	0	154	0	266	111	154	0	239	97	157	0	200	122	146	0	204	121	0	0	0	0	0		
1400	79	0	76	0	106	0	109	0	0	0	0	0	143	0	205	102	144	0	210	114	147	0	187	119	136	0	175	109	0	0	0	0	0		
1500	74	0	70	0	93	0	95	0	0	0	0	0	142	0	195	91	144	0	207	90	149	0	188	110	140	0	179	96	0	0	0	0	0		
1600	56	0	50	0	85	0	68	0	0	0	0	0	116	0	153	62	121	0	175	63	124	0	215	92	110	0	159	27	0	0	0	0	0		
1700	29	0	22	0	32	0	25	0	0	0	0	0	23	3	179	270	23	3	165	300	58	3	167	0	36	3	173	312	0	0	0	0	0		
1800	39	0	36	0	61	0	52	0	0	0	0	0	128	0	196	90	124	0	175	50	143	0	194	92	130	0	175	63	0	0	0	0	0		
1900	78	0	77	0	107	0	112	0	0	0	0	0	132	0	156	113	133	0	180	113	138	0	165	121	128	0	150	112	0	0	0	0	0		
2000	61	0	55	0	93	0	95	0	0	0	0	0	131	0	142	116	130	0	141	119	136	0	144	127	125	0	135	114	0	0	0	0	0		
2100	68	0	63	0	111	0	111	0	0	0	0	0	125	0	134	119	126	0	137	114	135	0	139	124	125	0	129	122	0	0	0	0	0		
2200	70	0	69	0	121	0	127	0	0	0	0	0	133	0	145	119	133	0	172	113	143	0	148	133	132	0	141	124	0	0	0	0	0		
2300	75	0	74	0	135	0	119	0	0	0	0	0	132	0	148	116	131	0	161	92	143	0	158	128	133	0	146	121	0	0	0	0	0		
2400	75	0	71	0	104	0	109	0	0	0	0	0	133	0	153	114	133	0	170	109	142	0	157	129	131	0	146	111	0	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN
100	285	0	293	0	282	0	285	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
200	285	0	293	0	284	0	285	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
300	291	0	296	0	291	0	291	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
400	291	0	296	0	291	0	293	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
500	289	0	296	0	289	0	291	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
600	289	0	296	0	289	0	291	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
700	287	0	293	0	289	0	289	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
800	291	2	298	2	294	2	285	2	320	0	320	0	-7	2	-10	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
900	303	0	311	0	304	0	296	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1000	321	0	327	0	319	0	311	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1100	347	0	354	0	337	0	329	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1200	381	0	396	0	359	0	361	0	320	0	320	0	-28	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1300	406	0	411	0	401	0	383	0	320	0	320	0	-28	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1400	403	0	413	0	408	0	390	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1500	428	0	433	0	406	0	408	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1600	437	0	440	0	429	0	420	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1700	428	0	433	0	417	0	419	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1800	422	0	429	0	415	0	417	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1900	411	0	417	0	406	0	408	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
2000	390	0	395	0	393	0	395	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
2100	375	0	383	0	390	0	392	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
2200	372	0	377	0	381	0	381	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
2300	366	0	372	0	365	0	366	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
2400	359	0	366	0	357	0	359	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	S	WIND DIR6
100	76	0	75	0	117	0	119	0	0	0	0	0	139	0	155	125	140	0	184	119	150	0	167	135	140	0	152	128	0	0	0	0	0	0
200	65	0	60	0	99	0	105	0	0	0	0	0	131	0	151	118	134	0	166	117	147	0	164	136	137	0	152	125	0	0	0	0	0	0
300	80	0	74	0	109	0	113	0	0	0	0	0	127	0	134	115	128	0	145	115	139	0	148	128	129	0	139	118	0	0	0	0	0	0
400	91	0	85	0	121	0	126	0	0	0	0	0	125	0	135	116	126	0	140	113	133	0	141	125	123	0	131	117	0	0	0	0	0	0
500	92	0	87	0	129	0	128	0	0	0	0	0	127	0	136	120	129	0	142	113	136	0	142	130	126	0	133	118	0	0	0	0	0	0
600	91	0	86	0	125	0	130	0	0	0	0	0	125	0	135	116	126	0	136	112	133	0	142	128	123	0	129	118	0	0	0	0	0	0
700	83	0	85	0	130	0	131	0	0	0	0	0	126	0	138	118	128	0	146	108	136	0	143	130	126	0	133	119	0	0	0	0	0	0
800	97	0	95	0	133	0	125	0	0	0	0	0	132	0	151	114	132	0	156	112	138	0	152	123	129	0	145	113	0	0	0	0	0	0
900	106	0	108	0	133	0	135	0	0	0	0	0	139	0	153	111	137	0	165	113	138	0	154	110	128	0	145	106	0	0	0	0	0	0
1000	92	0	87	0	124	0	116	0	0	0	0	0	141	0	181	116	141	0	192	114	151	0	173	125	139	0	160	110	0	0	0	0	0	0
1100	77	0	74	0	100	0	101	0	0	0	0	0	139	0	174	99	142	0	210	100	147	0	175	111	138	0	163	107	0	0	0	0	0	0
1200	73	0	70	0	90	0	89	0	0	0	0	0	145	0	249	110	145	0	238	91	149	0	187	103	138	0	181	92	0	0	0	0	0	0
1300	65	0	62	0	87	0	87	0	0	0	0	0	157	0	239	104	155	0	231	91	160	0	221	128	149	0	213	94	0	0	0	0	0	0
1400	36	0	30	0	66	0	55	0	0	0	0	0	166	0	263	90	167	3	266	90	160	0	256	109	149	0	229	99	0	0	0	0	0	0
1500	29	0	25	0	38	0	19	0	0	0	0	0	341	3	152	282	333	3	120	272	3	3	116	272	353	3	153	284	0	0	0	0	0	0
1600	54	0	52	0	74	0	75	0	0	0	0	0	142	0	226	92	142	0	225	91	155	0	204	114	142	0	175	108	0	0	0	0	0	0
1700	43	0	37	0	59	0	58	0	0	0	0	0	160	0	263	98	157	0	237	118	155	0	202	121	145	0	201	111	0	0	0	0	0	0
1800	25	0	21	0	45	0	46	0	0	0	0	0	181	0	260	94	175	3	259	90	161	0	213	125	150	0	238	119	0	0	0	0	0	0
1900	31	0	25	0	38	0	36	0	0	0	0	0	193	0	267	107	195	3	266	119	203	0	266	139	169	0	248	116	0	0	0	0	0	0
2000	23	0	18	0	38	0	26	0	0	0	0	0	271	0	355	216	266	3	349	191	209	0	269	135	192	0	240	149	0	0	0	0	0	0
2100	17	0	10	0	35	0	24	0	0	0	0	0	195	0	242	110	192	0	253	119	181	0	220	155	167	0	203	141	0	0	0	0	0	0
2200	31	0	26	0	68	0	71	0	0	0	0	0	155	0	177	123	154	3	180	131	167	0	176	158	155	0	163	149	0	0	0	0	0	0
2300	48	0	42	0	78	0	81	0	0	0	0	0	129	0	143	116	130	0	141	119	142	0	152	134	131	0	141	124	0	0	0	0	0	0
2400	78	0	70	0	104	0	110	0	0	0	0	0	113	0	129	90	113	0	131	90	116	0	128	104	105	0	117	89	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	MAX
100	352	0	359	0	360	0	352	0	320	0	320	0	-3	-5	0	0	320	2	0	0	0	0	0	0	0
200	339	0	345	0	341	0	341	0	320	0	320	0	0	-3	0	0	320	2	0	0	0	0	0	0	0
300	325	0	330	0	335	0	327	0	320	0	320	0	0	-3	0	0	320	2	0	0	0	0	0	0	0
400	307	0	312	0	309	0	311	0	320	0	320	0	1	-1	0	0	320	2	0	0	0	0	0	0	0
500	293	0	298	0	298	0	298	0	320	0	320	0	1	-1	0	0	320	2	0	0	0	0	0	0	0
600	285	0	291	0	293	0	293	0	320	0	320	0	3	1	0	0	320	2	0	0	0	0	0	0	0
700	284	0	289	0	293	0	294	0	320	0	320	0	3	0	0	0	320	2	0	0	0	0	0	0	0
800	309	0	314	0	302	0	303	0	320	0	320	0	-10	-14	0	0	320	2	0	0	0	0	0	0	0
900	347	0	352	0	338	0	339	0	320	0	320	0	-16	-19	0	0	320	2	0	0	0	0	0	0	0
1000	397	0	402	0	379	0	381	0	320	0	320	0	-23	-27	0	0	320	2	0	0	0	0	0	0	0
1100	435	0	440	0	411	0	413	0	320	0	320	0	-27	-28	0	0	320	2	0	0	0	0	0	0	0
1200	458	0	464	0	439	0	441	0	320	0	320	0	-30	-32	0	0	320	2	0	0	0	0	0	0	0
1300	469	0	473	0	438	0	440	0	320	0	320	0	-30	-32	0	0	320	2	0	0	0	0	0	0	0
1400	474	0	480	0	447	0	449	0	320	0	320	0	-27	-28	0	0	320	2	0	0	0	0	0	0	0
1500	446	0	451	0	435	0	437	0	320	0	320	0	-12	-16	0	0	320	2	0	0	0	0	0	0	0
1600	467	0	473	0	451	0	453	0	320	0	320	0	-14	-18	0	0	320	2	0	0	0	0	0	0	0
1700	465	0	471	0	453	0	455	0	320	0	320	0	-12	-16	0	0	320	2	0	0	0	0	0	0	0
1800	449	0	455	0	453	0	453	0	320	0	320	0	3	0	0	0	320	2	0	0	0	0	0	0	0
1900	433	0	440	0	437	0	438	0	320	0	320	0	3	0	0	0	320	2	0	0	0	0	0	0	0
2000	413	0	419	0	430	0	429	0	320	0	320	0	14	10	0	0	320	2	0	0	0	0	0	0	0
2100	406	0	413	0	424	0	426	0	320	0	320	0	16	10	0	0	320	2	0	0	0	0	0	0	0
2200	408	0	415	0	428	0	429	0	320	0	320	0	19	14	0	0	320	2	0	0	0	0	0	0	0
2300	411	0	419	0	432	0	422	0	320	0	320	0	7	1	0	0	320	2	0	0	0	0	0	0	0
2400	[illegible]	0	422	0	419	0	420	0	320	0	320	0	1	-1	0	0	320	2	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, S =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

FILTER CHANGE SIGN-OFF SHEET

NOTE: The time period between Step 1 and Step 3 must be greater than or equal to 15 minutes.

OPERATIONS — DATE / TIME / BY

STEP 1: Filter-Vented and Drained (Clearance hung). Place this form on RWP Paper at job site. _____/_____/_____

MAINTENANCE

STEP 2: Place approximately one liter of absorbent material into the bags that will be used to transport the filter after removal. (absorbent material available in 587' Drumming Room) |TP-2

STEP 3: Remove Filter, Transport to 587' Drumming Room and place in Drum (time filter removed from housing).
_____/_____/_____

NOTE: Filter must not have a continuous flow of water coming from it. It should only be dripping.

CAUTION: Use extreme care, when placing the filter into the receiving barrel to avoid spreading contamination.

STEP 3 time minus STEP 1 time =

Total Drain Time_____Minutes _____/_____/_____

Maintenance personnel should give form to RP personnel covering the job.

RADIATION PROTECTION

Filter_____ Drum Location_____

Filter type_____ Contact Rad. Reading_____

Drum Number_____ 3' Radiation Reading_____

_____/_____/_____

NOTE: If the contamination results are > 2200 dpm/100 cm^2, the barrel must be deconned until the levels are < 2200 dpm/100 cm^2 and recorded.

_____/_____/_____

After completing of this sheet, RP should forward to the Environmental Section.

INDIANA & MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

Instruction or Procedure Temporary Sheet

This temporary sheet applies to Radioactive Waste Process Control Manual Instruction or Procedure No. 12 PMP 3150 PCP.001 Revision No. 2	TEMPORARY SHEET NO. TP-3 Sheet 1 of 1

The following change (X) new requirement ( ) shall be instituted effective (Date) June 29, 1983.

Replace the following pages as indicated:

List of Effective Pages, Page 1 of 4 Rev. 2, TP-1, with Rev. 2, TP-3.
Replace page 14 of 27 Rev. 2, with Rev. 2, TP-3

Replace page 13 of 27 Rev. 2, with Rev. 2, TP-3.

REASON FOR CHANGE: To add a procedure for packaging sludge lance filters as committed to the state of South Carolina.

REFERENCE COPY ONLY
NO REVISIONS TO BE ISSUED

This change should be made a permanent revision to the Instruction or Procedure:

☒YES ☐NO ☐NOT KNOWN, additional review required

Expiration Date: Procedure Revision
Originator: [signature]
Management Staff: W. J. Smith, III
Senior Reactor Operator: [signature]
PNSRC [signature] Date 7/5/83
Plant Manager W. G. Smith Date 7/5/83

Standard Dist. List No.: _____
Distribution: _____

Form No. 4330 REVISED 7/78

WHITE — ORIGINAL
CANARY — ORIGINATOR COPY
PINK — WORKING COPY

FORM NO. PMI 2010-4 REV. 2

Alternate Solidification Parameters

If a test sample fails to provide acceptable solidification of the waste the following procedures should be followed:

1. Mix equal volumes of dry cement and water to ensure that the problem is not a bad batch of cement.

2. Add additional caustic solution to the sample to raise the pH above 8, if required.

3. If the waste is only partially solidified, use lower waste to cement ratios.

Prepare test as follows allowing at least one hour for each test to solidify. If each test doesn't solidify, go to the next set of parameters.

	TEST			=	LINER	
	MLS Waste	GM Cement	GM Sodium Meta Silicate (Anhydrous)	Gallons Waste	Bags Cement	Bags Sodium Meta Silicate (Anhydrous)
1.	400	523	75.4	712	83	11
2.	375	567	82.3	668	88	12
3.	350	592	89.1	623	94	13
4.	325	624	96.0	579	99	14

Packages of cement solidified liquid wastes will be held for a minimum of twenty four (24) hours after solidifications, and verification of compliance will be just prior to loading for shipment and will be documented on Attachment II. Insure the cement is solidified before closure of the container. TP-1

Solidification of liquids other than evaporator bottoms may become necessary and will be done such that compliance with all the appropriate regulations is verified prior to shipment.

B. Compressibles Wastes

All contaminated or potentially contaminated compressible waste will be taken to a designated area near the hydraulic baler. The waste will then be compressed into drums. TP-3

Material which would be in noncompliance with the appropriate regulations will not be placed into a package for baling.

All drums which have been filled will be documented as to the number of the package, description of the contents, date and initials of person filling package and radioactive survey data. Each package will be sealed and stored until loaded for shipment and burial.

Prior to loading, the package must be checked by Environmental Section personnel for any indication of holes, failures or weak spots at the seams, welds or otherwise.

All of the above operations are performed within the limits of the following procedure: 12 THP 6010 RAD.303, Solid Waste Handling and Drumming

Sludge Lance Filters

All sludge lance filters shall be accumulated after each refueling outage and checked for radioactivity/contamination. If these filters are non-radioactive/non-contaminated, they may be disposed of as "Regular Trash." However, if these filters are radioactive/contaminated, they are to be transported to the 587' Drumming Room where they are to be processed as follows: TP-3

1. A quantity of filters, approximately one-half of a 55 gallon barrel, are to be placed into a strainer barrel (barrel with bottom holes for drainage) for compaction.

2. Compact these filters and let the water drain off until flow has stopped to a drip.

3. Remove these filters and then lay them on the floor to air dry.

4. Continue steps 1, 2 and 3 until all filters have been compressed.

5. After the filters have had sufficient time to air dry, as determined by visual/physical inspection, obtain a shipping barrel. Place approximately three liters of absorbent material (currently available in the Drumming Room) into the shipping barrel.

   NOTE: No dripping or wet filters are to be placed into the shipping barrel. The absorbent material is ONLY used to absorb condensation and unintentional amounts of liquids.

6. Line the barrel with a poly bag.

7. Compact the dried filters into this barrel until it is full. Seal the top of the liner. Secure the lid and lock ring.

8. Continue Steps 5, 6 and 7 until all filters are compacted into barrels.

All of the above operations are performed within the limits of the following procedure: 12 THP 6010 RAD.303, Solid Waste Handling and Drumming.

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	DIR4	MIN	MAX	DIR5	MIN	MAX	DIR6
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50	B	S		150A	S		150B	S			S			S	
100	82	0	75	0	117	0	119	0	0	0	0	0	102	0	119	81	99	0	131	75	105	0	118	90	93	0	101	82	0	0	0	0	0
200	125	0	118	0	144	0	144	0	0	0	0	0	118	0	131	101	120	0	135	85	120	0	132	105	109	0	123	92	0	0	0	0	0
300	107	0	103	0	137	0	145	0	0	0	0	0	122	0	137	103	123	0	143	96	131	0	149	114	121	0	142	106	0	0	0	0	0
400	110	0	99	0	128	0	131	0	0	0	0	0	111	0	122	94	114	0	135	91	114	0	122	107	104	0	111	95	0	0	0	0	0
500	112	0	105	0	137	0	145	0	0	0	0	0	116	0	127	105	117	0	133	93	120	0	132	105	110	0	118	97	0	0	0	0	0
600	108	0	101	0	128	0	132	0	0	0	0	0	120	0	135	109	119	0	135	92	123	0	132	100	113	0	124	97	0	0	0	0	0
700	114	0	104	0	139	0	141	0	0	0	0	0	111	0	127	96	112	0	135	88	112	0	125	100	101	0	113	86	0	0	0	0	0
800	123	0	112	0	139	0	142	0	0	0	0	0	112	0	124	93	114	0	141	78	114	0	131	90	103	0	118	80	0	0	0	0	0
900	111	0	105	0	131	0	136	0	0	0	0	0	127	0	146	102	127	0	168	80	133	0	160	106	122	0	144	98	0	0	0	0	0
1000	83	0	81	0	95	0	100	0	0	0	0	0	123	0	150	103	125	0	173	92	131	0	168	95	120	0	144	92	0	0	0	0	0
1100	96	0	90	0	109	0	107	0	0	0	0	0	120	0	142	98	121	0	142	84	123	0	144	89	113	0	133	68	0	0	0	0	0
1200	130	0	121	0	156	0	158	0	0	0	0	0	116	0	144	88	116	0	163	79	114	0	137	90	104	0	139	83	0	0	0	0	0
1300	159	0	149	0	178	0	178	0	0	0	0	0	114	0	138	89	115	0	159	70	115	0	154	84	105	0	144	82	0	0	0	0	0
1400	141	0	141	0	175	0	178	0	0	0	0	0	123	0	136	97	125	0	145	92	127	0	150	101	117	0	141	86	0	0	0	0	0
1500	123	0	121	0	156	0	164	0	0	0	0	0	126	0	151	105	128	0	167	95	134	0	160	112	125	0	152	104	0	0	0	0	0
1600	116	0	113	0	150	0	156	0	0	0	0	0	123	0	138	102	126	0	144	93	131	0	155	106	121	0	136	93	0	0	0	0	0
1700	120	0	110	0	149	0	164	0	0	0	0	0	115	0	130	99	118	0	135	92	119	0	130	104	109	0	121	98	0	0	0	0	0
1800	133	0	126	0	163	0	164	0	0	0	0	0	107	0	125	93	110	0	136	72	107	0	117	93	96	0	112	77	0	0	0	0	0
1900	163	0	157	0	215	0	217	0	0	0	0	0	111	0	127	91	112	0	143	74	111	0	129	95	100	0	115	85	0	0	0	0	0
2000	182	0	170	0	234	0	235	0	0	0	0	0	111	0	127	90	110	0	133	69	110	0	128	86	99	0	113	79	0	0	0	0	0
2100	225	0	213	0	274	0	277	0	0	0	0	0	113	0	130	86	112	0	138	66	111	0	132	91	102	0	118	82	0	0	0	0	0
2200	208	0	193	0	263	0	263	0	0	0	0	0	111	0	126	96	112	0	139	80	108	0	124	95	99	0	118	85	0	0	0	0	0
2300	204	0	196	0	262	0	263	0	0	0	0	0	109	0	127	88	109	0	134	79	106	0	125	91	97	0	114	77	0	0	0	0	0
2400	198	0	190	0	264	0	255	0	0	0	0	0	104	0	120	78	105	0	132	77	104	0	120	86	93	0	108	76	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		REMARKS
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	413	0	419	0	435	0	417	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
200	413	0	419	0	430	0	411	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
300	401	0	408	0	397	0	399	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
400	393	0	399	0	392	0	393	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
500	388	0	395	0	386	0	388	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
600	386	0	393	0	384	0	386	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
700	383	0	388	0	383	0	384	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
800	395	0	401	0	390	0	392	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
900	417	0	422	0	430	0	411	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1000	442	0	449	0	433	0	435	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1100	465	0	471	0	448	0	458	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1200	492	0	498	0	478	0	480	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1300	519	0	525	0	505	0	505	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1400	530	0	536	0	518	0	518	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1500	537	0	543	0	527	0	527	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1600	525	0	530	0	512	0	514	0	320	0	320	0	-5	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1700	483	0	491	0	478	0	480	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1800	476	0	482	0	467	0	469	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1900	459	0	464	0	453	0	453	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2000	455	0	460	0	447	0	449	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2100	442	0	449	0	437	0	437	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2200	424	0	431	0	420	0	420	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2300	402	0	410	0	399	0	401	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2400	390	0	395	0	386	0	388	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN.	MAX.	WIND DIR2 50 B	S	MIN.	MAX.	WIND DIR3 150A	S	MIN.	MAX.	WIND DIR4 150B	S	MIN.	MAX.	WIND DIR5	S	MIN.	MAX.	WIND DIR6	S
100	208	0	196	0	264	0	269	0	0	0	0	0	112	0	127	88	115	0	140	75	111	0	134	89	102	0	123	89	0	0	0	0		
200	213	0	201	0	279	0	284	0	0	0	0	0	102	0	122	84	102	0	135	58	101	0	118	86	91	0	118	78	0	0	0	0		
300	231	0	216	0	286	0	289	0	0	0	0	0	107	0	128	83	109	0	142	76	104	0	118	66	95	0	117	70	0	0	0	0		
400	224	0	212	0	288	0	285	0	0	0	0	0	100	0	117	72	103	0	131	66	100	0	121	83	90	0	117	68	0	0	0	0		
500	210	0	200	0	277	0	275	0	0	0	0	0	101	0	124	81	103	0	141	79	99	0	128	80	88	0	109	66	0	0	0	0		
600	209	0	192	0	260	0	261	0	0	0	0	0	105	0	126	76	105	0	143	67	102	0	123	75	93	0	112	69	0	0	0	0		
700	191	0	184	0	245	0	245	0	0	0	0	0	100	0	125	75	102	0	137	64	98	0	124	75	87	0	112	48	0	0	0	0		
800	205	0	188	0	261	0	258	0	0	0	0	0	100	0	123	77	101	0	136	66	99	0	116	76	89	0	113	62	0	0	0	0		
900	217	0	206	0	285	0	285	0	0	0	0	0	99	0	122	78	102	0	132	70	100	0	117	84	88	0	111	64	0	0	0	0		
1000	226	0	217	0	287	0	286	0	0	0	0	0	102	3	126	67	102	0	138	30	101	0	128	83	92	0	111	73	0	0	0	0		
1100	207	0	198	0	272	0	269	0	0	0	0	0	99	0	119	79	99	0	126	68	99	0	123	77	88	0	112	67	0	0	0	0		
1200	196	0	188	0	250	0	252	0	0	0	0	0	97	0	121	78	96	0	132	66	95	0	131	78	86	0	112	72	0	0	0	0		
1300	217	0	210	0	286	0	291	0	0	0	0	0	96	0	118	70	96	0	131	63	98	0	117	76	88	0	111	65	0	0	0	0		
1400	251	0	245	0	299	0	297	0	0	0	0	0	91	0	115	71	91	0	121	63	93	0	110	79	81	0	119	66	0	0	0	0		
1500	211	0	204	0	260	0	259	0	0	0	0	0	93	0	116	72	94	0	125	64	91	0	133	70	80	0	132	55	0	0	0	0		
1600	206	0	199	0	266	0	269	0	0	0	0	0	94	0	122	76	95	0	121	68	94	0	110	77	85	0	103	72	0	0	0	0		
1700	179	0	167	0	231	0	229	0	0	0	0	0	97	0	125	72	99	0	136	74	95	0	117	75	85	0	109	63	0	0	0	0		
1800	133	0	125	0	168	0	172	0	0	0	0	0	98	0	125	76	98	0	139	64	96	0	114	73	86	0	106	66	0	0	0	0		
1900	95	0	88	0	116	0	117	0	0	0	0	0	113	0	132	88	116	0	136	81	114	0	133	94	103	0	124	83	0	0	0	0		
2000	91	0	83	0	114	0	116	0	0	0	0	0	105	0	126	87	103	0	[illegible]	68	106	0	129	90	94	0	113	78	0	0	0	0		
2100	72	0	66	0	97	0	98	0	0	0	0	0	101	0	132	76	103	0	[illegible]	68	103	0	126	82	92	0	114	78	0	0	0	0		
2200	59	0	54	0	80	0	80	0	0	0	0	0	91	0	107	69	92	0	[illegible]		97	0	107	85	87	0	99	77	0	0	0	0		
2300	42	0	37	0	74	0	72	0	0	0	0	0	143	0	177	125	144	0	[illegible]		170	0	196	153	158	0	190	145	0	0	0	0		
2400	42	0	37	0	67	0	70	0	0	0	0	0	130	0	146	115	133	0	[illegible]		0	166	148	145	0	159	138	0	0	0	0			

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.	MISC 1	S	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	MAX	S
100	383	0	388	0	381	0	383	0	320	0	320	0	-1	0	-5	0	0	0		320	2	0	0	0	0	0	0	0		
200	381	0	388	0	379	0	381	0	320	0	320	0	-1	0	-5	0	0	0		320	2	0	0	0	0	0	0	0		
300	383	0	390	0	381	0	383	0	320	0	320	0	-3	0	-5	0	0	0	0	320	2	0	0	0	0	0	0	0		
400	379	0	384	0	377	0	379	0	320	0	320	0	-3	0	-5	0	0	0	0	320	2	0	0	0	0	0	0	0		
500	384	0	390	0	383	0	384	0	320	0	320	0	-3	0	-5	0	0	0	0	320	2	0	0	0	0	0	0	0		
600	390	0	395	0	388	0	390	0	320	0	320	0	-3	0	-5	0	0	0		320	2	0	0	0	0	0	0	0		
700	393	0	399	0	392	0	393	0	320	0	320	0	-1	0	-5	0	0	0		320	2	0	0	0	0	0	0	0		
800	397	0	402	0	395	0	397	0	320	0	320	0	-1	0	-5	0	0	0		320	2	0	0	0	0	0	0	0		
900	390	0	395	0	388	0	390	0	320	0	320	0	-1	0	-5	0	0	0		320	2	0	0	0	0	0	0	0		
1000	388	0	395	0	388	0	390	0	320	0	320	0	-3	0	-5	0	0	0		320	2	0	0	0	0	0	0	0		
1100	393	0	401	0	392	0	393	0	320	0	320	0	-3	0	-5	0	0	0		320	2	0	0	0	0	0	0	0		
1200	397	0	402	0	393	0	395	0	320	0	320	0	-3	0	-7	0	0	0	0	320	2	0	0	0	0	0	0	0		
1300	402	0	410	0	397	0	401	0	320	0	320	0	-3	0	-7	0	0	0	0	320	2	0	0	0	0	0	0	0		
1400	401	0	408	0	397	0	399	0	320	0	320	0	-5	0	-7	0	0	0	0	320	2	0	0	0	0	0	0	0		
1500	393	0	399	0	390	0	392	0	320	0	320	0	-3	0	-7	0	0	0	0	320	2	0	0	0	0	0	0	0		
1600	392	0	399	0	392	0	393	0	320	0	320	0	-3	0	-7	0	0	0	0	320	2	0	0	0	0	0	0	0		
1700	395	0	401	0	395	0	397	0	320	0	320	0	-3	0	-7	0	0	0	0	320	2	0	0	0	0	0	0	0		
1800	395	0	401	0	393	0	395	0	320	0	320	0	-3	0	-7	0	0	0	0	320	2	0	0	0	0	0	0	0		
1900	399	0	406	0	395	0	395	0	320	0	320	0	-3	0	-7	0	0	0	0	320	2	0	0	0	0	0	0	0		
2000	401	0	406	0	397	0	397	0	320	0	320	0	-3	0	-7	0	0	0	0	320	2	0	0	0	0	0	0	0		
2100	404	0	410	0	401	0	401	0	320	0	320	0	-3	0	-5	0	0	0	0	320	2	0	0	0	0	0	0	0		
2200	406	0	413	0	406	0	406	0	320	0	320	0	0	0	-3	0	0	0	0	320	2	0	0	0	0	0	0	0		
2300	408	0	415	0	415	0	415	0	320	0	320	0	7	0	3	0	0	0	0	320	2	0	0	0	0	0	0	0		
2400	408	0	415	0	422	0	424	0	320	0	320	0	14	0	10	0	0	0	0	320	2	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	54	0	49	0	69	0	72	0	0	0	0	0	120	0	137	108	123	0	141	107	137	0	162	126	128	0	152	117	0	0	0	0	0	0
200	49	0	44	0	69	0	71	0	0	0	0	0	113	0	130	85	118	0	131	92	126	0	138	114	116	0	128	109	0	0	0	0	0	0
300	31	0	22	0	60	0	56	0	0	0	0	0	190	0	220	151	192	0	237	141	180	0	200	155	169	0	238	194	0	0	0	0	0	0
400	31	0	23	0	63	0	52	0	0	0	0	0	188	0	235	117	188	3	239	135	195	0	212	179	183	0	268	169	0	0	0	0	0	0
500	41	0	28	0	61	0	62	0	0	0	0	0	214	0	237	189	212	0	243	180	224	0	239	212	210	0	220	196	0	0	0	0	0	0
600	33	0	26	0	54	0	45	0	0	0	0	0	178	0	229	148	177	3	244	131	202	0	218	183	189	0	241	138	0	0	0	0	0	0
700	58	0	54	0	72	0	77	0	0	0	0	0	240	0	254	221	238	0	260	221	248	0	256	238	234	0	243	229	0	0	0	0	0	0
800	44	0	37	0	60	0	63	0	0	0	0	0	231	0	275	206	227	0	265	169	236	0	258	210	221	0	243	186	0	0	0	0	0	0
900	65	0	62	0	74	0	79	0	0	0	0	0	250	0	278	221	247	0	275	216	250	0	261	218	236	0	254	209	0	0	0	0	0	0
1000	65	0	60	0	65	0	68	0	0	0	0	0	247	0	281	192	244	0	308	193	251	0	289	223	237	0	269	195	0	0	0	0	0	0
1100	88	0	85	0	92	0	97	0	0	0	0	0	252	0	277	229	248	0	280	203	251	0	268	233	237	0	251	220	0	0	0	0	0	0
1200	69	0	65	0	82	0	88	0	0	0	0	0	252	0	280	214	248	0	282	203	266	0	285	244	252	0	261	226	0	0	0	0	0	0
1300	64	0	61	0	65	0	70	0	0	0	0	0	261	0	297	235	257	0	306	222	279	0	332	245	262	0	310	231	0	0	0	0	0	0
1400	58	0	53	0	64	0	68	0	0	0	0	0	292	0	321	259	289	0	321	250	293	0	316	239	275	0	308	227	0	0	0	0	0	0
1500	70	0	66	0	74	0	79	0	0	0	0	0	285	0	316	240	281	0	318	230	291	0	321	250	271	0	303	234	0	0	0	0	0	0
1600	103	0	94	0	130	0	124	0	0	0	0	0	298	0	311	285	299	0	318	299	306	0	320	295	286	0	295	273	0	0	0	0	0	0
1700	112	0	100	0	138	0	141	0	0	0	0	0	300	0	316	286	293	0	321	264	309	0	319	298	289	0	298	279	0	0	0	0	0	0
1800	105	0	103	0	136	0	128	0	0	0	0	0	312	0	333	278	303	0	321	227	321	0	341	311	301	0	313	289	0	0	0	0	0	0
1900	107	0	102	0	131	0	124	0	0	0	0	0	306	0	325	287	300	0	316	269	314	0	329	303	295	0	312	286	0	0	0	0	0	0
2000	106	0	104	0	133	0	116	0	0	0	0	0	311	0	328	288	304	0	340	272	317	0	334	299	297	0	309	286	0	0	0	0	0	0
2100	107	0	103	0	119	0	121	0	0	0	0	0	308	0	326	291	301	0	321	276	316	0	330	306	296	0	309	286	0	0	0	0	0	0
2200	106	0	98	0	135	0	127	0	0	0	0	0	305	0	319	289	299	0	322	272	313	0	325	306	293	0	304	286	0	0	0	0	0	0
2300	84	0	77	0	93	0	100	0	0	0	0	0	288	0	323	249	282	0	321	232	294	0	334	256	274	0	294	227	0	0	0	0	0	0
2400	57	0	54	0	70	0	74	0	0	0	0	0	273	0	319	230	269	0	321	235	286	0	333	227	271	0	314	220	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	408	0	413	0	419	0	420	0	320	0	320	0	12	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	402	0	410	0	411	0	413	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
300	402	0	408	0	404	0	406	0	320	0	320	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	397	0	402	0	402	0	402	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	395	0	401	0	402	0	402	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	390	0	395	0	395	0	395	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	390	0	397	0	392	0	393	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	399	0	404	0	395	0	395	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	410	0	417	0	402	0	402	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	411	0	419	0	408	0	410	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	411	0	417	0	410	0	410	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	390	0	395	0	394	0	386	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	381	0	388	0	377	0	379	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	381	0	386	0	372	0	374	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	374	0	379	0	366	0	366	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	366	0	372	0	354	0	354	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	365	0	372	0	352	0	354	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	363	0	368	0	352	0	354	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	361	0	366	0	352	0	352	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	361	0	366	0	352	0	352	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	363	0	368	0	354	0	356	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	363	0	370	0	354	0	356	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	368	0	374	0	359	0	361	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	366	0	372	0	361	0	361	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	97	0	94	0	107	0	112	0	0	0	0	0	263	0	289	233	260	0	292	226	272	0	287	258	257	0	269	244	0	0	0	U	U
200	95	0	91	0	107	0	114	0	0	0	0	0	267	0	300	241	262	0	303	214	278	0	313	253	262	0	280	240	0	0	0	U	U
300	71	0	66	0	83	0	86	0	0	0	0	0	274	0	310	237	270	0	316	231	281	0	306	243	267	0	296	235	0	0	0	U	U
400	69	0	65	0	95	0	99	0	0	0	0	0	288	0	320	258	284	0	353	253	288	0	313	258	272	0	296	242	0	0	0	U	U
500	103	0	98	0	119	0	125	0	0	0	0	0	270	0	307	240	264	0	310	220	280	0	313	243	264	0	292	235	0	0	0	U	U
600	104	0	100	0	130	0	134	0	0	0	0	0	270	0	309	241	265	0	309	231	276	0	318	239	259	0	293	216	0	0	0	U	U
700	60	0	56	0	79	0	84	0	0	0	0	0	280	0	334	233	276	0	344	216	287	0	313	261	271	0	301	234	0	0	0	U	U
800	89	0	77	0	102	0	106	0	0	0	0	0	261	0	295	229	257	0	283	230	268	0	287	256	252	0	280	240	0	0	0	U	U
900	93	0	94	0	134	0	141	0	0	0	0	0	261	0	288	238	258	0	287	225	266	0	285	245	250	0	268	232	0	0	0	U	U
1000	114	0	114	0	136	0	143	0	0	0	0	0	265	0	280	245	262	0	283	231	271	0	284	261	257	0	270	248	0	0	0	U	U
1100	76	0	74	0	82	0	88	0	0	0	0	0	262	0	291	230	258	0	283	231	262	0	285	234	247	0	266	219	0	0	0	U	U
1200	95	0	93	0	94	0	99	0	0	0	0	0	268	0	286	248	262	0	280	232	262	0	277	221	248	0	262	208	0	0	0	U	U
1300	57	0	53	0	61	0	66	0	0	0	0	0	267	0	321	233	263	0	321	191	284	0	323	223	267	0	334	203	0	0	0	U	U
1400	59	0	55	0	58	0	59	0	0	0	0	0	337	0	57	294	326	0	6	272	339	0	4	302	320	0	348	289	0	0	0	U	U
1500	61	0	54	0	61	0	60	0	0	0	0	0	346	0	27	313	340	0	79	300	350	0	32	315	333	0	25	297	0	0	0	U	U
1600	65	0	58	0	66	0	66	0	0	0	0	0	346	0	17	290	341	0	10	287	352	0	15	303	334	0	356	312	0	0	0	U	U
1700	42	0	36	0	40	0	40	0	0	0	0	0	31	0	69	353	30	0	82	350	26	0	59	351	11	0	68	342	0	0	0	U	U
1800	47	0	43	0	45	0	50	0	0	0	0	0	49	0	91	25	55	0	86	4	53	0	80	19	38	0	94	0	0	0	0	U	U
1900	47	0	48	0	53	0	61	0	0	0	0	0	58	0	78	28	67	0	85	11	52	0	78	34	37	0	71	16	0	0	0	U	U
2000	46	0	44	0	55	0	65	0	0	0	0	0	75	0	107	53	74	0	95	52	70	0	82	54	55	0	73	40	0	0	0	U	U
2100	56	0	50	0	68	0	70	0	0	0	0	0	84	0	106	71	82	0	124	64	79	0	91	71	64	0	79	45	0	0	0	U	U
2200	48	0	42	0	60	0	59	0	0	0	0	0	91	0	109	75	90	0	130	68	90	0	99	81	75	0	89	65	0	0	0	U	U
2300	51	0	53	0	64	0	77	0	0	0	0	0	63	0	79	45	66	0	85	25	64	0	76	50	51	0	62	38	0	0	0	U	U
2400	53	0	51	0	61	0	71	0	0	0	0	0	72	0	86	52	73	0	96	61	69	0	85	55	54	0	75	38	0	0	0	U	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	361	0	366	0	394	0	356	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	365	0	370	0	396	0	357	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
300	361	0	368	0	397	0	357	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	366	0	372	0	399	0	361	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	366	0	372	0	403	0	363	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	368	0	374	0	401	0	363	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	365	0	372	0	399	0	361	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	365	0	372	0	399	0	359	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	369	0	374	0	399	0	361	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	370	0	375	0	403	0	363	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	390	0	397	0	403	0	389	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	388	0	395	0	401	0	402	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	408	0	415	0	390	0	392	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	424	0	431	0	402	0	402	0	320	0	320	0	-21	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	411	0	417	0	392	0	393	0	320	0	320	0	-18	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	410	0	417	0	404	0	406	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	399	0	404	0	393	0	393	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	399	0	406	0	393	0	395	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	399	0	406	0	393	0	395	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	397	0	402	0	392	0	393	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	392	0	397	0	390	0	390	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	392	0	397	0	390	0	392	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	388	0	393	0	396	0	398	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	384	0	395	0	394	0	394	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .001 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
													50 B	S			150A	S			150B	S			S			S	
100	54	0	54	0	65	0	76	0	0	0	0	0	68	0	89	46	69	0	96	36	67	0	84	54	52	0	68	38	0	0	0	0	0	
200	57	0	55	0	66	0	74	0	0	0	0	0	79	0	119	51	77	0	100	57	73	0	93	58	58	0	76	40	0	0	0	0	0	
300	52	0	46	0	67	0	69	0	0	0	0	0	102	0	132	68	102	0	136	59	98	0	124	70	85	0	112	58	0	0	0	0	0	
400	43	0	38	0	58	0	57	0	0	0	0	0	82	0	101	59	79	0	102	62	91	0	107	68	76	0	94	54	0	0	0	0	0	
500	81	0	80	0	98	0	108	0	0	0	0	0	77	0	98	56	75	0	98	40	73	0	89	55	58	0	76	38	0	0	0	0	0	
600	55	0	56	0	69	0	79	0	0	0	0	0	73	0	101	46	73	0	117	35	69	0	104	45	55	0	87	37	0	0	0	0	0	
700	82	0	80	0	94	0	101	0	0	0	0	0	76	0	97	51	76	0	102	37	72	0	89	55	58	0	82	38	0	0	0	0	0	
800	75	0	75	0	93	0	92	0	0	0	0	0	76	0	97	54	74	0	97	38	75	0	100	59	61	0	90	40	0	0	0	0	0	
900	103	0	101	0	115	0	118	0	0	0	0	0	85	0	107	64	82	0	121	51	81	0	106	58	66	0	94	42	0	0	0	0	0	
1000	113	0	106	0	136	0	135	0	0	0	0	0	96	0	123	70	94	0	135	64	99	0	123	76	85	0	107	60	0	0	0	0	0	
1100	126	0	119	0	150	0	147	0	0	0	0	0	92	0	124	64	92	0	135	65	88	0	108	75	74	0	90	53	0	0	0	0	0	
1200	120	0	116	0	136	0	138	0	0	0	0	0	88	0	123	45	88	0	135	55	88	0	127	64	74	0	116	52	0	0	0	0	0	
1300	137	0	129	0	171	0	170	0	0	0	0	0	95	0	120	58	95	0	141	59	90	0	108	67	77	0	104	49	0	0	0	0	0	
1400	132	0	124	0	147	0	148	0	0	0	0	0	87	0	118	68	86	0	127	59	87	0	118	61	73	0	118	54	0	0	0	0	0	
1500	127	0	128	0	148	0	158	0	0	0	0	0	76	0	94	42	76	0	104	33	76	0	103	50	61	0	79	40	0	0	0	0	0	
1600	91	0	89	0	115	0	122	0	0	0	0	0	80	0	114	58	80	0	109	58	78	0	102	53	64	0	87	38	0	0	0	0	0	
1700	91	0	94	0	116	0	128	0	0	0	0	0	74	0	92	57	72	0	103	58	73	0	84	56	58	0	72	42	0	0	0	0	0	
1800	74	0	77	0	93	0	108	0	0	0	0	0	66	0	106	39	69	0	120	29	65	0	88	37	50	0	74	31	0	0	0	0	0	
1900	110	0	106	0	143	0	144	0	0	0	0	0	84	0	109	52	83	0	114	64	84	0	100	66	69	0	86	49	0	0	0	0	0	
2000	141	0	133	0	182	0	181	0	0	0	0	0	94	0	116	69	92	0	131	64	95	0	114	79	82	0	104	62	0	0	0	0	0	
2100	134	0	125	0	169	0	170	0	0	0	0	0	93	0	118	71	92	0	117	64	89	0	107	71	76	0	104	47	0	0	0	0	0	
2200	139	0	131	0	177	0	179	0	0	0	0	0	92	0	116	75	90	0	116	62	91	0	107	71	78	0	98	52	0	0	0	0	0	
2300	150	0	140	0	189	0	188	0	0	0	0	0	101	0	121	80	101	0	133	69	100	0	117	88	87	0	104	70	0	0	0	0	0	
2400	168	0	159	0	212	0	223	0	0	0	0	0	103	0	125	80	102	0	132	62	100	0	115	84	87	0	103	69	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN
100	386	0	392	0	383	0	383	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	386	0	393	0	381	0	383	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	383	0	390	0	379	0	383	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	381	0	388	0	379	0	381	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	379	0	386	0	375	0	375	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	381	0	384	0	375	0	375	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	377	0	383	0	372	0	372	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	379	0	384	0	374	0	375	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	386	0	393	0	379	0	381	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	395	0	402	0	390	0	392	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	401	0	406	0	395	0	397	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	411	0	417	0	404	0	404	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	422	0	428	0	411	0	413	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	428	0	433	0	419	0	420	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	435	0	440	0	426	0	426	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	417	0	424	0	415	0	417	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	404	0	410	0	404	0	404	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	402	0	410	0	401	0	402	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	404	0	410	0	402	0	404	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	410	0	417	0	408	0	410	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	404	0	411	0	402	0	404	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	406	0	413	0	406	0	406	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	402	0	408	0	399	0	401	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	399	0	406	0	395	0	397	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50 B		S		150A		S		150B		S				S				S	
100	194	0	182	0	229	0	234	0	0	0	0	0	111	0	129	89	112	0	136	85	108	0	117	92	96	0	108	73	0	0	0	0	U
200	180	0	170	0	219	0	223	0	0	0	0	0	113	0	130	100	114	0	136	89	112	0	135	99	101	0	128	87	0	0	0	0	U
300	191	0	177	0	225	0	228	0	0	0	0	0	117	0	136	105	119	0	141	96	116	0	135	105	104	0	121	90	0	0	0	0	U
400	176	0	163	0	206	0	213	0	0	0	0	0	116	0	129	96	116	0	135	94	115	0	136	99	103	0	124	80	0	0	0	0	U
500	190	0	180	0	219	0	223	0	0	0	0	0	117	0	128	104	119	0	137	91	117	0	135	103	106	0	124	83	0	0	0	0	U
600	184	0	169	0	209	0	213	0	0	0	0	0	121	0	133	101	124	0	141	96	125	0	140	104	115	0	130	97	0	0	0	0	U
700	174	0	167	0	206	0	213	0	0	0	0	0	120	0	135	108	122	0	137	102	122	0	131	106	111	0	121	98	0	0	0	0	U
800	143	0	136	0	170	0	174	0	0	0	0	0	122	0	140	112	125	0	143	109	126	0	144	108	114	0	130	100	0	0	0	0	U
900	135	0	127	0	153	0	159	0	0	0	0	0	122	0	137	109	124	0	136	109	126	0	144	105	114	0	132	99	0	0	0	0	U
1000	121	0	118	0	145	0	151	0	0	0	0	0	126	0	149	113	127	0	147	102	132	0	149	117	119	0	133	106	0	0	0	0	U
1100	122	0	119	0	142	0	148	0	0	0	0	0	123	0	141	104	124	0	141	96	127	0	145	106	115	0	133	94	0	0	0	0	U
1200	115	0	112	0	136	0	132	0	0	0	0	0	128	0	160	350	128	0	162	100	133	0	154	119	122	0	151	104	0	0	0	0	U
1300	99	0	98	0	126	0	130	0	0	0	0	0	131	0	148	108	134	0	171	112	137	0	157	110	125	0	143	106	0	0	0	0	U
1400	86	0	85	0	104	0	109	0	0	0	0	0	132	0	157	102	133	0	171	95	142	0	161	114	130	0	163	104	0	0	0	0	U
1500	65	0	61	0	78	0	81	0	0	0	0	0	128	0	150	99	130	0	172	88	140	0	165	111	129	0	156	103	0	0	0	0	U
1600	38	0	29	0	46	0	52	0	0	0	0	0	174	0	259	94	178	3	267	97	180	0	221	148	169	0	224	128	0	0	0	0	U
1700	36	0	24	0	45	0	47	0	0	0	0	0	200	0	260	122	197	3	255	119	198	0	227	152	185	0	235	126	0	0	0	0	U
1800	39	0	27	0	48	0	51	0	0	0	0	0	193	0	245	127	190	3	259	135	187	0	213	149	175	0	211	135	0	0	0	0	U
1900	16	0	12	0	14	0	16	0	0	0	0	0	118	3	164	75	117	3	175	67	129	0	158	99	121	0	146	92	0	0	0	0	U
2000	41	0	37	0	54	0	57	0	0	0	0	0	89	0	143	47	95	0	165	62	98	0	124	59	86	0	113	48	0	0	0	0	U
2100	53	0	48	0	67	0	69	0	0	0	0	0	123	0	149	107	126	0	142	89	123	0	139	110	113	0	130	97	0	0	0	0	U
2200	36	0	31	0	66	0	66	0	0	0	0	0	152	0	197	110	152	0	186	90	166	0	185	151	159	0	170	139	0	0	0	0	U
2300	26	0	19	0	43	0	49	0	0	0	0	0	186	0	254	133	186	3	265	110	184	0	217	159	172	0	211	148	0	0	0	0	U
2400	13	0	12	0	16	0	17	0	0	0	0	0	267	0	297	241	266	0	301	236	230	5	292	201	218	0	279	189	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S 180B	S	S	S	S	S	S	S	S	S	
100	401	0	406	0	397	0	399	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
200	401	0	406	0	397	0	399	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
300	399	0	406	0	395	0	397	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
400	397	0	404	0	395	0	395	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
500	393	0	401	0	390	0	392	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
600	392	0	397	0	394	0	386	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
700	390	0	397	0	386	0	388	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
800	397	0	402	0	392	0	393	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
900	402	0	410	0	401	0	402	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
1000	410	0	417	0	404	0	406	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
1100	415	0	422	0	410	0	411	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
1200	428	0	433	0	419	0	420	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
1300	449	0	455	0	435	0	435	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
1400	476	0	482	0	460	0	458	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
1500	485	0	491	0	473	0	473	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
1600	503	0	509	0	489	0	489	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
1700	500	0	505	0	491	0	491	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
1800	500	0	505	0	492	0	492	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
1900	498	0	503	0	491	0	492	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
2000	494	0	498	0	489	0	489	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
2100	487	0	492	0	483	0	485	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
2200	483	0	489	0	478	0	478	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
2300	478	0	483	0	474	0	474	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U
2400	476	0	469	0	471	0	471	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	51	0	46	0	42	0	45	0	0	0	0	0	259	0	280	239	256	0	287	225	288	0	314	257	271	0	296	241	0	0	0	0	
200	101	0	99	0	116	0	122	0	0	0	0	0	250	0	268	232	246	0	266	216	263	0	278	253	249	0	264	242	0	0	0	0	
300	104	0	99	0	147	0	152	0	0	0	0	0	292	0	315	266	286	0	324	243	302	0	320	282	284	0	294	259	0	0	0	0	
400	133	0	127	0	177	0	182	0	0	0	0	0	293	0	311	272	289	0	317	255	305	0	316	285	285	0	295	268	0	0	0	0	
500	75	0	70	0	111	0	113	0	0	0	0	0	305	0	333	282	300	0	339	266	318	0	331	291	298	0	313	279	0	0	0	0	
600	77	0	72	0	107	0	110	0	0	0	0	0	280	0	326	246	274	0	311	240	290	0	313	298	272	0	303	239	0	0	0	0	
700	104	0	98	0	134	0	139	0	0	0	0	0	271	0	303	241	265	0	309	230	282	0	317	253	264	0	297	238	0	0	0	0	
800	115	0	112	2	126	0	132	2	0	0	0	0	128	0	160	350	128	2	162	100	133	0	154	119	122	2	151	104	0	0	0	0	
900	163	0	160	0	189	0	202	0	0	0	0	0	294	0	321	269	286	0	313	255	294	0	327	239	274	0	292	230	0	0	0	0	
1000	138	0	132	0	160	0	167	0	0	0	0	0	294	0	331	253	289	0	316	259	297	0	316	267	279	0	303	241	0	0	0	0	
1100	111	0	108	0	136	0	143	0	0	0	0	0	267	0	305	239	263	0	304	212	276	0	305	250	260	0	280	235	0	0	0	0	
1200	108	0	102	0	131	0	137	0	0	0	0	0	286	0	325	256	280	0	337	217	291	0	334	254	274	0	308	241	0	0	0	0	
1300	100	0	94	0	102	0	109	0	0	0	0	0	296	0	315	278	292	0	320	266	296	0	323	256	279	0	299	255	0	0	0	0	
1400	112	0	100	0	132	0	127	0	0	0	0	0	296	0	326	279	291	0	315	254	303	0	318	276	285	0	297	261	0	0	0	0	
1500	72	0	68	0	90	0	93	0	0	0	0	0	304	0	341	278	295	0	321	255	311	0	330	295	291	0	303	272	0	0	0	0	
1600	76	0	72	0	79	0	83	0	0	0	0	0	297	0	324	271	291	0	321	259	296	0	315	254	278	0	297	230	0	0	0	0	
1700	43	0	43	0	62	0	56	0	0	0	0	0	290	0	332	235	285	0	321	231	295	0	331	245	276	0	330	230	0	0	0	0	
1800	48	0	44	0	63	0	56	0	0	0	0	0	295	0	330	251	288	0	349	248	296	0	330	258	278	0	320	241	0	0	0	0	
1900	47	0	43	0	60	0	62	0	0	0	0	0	286	0	329	245	282	0	321	235	294	0	341	249	275	0	315	233	0	0	0	0	
2000	62	0	53	0	72	0	75	0	0	0	0	0	296	0	310	270	291	0	317	259	310	0	319	296	290	0	297	275	0	0	0	0	
2100	53	0	47	0	72	0	74	0	0	0	0	0	315	0	355	282	309	0	13	276	329	0	347	309	310	0	342	289	0	0	0	0	
2200	63	0	58	0	89	0	91	0	0	0	0	0	311	0	349	277	303	0	345	265	326	0	346	302	305	0	324	288	0	0	0	0	
2300	65	0	59	0	96	0	97	0	0	0	0	0	313	0	340	289	307	0	349	274	330	0	345	313	310	0	330	297	0	0	0	0	
2400	58	0	52	0	93	0	93	0	0	0	0	0	2	0	42	303	0	0	83	287	0	0	60	333	342	0	12	315	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN
100	433	0	438	0	437	0	438	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
200	401	0	406	0	404	0	406	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
300	404	0	410	0	404	0	406	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
400	397	0	404	0	399	0	399	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
500	392	0	397	0	393	0	395	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
600	388	0	395	0	390	0	392	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
700	383	0	390	0	384	0	386	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
800	383	0	390	2	383	2	384	2	320	0	320	0	-5	0	-9	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
900	386	0	392	0	383	0	384	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1000	386	0	393	0	381	0	383	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1100	395	0	401	0	388	0	390	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1200	397	0	402	0	388	0	390	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1300	397	0	404	0	388	0	390	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1400	401	0	408	0	394	0	396	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1500	419	0	426	0	393	0	395	0	320	0	320	0	-28	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1600	415	0	420	0	404	0	406	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1700	415	0	422	0	402	0	404	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1800	402	0	410	0	395	0	397	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1900	388	0	393	0	386	0	388	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2000	392	0	399	0	390	0	392	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2100	392	0	397	0	392	0	392	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2200	386	0	392	0	392	0	393	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2300	381	0	388	0	383	0	384	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2400	379	0	384	0	377	0	379	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6	S
100	50	0	44	0	70	0	71	0	0	0	0	0	23	0	66	342	18	0	81	311	12	0	46	347	354	0	61	317	0	0	0	0	
200	69	0	61	0	86	0	84	0	0	0	0	0	30	0	51	2	24	0	85	345	19	0	41	340	3	0	31	331	0	0	0	0	
300	64	0	56	0	91	0	90	0	0	0	0	0	24	0	65	359	18	0	85	341	15	0	36	351	0	0	38	326	0	0	0	0	
400	83	0	74	0	101	0	100	0	0	0	0	0	26	0	44	0	23	0	81	354	15	0	34	358	358	0	30	337	0	0	0	0	
500	97	0	87	0	116	0	121	0	0	0	0	0	24	0	46	4	19	0	85	315	19	0	35	1	3	0	29	348	0	0	0	0	
600	89	0	77	0	106	0	104	0	0	0	0	0	35	0	54	15	33	0	85	350	31	0	54	15	14	0	33	352	0	0	0	0	
700	55	0	57	0	78	0	87	0	0	0	0	0	55	0	84	27	62	0	85	26	49	0	69	30	33	0	54	10	0	0	0	0	
800	59	0	59	0	82	0	73	0	0	0	0	0	71	0	94	49	72	0	97	40	69	0	90	53	55	0	84	33	0	0	0	0	
900	64	0	62	0	85	0	70	0	0	0	0	0	81	0	142	34	81	0	139	0	77	0	121	38	62	0	103	17	0	0	0	0	
1000	69	0	66	0	86	0	76	0	0	0	0	0	62	0	92	20	63	0	95	11	62	0	102	31	48	0	90	21	0	0	0	0	
1100	91	0	82	0	109	0	105	0	0	0	0	0	17	0	53	318	17	0	85	304	11	0	62	335	353	0	32	294	0	0	0	0	
1200	124	0	114	0	136	0	135	0	0	0	0	0	20	0	47	345	17	0	68	319	15	0	38	349	358	0	48	333	0	0	0	0	
1300	122	0	111	0	143	0	142	0	0	0	0	0	22	0	53	356	18	0	78	311	18	0	53	352	0	0	34	336	0	0	0	0	
1400	98	0	92	0	129	0	129	0	0	0	0	0	16	0	63	279	13	0	81	279	11	0	43	330	352	0	40	300	0	0	0	0	
1500	147	0	139	0	169	0	163	0	0	0	0	0	21	0	45	353	16	0	67	345	20	0	59	357	2	0	51	341	0	0	0	0	
1600	145	0	134	0	158	0	157	0	0	0	0	0	26	0	56	354	22	0	84	345	20	0	61	356	4	0	43	332	0	0	0	0	
1700	147	0	138	0	170	0	167	0	0	0	0	0	31	0	50	353	24	0	80	327	25	0	49	352	9	0	40	340	0	0	0	0	
1800	166	0	156	0	198	0	195	0	0	0	0	0	33	0	58	9	29	0	82	356	30	0	49	8	13	0	43	337	0	0	0	0	
1900	130	0	122	0	146	0	146	0	0	0	0	0	32	0	55	17	27	0	73	359	34	0	65	18	19	0	58	0	0	0	0	0	
2000	70	0	68	0	95	0	104	0	0	0	0	0	51	0	77	26	58	0	85	4	47	0	68	27	30	0	50	359	0	0	0	0	
2100	82	0	86	0	135	0	149	0	0	0	0	0	72	0	89	57	71	0	96	58	68	0	76	54	53	0	62	47	0	0	0	0	
2200	131	0	127	0	173	0	178	0	0	0	0	0	84	0	107	64	83	0	108	57	80	0	98	64	65	0	81	50	0	0	0	0	
2300	157	0	153	0	219	0	216	0	0	0	0	0	94	0	112	75	93	0	127	61	94	0	116	73	79	0	106	61	0	0	0	0	
2400	183	0	173	0	235	0	226	0	0	0	0	0	97	0	116	75	97	0	132	64	97	0	121	76	83	0	107	66	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	REMARKS
100	374	0	379	0	374	0	374	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
200	370	0	377	0	368	0	368	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
300	363	0	370	0	363	0	365	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
400	361	0	368	0	361	0	363	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
500	359	0	366	0	356	0	357	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
600	357	0	363	0	354	0	356	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
700	350	0	356	0	354	0	356	0	320	0	320	0	-1	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
800	361	0	368	0	361	0	363	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
900	384	0	390	0	377	0	379	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1000	397	0	402	0	390	0	392	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1100	404	0	410	0	399	0	401	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1200	397	0	402	0	397	0	397	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1300	402	0	406	0	397	0	399	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1400	404	0	410	0	397	0	399	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1500	392	0	404	0	395	0	397	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1600	395	0	401	0	390	0	392	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1700	388	0	393	0	384	0	386	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1800	384	0	392	0	383	0	384	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1900	388	0	395	0	384	0	386	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2000	381	0	386	0	381	0	383	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2100	388	0	395	0	411	0	413	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2200	415	0	422	0	417	0	419	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2300	426	0	431	0	422	0	424	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2400	415	0	422	0	411	0	413	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION...
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND	
														50 B	S		150A	S		150B	S			S			S		
100	179	0	170	0	220	0	219	0	0	0	0	0	101	0	124	78	99	0	138	68	99	0	119	72	85	0	99	65	0	0	0	0	0	
200	197	0	185	0	246	0	252	0	0	0	0	0	105	0	124	81	104	0	139	68	104	0	133	83	91	0	120	72	0	0	0	0	0	
300	218	0	212	0	283	0	283	0	0	0	0	0	103	0	128	81	103	0	157	69	100	0	113	75	88	0	107	65	0	0	0	0	0	
400	261	0	249	0	332	0	339	0	0	0	0	0	102	0	122	80	101	0	136	69	101	0	121	78	90	0	108	73	0	0	0	0	0	
500	237	0	229	0	283	0	289	0	0	0	0	0	110	0	135	83	110	0	140	68	111	0	138	76	101	0	124	75	0	0	0	0	0	
600	209	0	201	0	268	0	266	0	0	0	0	0	107	0	123	89	109	0	135	66	104	0	123	89	93	0	114	73	0	0	0	0	0	
700	214	0	204	0	284	0	270	0	0	0	0	0	110	0	128	94	111	0	144	80	110	0	128	80	100	0	118	88	0	0	0	0	0	
800	233	0	218	0	289	0	294	0	0	0	0	0	108	0	122	85	111	0	141	60	107	0	126	90	97	0	122	76	0	0	0	0	0	
900	199	0	194	0	240	0	246	0	0	0	0	0	116	0	142	98	118	0	141	90	118	0	139	95	108	0	125	89	0	0	0	0	0	
1000	249	0	233	0	302	0	308	0	0	0	0	0	119	0	130	92	116	0	146	86	119	0	127	97	104	0	118	85	0	0	0	0	0	
1100	227	0	222	0	274	0	279	0	0	0	0	0	118	0	131	98	121	0	149	97	119	0	134	102	109	0	122	94	0	0	0	0	0	
1200	175	0	173	0	221	0	226	0	0	0	0	0	126	0	141	111	128	0	155	97	133	0	155	114	123	0	144	100	0	0	0	0	0	
1300	135	0	134	0	171	0	178	0	0	0	0	0	128	0	153	104	130	0	168	90	133	0	153	111	123	0	142	96	0	0	0	0	0	
1400	148	0	146	0	171	0	179	0	0	0	0	0	122	0	143	105	124	0	143	92	127	0	147	111	117	0	134	96	0	0	0	0	0	
1500	127	0	133	0	190	0	193	0	0	0	0	0	133	0	151	118	135	0	169	115	138	0	153	123	127	0	143	114	0	0	0	0	0	
1600	121	0	117	0	144	0	156	0	0	0	0	0	122	0	146	104	125	0	143	99	131	0	153	117	121	0	143	106	0	0	0	0	0	
1700	104	0	104	0	135	0	140	0	0	0	0	0	133	0	149	114	137	0	175	115	139	0	160	120	128	0	143	111	0	0	0	0	0	
1800	79	0	77	0	114	0	119	0	0	0	0	0	133	0	155	120	135	0	168	115	141	0	154	124	130	0	149	108	0	0	0	0	0	
1900	65	0	61	0	93	0	97	0	0	0	0	0	137	0	170	113	137	0	175	96	142	0	174	117	139	0	160	112	0	0	0	0	0	
2000	67	0	65	0	98	0	104	0	0	0	0	0	138	0	155	118	139	0	175	120	148	0	162	135	137	0	152	120	0	0	0	0	0	
2100	46	0	41	0	84	0	83	0	0	0	0	0	154	0	184	121	154	0	209	109	166	0	193	139	156	0	185	136	0	0	0	0	0	
2200	64	0	49	0	106	0	96	0	0	0	0	0	208	0	248	160	208	0	265	96	211	0	241	188	199	0	216	175	0	0	0	0	0	
2300	104	0	102	0	149	0	160	0	0	0	0	0	245	0	273	218	242	0	271	209	248	0	268	234	235	0	257	218	0	0	0	0	0	
2400	77	0	74	0	131	0	138	0	0	0	0	0	253	0	284	229	249	0	288	219	256	0	264	250	242	0	254	230	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN
100	410	0	415	0	402	0	404	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
200	401	0	406	0	395	0	395	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
300	392	0	399	0	388	0	390	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
400	383	0	388	0	379	0	379	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
500	381	0	386	0	379	0	381	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
600	370	0	375	0	370	0	372	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
700	375	0	381	0	374	0	375	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
800	388	0	393	0	388	0	390	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
900	392	0	399	0	392	0	393	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1000	402	0	408	0	399	0	401	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1100	402	0	410	0	402	0	404	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1200	408	0	413	0	404	0	406	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1300	410	0	415	0	406	0	410	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1400	417	0	422	0	413	0	415	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1500	419	0	424	0	413	0	415	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1600	419	0	424	0	413	0	415	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1700	428	0	433	0	432	0	424	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1800	429	0	435	0	426	0	428	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1900	431	0	437	0	429	0	431	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
2000	431	0	437	0	431	0	433	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
2100	437	0	442	0	438	0	440	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
2200	442	0	447	0	446	0	447	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
2300	424	0	428	0	424	0	426	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
2400	404	0	410	0	408	0	410	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	73	0	68	0	112	0	116	0	0	0	0	0	237	0	271	184	236	0	266	165	235	0	261	174	222	0	246	169	0	0	0	0	0
200	73	0	58	0	109	0	100	0	0	0	0	0	220	0	249	177	219	0	257	175	218	0	240	199	206	0	230	179	0	0	0	0	0
300	80	0	67	0	114	0	106	0	0	0	0	0	223	0	256	176	221	0	266	188	219	0	245	200	206	0	229	189	0	0	0	0	0
400	57	0	44	0	85	0	77	0	0	0	0	0	215	0	263	143	211	0	264	101	211	0	248	189	198	0	226	176	0	0	0	0	0
500	78	0	63	0	113	0	104	0	0	0	0	0	218	0	254	172	218	0	267	174	215	0	238	182	203	0	224	181	0	0	0	0	0
600	85	0	68	0	121	0	107	0	0	0	0	0	218	0	252	168	218	0	261	164	210	0	238	183	199	0	221	176	0	0	0	0	0
700	74	0	59	0	105	0	99	0	0	0	0	0	216	0	256	143	217	0	265	135	216	0	244	183	203	0	232	173	0	0	0	0	0
800	82	0	67	0	102	0	96	0	0	0	0	0	225	0	284	184	222	0	265	175	218	0	274	182	206	0	249	169	0	0	0	0	0
900	59	0	52	0	79	0	80	0	0	0	0	0	238	0	305	197	237	0	326	180	229	0	290	191	216	0	270	187	0	0	0	0	0
1000	55	0	51	0	74	0	76	0	0	0	0	0	238	0	277	193	237	0	287	182	232	0	264	210	217	0	249	193	0	0	0	0	0
1100	74	0	72	0	106	0	93	0	0	0	0	0	245	0	268	215	243	0	277	214	239	0	256	215	226	0	245	187	0	0	0	0	0
1200	50	0	39	0	61	0	54	0	0	0	0	0	210	0	268	92	208	0	267	99	199	0	241	144	186	0	222	103	0	0	0	0	0
1300	65	0	59	0	86	0	69	0	0	0	0	0	240	0	291	180	239	0	310	180	237	0	278	190	223	0	262	174	0	0	0	0	0
1400	68	0	66	0	97	0	72	0	0	0	0	0	290	0	325	237	286	0	322	233	288	0	330	249	270	0	306	224	0	0	0	0	0
1500	56	0	53	0	89	0	65	0	0	0	0	0	252	0	299	202	248	0	282	182	253	0	279	212	240	0	266	202	0	0	0	0	0
1600	63	0	59	0	73	0	75	0	0	0	0	0	268	0	295	235	263	0	288	231	278	0	319	252	260	0	298	231	0	0	0	0	0
1700	117	0	116	0	139	0	148	0	0	0	0	0	264	0	280	236	261	0	287	227	269	0	278	258	255	0	262	246	0	0	0	0	0
1800	64	0	60	0	72	0	79	0	0	0	0	0	254	0	284	226	252	0	288	214	261	0	278	239	247	0	262	216	0	0	0	0	0
1900	68	0	66	0	87	0	93	0	0	0	0	0	259	0	288	239	257	0	306	222	274	0	295	251	258	0	289	238	0	0	0	0	0
2000	84	0	81	0	107	0	114	0	0	0	0	0	271	0	310	240	268	0	311	237	283	0	308	251	266	0	303	229	0	0	0	0	0
2100	76	0	71	0	93	0	98	0	0	0	0	0	261	0	300	235	257	0	317	223	270	0	301	251	255	0	281	234	0	0	0	0	0
2200	88	0	83	0	92	0	100	0	0	0	0	0	264	0	286	233	262	0	306	220	272	0	295	246	257	0	294	240	0	0	0	0	0
2300	103	0	104	0	164	0	165	0	0	0	0	0	261	0	288	235	259	0	284	226	262	0	284	245	247	0	258	224	0	0	0	0	0
2400	104	0	99	0	164	0	161	0	0	0	0	0	256	0	282	234	253	0	305	214	260	0	279	233	246	0	269	221	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAAM
100	402	0	408	0	402	0	404	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
200	402	0	408	0	404	0	404	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
300	397	0	401	0	395	0	397	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
400	395	0	401	0	393	0	395	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
500	388	0	393	0	388	0	390	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
600	386	0	392	0	384	0	384	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
700	381	0	388	0	381	0	384	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
800	386	0	392	0	381	0	384	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
900	393	0	399	0	386	0	388	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1000	392	0	397	0	389	0	386	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1100	386	0	392	0	381	0	383	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1200	419	0	424	0	401	0	401	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1300	406	0	411	0	397	0	399	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1400	401	0	406	0	393	0	397	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1500	411	0	417	0	415	0	417	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1600	408	0	413	0	399	0	401	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1700	393	0	399	0	390	0	392	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1800	406	0	411	0	399	0	401	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1900	392	0	397	0	390	0	392	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2000	395	0	401	0	395	0	397	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2100	390	0	395	0	390	0	392	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2200	386	0	392	0	383	0	384	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2300	383	0	390	0	379	0	381	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2400	383	0	390	0	379	0	381	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	

STAT[illegible]DE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = IN[illegible]D, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIRS	MIN	MAX	S	Wind Dire
100	141	0	142	0	170	0	181	0	0	0	0	0	266	0	287	244	263	0	296	232	265	0	286	247	250	0	264	232	0	0	0	0	U
200	114	0	113	0	148	0	158	0	0	0	0	0	269	0	283	243	261	0	301	231	265	0	284	239	251	0	260	233	0	0	0	0	U
300	103	0	98	0	115	0	121	0	0	0	0	0	280	0	331	252	274	0	318	225	283	0	313	225	267	0	301	212	0	0	0	0	U
400	112	0	109	0	130	0	140	0	0	0	0	0	290	0	315	244	283	0	317	236	290	0	324	241	272	0	310	226	0	0	0	0	U
500	118	0	112	0	145	0	152	0	0	0	0	0	296	0	316	278	291	0	311	266	304	0	315	292	284	0	291	272	0	0	0	0	U
600	92	0	87	0	109	0	117	0	0	0	0	0	287	0	317	255	281	0	311	220	289	0	324	256	273	0	304	228	0	0	0	0	U
700	139	0	121	0	154	0	161	0	0	0	0	0	295	0	316	275	290	0	310	242	302	0	312	278	283	0	292	266	0	0	0	0	U
800	127	0	127	0	159	0	164	0	0	0	0	0	304	0	321	281	299	0	326	258	310	0	316	298	290	0	298	275	0	0	0	0	U
900	131	0	122	0	157	0	169	0	0	0	0	0	298	0	317	280	291	0	315	264	305	0	318	295	285	0	294	270	0	0	0	0	U
1000	112	0	101	0	140	0	145	0	0	0	0	0	298	0	322	277	292	0	318	265	306	0	316	296	286	0	295	278	0	0	0	0	U
1100	125	0	121	0	143	0	146	0	0	0	0	0	309	0	325	284	302	0	321	264	317	0	329	307	296	0	317	283	0	0	0	0	U
1200	127	0	121	0	145	0	150	0	0	0	0	0	307	0	326	285	301	0	321	273	314	0	326	307	293	0	304	286	0	0	0	0	U
1300	116	0	115	0	143	0	155	0	0	0	0	0	315	0	346	285	307	0	340	264	327	0	346	313	306	0	323	287	0	0	0	0	U
1400	123	0	119	0	151	0	151	0	0	0	0	0	310	0	335	286	302	0	345	266	322	0	345	306	302	0	329	289	0	0	0	0	U
1500	100	0	94	0	119	0	119	0	0	0	0	0	311	0	341	277	303		345	266	326	0	2	300	307	0	342	289	0	0	0	0	U
1600	98	0	92	0	131	0	112	0	0	0	0	0	332	0	7	281	324	0	15	270	335	0	31	271	316	0	31	273	0	0	0	0	U
1700	80	0	79	0	110	0	112	0	0	0	0	0	327	0	2	294	321	0	13	270	333	0	358	295	315	0	343	281	0	0	0	0	U
1800	57	0	51	0	69	0	70	0	0	0	0	0	23	0	56	333	20	0	82	317	12	0	61	346	356	0	60	320	0	0	0	0	U
1900	43	0	39	0	48	0	50	0	0	0	0	0	42	0	72	16	46	0	87	0	41	0	75	14	23	0	67	353	0	0	0	0	U
2000	21	0	16	0	30	0	23	0	0	0	0	0	135	0	183	91	137	3	180	91	85	3	96	72	70	3	85	54	0	0	0	0	U
2100	0	4	43	2	31	0	14	0	0	0	0	0	17	3	89	330	35	0	81	311	10	3	27	331	351	3	19	313	0	0	0	0	U
2200	29	0	25	0	36	0	31	0	0	0	0	0	86	3	115	60	85	3	130	58	48	3	67	29	32	0	50	14	0	0	0	0	U
2300	21	0	17	0	35	0	40	0	0	0	0	0	72	3	88	48	75	3	87	59	45	0	57	32	28	0	42	17	0	0	0	0	U
2400	35	0	32	0	47	0	50	0	0	0	0	0	59	0	67	40	65	0	85	36	44	0	53	29	27	0	37	14	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	379	0	383	0	374	0	375	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
200	374	0	379	0	368	0	368	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
300	366	0	372	0	363	0	365	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
400	361	0	366	0	356	0	357	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
500	361	0	366	0	356	0	357	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
600	368	0	374	0	365	0	366	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
700	368	0	374	0	365	0	366	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
800	369	0	375	0	365	0	366	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
900	366	0	372	0	365	0	366	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1000	366	0	372	0	361	0	361	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1100	370	0	374	0	365	0	366	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1200	372	0	377	0	366	0	366	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1300	374	0	379	0	366	0	368	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1400	377	0	383	0	366	0	368	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1500	381	0	386	0	370	00	372	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1600	374	0	379	0	366	0	368	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1700	374	0	379	0	366	0	368	0	320	0	320	0	-9	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1800	374	0	379	0	366	0	368	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1900	372	0	377	0	366	0	368	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2000	356	0	365	0	353	0	365	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2100	320	0	325	0	343	0	345	0	320	0	320	0	18	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2200	341	0	348	0	354	0	356	0	320	0	320	0	7	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2300	347	0	356	0	352	0	354	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2400	336	0	341	0	342	0	354	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIRS	MIN	MAX	S	WIND DIR6
100	40	0	33	0	62	0	62	0	0	0	0	0	28	0	36	17	26	0	40	6	28	0	41	18	11	0	25	0	0	0	0	0	0
200	40	0	41	0	61	0	62	0	0	0	0	0	28	0	52	7	26	0	81	356	33	0	50	18	17	0	35	351	0	0	0	0	0
300	45	0	37	0	48	0	49	0	0	0	0	0	22	0	38	2	17	0	35	356	26	0	61	6	10	0	47	346	0	0	0	0	0
400	43	0	39	0	39	0	71	0	0	0	0	0	47	0	62	33	59	0	85	4	52	0	58	43	36	0	45	26	0	0	0	0	0
500	58	0	62	0	91	0	101	0	0	0	0	0	69	0	75	65	67	0	80	62	71	0	75	66	56	0	60	53	0	0	0	0	0
600	75	0	68	0	134	0	128	0	0	0	0	0	79	0	86	73	78	0	88	68	78	0	84	73	63	0	68	59	0	0	0	0	0
700	95	0	88	0	170	0	165	0	0	0	0	0	80	0	105	72	86	0	118	70	85	0	88	80	71	0	74	66	0	0	0	0	0
800	96	0	88	0	138	0	123	0	0	0	0	0	114	0	138	98	115	0	136	90	112	0	128	97	99	0	113	85	0	0	0	0	0
900	75	0	76	0	94	0	98	0	0	0	0	0	129	0	163	10	134	0	168	110	142	0	173	122	131	0	174	102	0	0	0	0	0
1000	126	0	124	0	142	0	152	0	0	0	0	0	124	0	148	95	126	0	151	97	131	0	168	110	121	0	150	98	0	0	0	0	0
1100	111	0	109	0	166	0	174	0	0	0	0	0	142	0	181	112	143	0	186	104	149	0	178	108	139	0	167	101	0	0	0	0	0
1200	155	0	154	0	234	0	231	0	0	0	0	0	141	0	193	119	142	0	191	100	146	0	166	127	137	0	157	118	0	0	0	0	0
1300	131	0	133	0	191	0	198	0	0	0	0	0	140	0	183	99	143	0	185	96	147	0	173	115	138	0	165	109	0	0	0	0	0
1400	173	0	173	0	247	0	230	0	0	0	0	0	125	0	163	104	128	0	172	94	132	0	162	111	123	0	146	107	0	0	0	0	0
1500	166	0	168	0	242	0	247	0	0	0	0	0	135	0	158	110	137	0	171	114	140	0	162	107	130	0	147	93	0	0	0	0	0
1600	200	0	199	0	267	0	276	0	0	0	0	0	130	0	148	112	132	0	171	100	136	0	157	117	127	0	152	105	0	0	0	0	0
1700	224	0	225	0	293	0	309	0	0	0	0	0	126	0	151	111	129	0	171	92	131	0	162	109	123	0	152	107	0	0	0	0	0
1800	196	0	196	0	245	0	258	0	0	0	0	0	126	0	143	106	129	0	149	95	132	0	147	118	124	0	136	107	0	0	0	0	0
1900	209	0	208	0	260	0	275	0	0	0	0	0	123	0	141	104	126	0	161	97	130	0	147	113	122	0	143	96	0	0	0	0	0
2000	170	0	175	0	214	0	255	0	0	0	0	0	133	0	153	115	137	0	172	110	141	0	159	128	130	0	143	113	0	0	0	0	0
2100	155	0	158	0	231	0	227	0	0	0	0	0	131	0	143	116	132	0	159	96	137	0	157	120	126	0	141	108	0	0	0	0	0
2200	190	0	200	0	278	0	284	0	0	0	0	0	131	0	155	116	134	0	170	112	138	0	157	115	128	0	146	102	0	0	0	0	0
2300	217	0	229	0	302	0	307	0	0	0	0	0	130	0	153	114	133	0	165	117	135	0	151	115	127	0	150	109	0	0	0	00	0
2400	197	0	199	0	206	0	291	0	0	0	0	0	128	0	144	104	130	0	153	101	134	0	151	110	126	0	154	101	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	345	0	352	0	396	0	357	0	320	0	320	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	348	0	356	0	396	0	357	0	320	0	320	0	3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	348	0	356	0	392	0	354	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	339	0	345	0	345	0	348	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	330	0	336	0	382	0	354	0	320	0	320	0	18	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	321	0	327	0	350	0	352	0	320	0	320	0	25	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	309	0	314	0	342	0	354	0	320	0	320	0	36	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	330	0	336	0	330	0	332	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	308	0	393	0	372	0	372	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	417	0	422	0	406	0	408	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	462	0	465	0	437	0	438	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	485	0	489	0	460	0	462	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	514	0	518	0	487	0	489	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	521	0	525	0	501	0	501	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	527	0	532	0	509	0	510	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	532	0	537	0	518	0	519	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	532	0	536	0	519	0	519	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	528	0	532	0	519	0	519	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	519	0	525	0	514	0	514	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	512	0	518	0	507	0	509	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	509	0	514	0	505	0	505	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	498	0	501	0	492	0	494	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	471	0	474	0	467	0	467	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	[illegible]	0	471	0	462	0	464	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STAT[illegible]DOC(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = IN[illegible]ID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION...
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	MIN	MAX	WIND DIR3 150A	MIN	MAX	WIND DIR4 150B	MIN	MAX	WIND DIR5	MIN	MAX	S	WIND
100	193	0	194	0	273	0	283	0	0	0	0	0	132	0	160	117	136	0	180	109	139	0	159	120	130	0	153	111	0	0	0	0	0	U
200	153	0	158	0	249	0	255	0	0	0	0	0	138	0	157	118	140	0	169	118	146	0	166	131	137	0	153	122	0	0	0	0	0	U
300	178	0	181	0	246	0	254	0	0	0	0	0	130	0	146	111	133	0	163	115	137	0	155	123	128	0	142	118	0	0	0	0	0	U
400	170	0	167	0	233	0	235	0	0	0	0	0	125	0	141	104	128	0	159	100	133	0	150	111	125	0	144	106	0	0	0	0	0	U
500	167	0	171	0	257	0	263	0	0	0	0	0	138	0	156	118	140	0	169	120	148	0	165	130	138	0	152	122	0	0	0	0	0	U
600	217	0	216	0	333	0	345	0	0	0	0	0	138	0	161	121	141	0	174	86	145	0	166	128	136	0	153	117	0	0	0	0	0	U
700	160	0	164	0	259	0	266	0	0	0	0	0	143	0	176	121	145	0	182	100	165	0	173	139	145	0	170	130	0	0	0	0	0	U
800	151	0	150	0	238	0	243	0	0	0	0	0	151	0	200	117	153	0	206	96	163	0	187	135	154	0	191	120	0	0	0	0	0	U
900	119	0	113	0	197	0	190	0	0	0	0	0	159	0	245	102	160	0	255	95	165	0	200	128	156	0	186	120	0	0	0	0	0	U
1000	110	0	109	0	182	0	175	0	0	0	0	0	158	0	238	96	160	0	237	92	169	0	218	143	157	0	199	129	0	0	0	0	0	U
1100	141	0	140	0	237	0	233	0	0	0	0	0	157	0	189	123	158	0	212	100	166	0	189	133	157	0	198	125	0	0	0	0	0	U
1200	137	0	128	0	231	0	201	0	0	0	0	0	164	0	208	129	170	0	255	119	170	0	205	139	160	0	203	130	0	0	0	0	0	U
1300	95	0	81	0	168	0	149	0	0	0	0	0	184	0	258	114	185	0	255	96	189	0	253	158	177	0	216	133	0	0	0	0	0	U
1400	72	0	58	0	114	0	100	0	0	0	0	0	201	0	269	98	200	0	269	90	195	0	247	143	185	0	237	136	0	0	0	0	0	U
1500	68	0	57	0	131	0	109	0	0	0	0	0	172	0	230	94	171	0	232	90	186	0	224	142	177	0	217	113	0	0	0	0	0	U
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	U
1700	94	0	89	0	146	0	130	0	0	0	0	0	175	0	261	104	173	0	231	126	180	0	205	154	169	0	213	140	0	0	0	0	0	U
1800	109	0	103	0	193	0	173	0	0	0	0	0	167	0	246	119	166	0	235	103	178	0	198	150	167	0	198	142	0	0	0	0	0	U
1900	98	0	82	0	174	0	151	0	0	0	0	0	174	0	233	139	177	0	252	101	182	0	210	158	171	0	198	146	0	0	0	0	0	U
2000	109	0	96	0	198	0	176	0	0	0	0	0	172	0	237	133	176	0	238	117	179	0	258	139	169	0	195	149	0	0	0	0	0	U
2100	108	0	101	0	237	0	189	0	0	0	0	0	168	0	247	105	166	0	230	92	180	0	209	155	170	0	191	146	0	0	0	0	0	U
2200	125	0	121	0	205	0	207	0	0	0	0	0	154	0	201	127	154	0	210	119	165	0	187	142	153	0	183	122	0	0	0	0	0	U
2300	137	0	136	0	230	0	217	0	0	0	0	0	152	0	191	115	154	0	215	119	164	0	189	141	154	0	175	132	0	0	0	0	0	U
2400	159	0	146	0	241	0	257	0	0	0	0	0	162	0	202	119	162	0	227	96	174	0	232	141	165	0	199	130	0	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	465	0	469	0	462	0	462	0	320	0	320	0	-3	0		-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	U
200	456	0	460	0	455	0	456	0	320	0	320	0	1	0		-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
300	446	0	453	0	444	0	446	0	320	0	320	0	1	0		-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
400	451	0	456	0	447	0	449	0	320	0	320	0	-3	0		-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
500	442	0	449	0	442	0	444	0	320	0	320	0	-1	0		-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
600	446	0	451	0	444	0	446	0	320	0	320	0	1	0		-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
700	453	0	458	0	455	0	456	0	320	0	320	0	1	0		-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
800	480	0	485	0	479	0	479	0	320	0	320	0	-7	0		-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
900	518	0	523	0	498	0	498	0	320	0	320	0	-19	0		-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1000	545	0	548	0	523	0	523	0	320	0	320	0	-21	0		-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1100	568	0	572	0	543	0	543	0	320	0	320	0	-23	0		-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1200	608	0	611	0	577	0	577	0	320	0	320	0	-28	0		-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1300	602	0	608	0	586	0	586	0	320	0	320	0	-12	0		-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1400	627	0	633	0	613	0	613	0	320	0	320	0	-12	0		-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1500	642	0	647	0	622	0	624	0	320	0	320	0	-12	0		-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2		0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	N
1700	635	0	640	0	637	0	618	0	320	0	320	0	-7	0		-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1800	573	0	577	0	563	0	564	0	320	0	320	0	-1	0		-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
1900	546	0	550	0	536	0	537	0	320	0	320	0	-1	0		-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2000	539	0	534	0	521	0	523	0	320	0	320	0	-1	0		-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2100	527	0	532	0	521	0	523	0	320	0	320	0	1	0		-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2200	523	0	527	0	519	0	519	0	320	0	320	0	-1	0		-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2300	534	0	539	0	530	0	530	0	320	0	320	0	1	0		-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U
2400	550	0	555	0	548	0	548	0	320	0	320	0	0	0		-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION .
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIRS	MIN	MAX	S	WIND DIRG
100	161	0	162	0	249	0	251	0	0	0	0	0	158	0	206	121	159	0	209	103	171	0	195	140	161	0	205	130	0	0	0	0	
200	181	0	187	0	281	0	289	0	0	0	0	0	151	0	188	124	154	0	186	118	161	0	193	128	152	0	177	132	0	0	0	0	
300	139	0	143	0	248	0	242	0	0	0	0	0	153	0	208	120	158	0	235	96	164	0	192	140	156	0	184	136	0	0	0	0	
400	156	0	158	0	251	0	251	0	0	0	0	0	154	0	190	110	154	0	198	90	165	0	192	136	155	0	178	126	0	0	0	0	
500	149	0	135	0	264	0	230	0	0	0	0	0	172	0	241	94	170	0	250	93	182	0	223	154	171	0	199	150	0	0	0	0	
600	215	0	206	0	334	0	330	0	0	0	0	0	246	0	281	208	243	0	275	210	246	0	264	194	232	0	247	184	0	0	0	0	
700	176	0	175	0	253	0	268	0	0	0	0	0	245	0	265	219	244	0	281	206	249	0	258	212	228	0	246	199	0	0	0	0	
800	120	0	100	0	168	0	165	0	0	0	0	0	228	0	263	194	226	0	281	184	227	0	263	194	213	0	236	181	0	0	0	0	
900	149	0	135	0	202	0	204	0	0	0	0	0	231	0	269	202	229	0	277	182	231	0	266	193	217	0	245	186	0	0	0	0	
1000	161	0	133	0	209	0	201	0	0	0	0	0	227	0	265	193	225	0	276	185	221	0	257	196	210	0	244	182	0	0	0	0	
1100	202	0	185	0	274	0	280	0	0	0	0	0	233	0	258	202	232	0	267	183	230	0	261	191	217	0	242	177	0	0	0	0	
1200	219	0	209	0	300	0	313	0	0	0	0	0	238	0	259	217	236	0	261	200	236	0	263	197	222	0	247	192	0	0	0	0	
1300	224	0	189	0	330	0	306	0	0	0	0	0	222	0	263	192	222	0	264	166	222	0	263	195	210	0	241	178	0	0	0	0	
1400	215	0	204	0	297	0	294	0	0	0	0	0	236	0	269	194	235	0	292	158	231	0	266	179	219	0	256	187	0	0	0	0	
1500	227	0	222	0	318	0	323	0	0	0	0	0	237	0	262	204	236	0	269	175	235	0	259	207	220	0	247	187	0	0	0	0	
1600	174	0	155	0	248	0	296	0	0	0	0	0	232	0	266	201	231	0	278	183	233	0	292	201	216	0	248	181	0	0	0	0	
1700	234	0	221	0	330	0	345	0	0	0	0	0	241	0	270	209	238	0	279	205	236	0	266	207	222	0	248	191	0	0	0	0	
1800	324	0	317	0	448	0	470	0	0	0	0	0	249	0	270	230	245	0	283	204	253	0	262	239	237	0	249	229	0	0	0	0	
1900	270	0	258	0	367	0	389	0	0	0	0	0	250	0	275	232	248	0	284	208	255	0	280	244	239	0	266	229	0	0	0	0	
2000	227	0	0	2	304	0	0	2	0	2	0	2	248	0	274	267	0	2	0	0	261	0	241	279	0	2	0	0	0	2	0	0	
2100	252	0	0	2	375	0	0	2	0	2	0	2	253	0	237	268	0	2	0	0	268	0	232	291	0	2	0	0	0	2	0	0	
2200	273	0	0	2	338	0	0	2	0	2	0	2	255	0	241	269	0	2	0	0	259	0	227	288	0	2	0	0	0	2	0	0	
2300	242	0	0	2	199	0	0	2	0	2	0	2	246	0	230	259	0	2	0	0	267	0	242	285	0	2	0	0	0	2	0	0	
2400	282	0	0	2	375	0	0	2	0	2	0	2	253	0	242	262	0	2	0	0	266	0	241	286	0	2	0	0	0	2	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	543	0	548	0	541	0	541	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
200	545	0	550	0	543	0	543	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
300	550	0	555	0	545	0	546	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
400	545	0	550	0	541	0	543	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
500	559	0	564	0	547	0	559	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
600	503	0	507	0	498	0	500	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
700	455	0	460	0	456	0	456	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
800	467	0	473	0	465	0	465	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
900	467	0	471	0	464	0	464	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1000	491	0	496	0	483	0	483	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1100	478	0	483	0	469	0	469	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1200	440	0	446	0	439	0	431	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1300	442	0	447	0	436	0	428	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1400	419	0	426	0	431	0	413	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1500	411	0	417	0	402	0	404	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1600	415	0	420	0	406	0	408	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1700	415	0	420	0	408	0	408	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1800	390	0	395	0	381	0	383	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1900	384	0	390	0	377	0	379	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2000	377	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2100	366	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2200	366	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2300	352	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2400	[illegible]		0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	234	0	0	2	342	0	0	2	0	2	0	2	253	0	239	270	0	2	0	0	266	0	246	285	0	2	0	0	0	2	0	0	U	
200	205	0	0	2	332	0	0	2	0	2	0	2	269	0	242	295	0	2	0	0	276	0	258	294	0	2	0	0	0	2	0	0	U	
300	100	0	0	2	282	0	0	2	0	2	0	2	264	0	239	281	0	2	0	0	286	0	254	321	0	2	0	0	0	2	0	0	U	
400	165	0	0	2	283	0	0	2	0	2	0	2	261	0	245	279	0	2	0	0	293	0	259	335	0	2	0	0	0	2	0	0	U	
500	165	0	0	2	283	0	0	2	0	2	0	2	260	0	239	276	0	2	0	0	294	0	260	323	0	2	0	0	0	2	0	0	U	
600	146	0	0	2	283	0	0	2	0	2	0	2	258	0	240	275	0	2	0	0	286	0	250	314	0	2	0	0	0	2	0	0	U	
700	144	0	0	2	106	0	0	2	0	2	0	2	251	0	239	269	0	2	0	0	286	0	248	322	0	2	0	0	0	2	0	0	U	
800	125	0	0	2	177	0	0	2	0	2	0	2	264	0	239	297	0	2	0	0	279	0	244	314	0	2	0	0	0	2	0	0	U	
900	125	0	0	2	104	0	0	2	0	2	0	2	262	0	243	285	0	2	0	0	284	0	250	321	0	2	0	0	0	2	0	0	U	
1000	123	0	0	2	104	0	0	2	0	2	0	2	268	0	242	296	0	2	0	0	297	0	264	334	0	2	0	0	0	2	0	0	U	
1100	119	0	0	2	182	0	0	2	0	2	0	2	266	0	237	296	0	2	0	0	287	0	252	322	0	2	0	0	0	2	0	0	U	
1200	77	0	0	2	127	0	0	2	0	2	0	2	271	0	245	304	0	2	0	0	294	0	257	331	0	2	0	0	0	2	0	0	U	
1300	109	0	0	2	146	0	0	2	0	2	0	2	272	0	250	299	0	2	0	0	299	0	285	323	0	2	0	0	0	2	0	0	U	
1400	69	0	0	2	133	0	0	2	0	2	0	2	284	0	264	300	0	2	0	0	312	0	296	323	0	2	0	0	0	2	0	0	U	
1500	55	0	0	2	96	0	0	2	0	2	0	2	289	0	268	313	0	2	0	0	303	0	270	329	0	2	0	0	0	2	0	0	U	
1600	33	0	0	2	115	0	0	2	0	2	0	2	263	0	225	297	0	2	0	0	277	0	249	311	0	2	0	0	0	2	0	0	U	
1700	113	0	0	2	115	0	0	2	0	2	0	2	260	0	235	279	0	2	0	0	294	0	271	323	0	2	0	0	0	2	0	0	U	
1800	84	0	0	2	96	0	0	2	0	2	0	2	251	0	228	267	0	2	0	0	281	0	246	313	0	2	0	0	0	2	0	0	U	
1900	50	0	0	2	115	0	0	2	0	2	0	2	268	0	235	297	0	2	0	0	309	0	287	322	0	2	0	0	0	2	0	0	U	
2000	30	0	0	2	98	0	0	2	0	2	0	2	261	0	223	298	0	2	0	0	264	0	248	281	0	2	0	0	0	2	0	0	U	
2100	42	0	0	2	98	0	0	2	0	2	0	2	240	0	217	272	0	2	0	0	277	0	254	303	0	2	0	0	0	2	0	0	U	
2200	42	0	0	2	117	0	0	2	0	2	0	2	263	0	231	289	0	2	0	0	289	0	254	327	0	2	0	0	0	2	0	0	U	
2300	144	0	0	2	177	0	0	2	0	2	0	2	302	0	281	321	0	2	0	0	287	0	245	326	0	2	0	0	0	2	0	0	U	
2400	100	0	0	2	135	0	0	2	0	2	0	2	276	0	253	300	0	2	0	0	315	0	300	335	0	2	0	0	0	2	0	0	U	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN
100	352	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
200	343	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
300	332	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
400	343	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
500	332	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
600	332	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
700	332	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
800	321	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
900	321	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1000	332	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1100	343	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1200	363	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1300	374	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1400	386	0	0	2	0	2	0	2	0	2	0	2	-36	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1500	386	0	0	2	0	2	0	2	0	2	0	2	-32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1600	356	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1700	374	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1800	363	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1900	363	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2000	374	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2100	374	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2200	374	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2300	356	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2400	366	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 ...

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX DIR3 150A	S	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	57	0	0	2	134	0	0	2	0	2	0	2	298	0	271	323	0	2	0	0	11	0	334	37	0	2	0	0	0	2	0	0	0
200	71	0	0	2	107	0	0	2	0	2	0	2	20	0	1	36	0	2	0	0	17	0	351	41	0	2	0	0	0	2	0	0	0
300	32	0	0	2	94	0	0	2	0	2	0	2	350	0	311	27	0	2	0	0	11	0	335	42	0	2	0	0	0	2	0	0	0
400	48	0	0	2	119	0	0	2	0	2	0	2	335	0	312	351	0	2	0	0	354	0	332	11	0	2	0	0	0	2	0	0	0
500	48	0	0	2	86	0	0	2	0	2	0	2	331	0	300	357	0	2	0	0	356	0	325	15	0	2	0	0	0	2	0	0	0
600	19	0	0	2	59	0	0	2	0	2	0	2	349	0	322	9	0	2	0	0	359	0	317	37	0	2	0	0	0	2	0	0	0
700	19	0	0	2	32	0	0	2	0	2	0	2	322	0	304	340	0	2	0	0	321	0	290	349	0	2	0	0	0	2	0	0	0
800	0	0	0	2	42	0	0	2	0	2	0	2	159	0	111	203	0	2	0	0	243	0	189	293	0	2	0	0	0	2	0	0	0
900	13	0	0	2	71	0	0	2	0	2	0	2	242	0	189	299	0	2	0	0	252	0	219	279	0	2	0	0	0	2	0	0	0
1000	32	0	0	2	92	0	0	2	0	2	0	2	239	0	223	259	0	2	0	0	264	0	240	287	0	2	0	0	0	2	0	0	0
1100	57	0	0	2	90	0	0	2	0	2	0	2	254	0	235	276	0	2	0	0	281	0	245	321	0	2	0	0	0	2	0	0	0
1200	38	0	0	2	94	0	0	2	0	2	0	2	252	0	219	293	0	2	0	0	288	0	237	334	0	2	0	0	0	2	0	0	0
1300	34	0	0	2	77	0	0	2	0	2	0	2	266	0	232	304	0	2	0	0	329	0	304	5	0	2	0	0	0	2	0	0	0
1400	34	0	0	2	102	0	0	2	0	2	0	2	286	0	259	320	0	2	0	0	313	0	279	349	0	2	0	0	0	2	0	0	0
1500	42	0	0	2	96	0	0	2	0	2	0	2	287	0	267	311	0	2	0	0	352	0	331	12	0	2	0	0	0	2	0	0	0
1600	27	0	0	2	69	0	0	2	0	2	0	2	293	0	260	318	0	2	0	0	59	0	30	91	0	2	0	0	0	2	0	0	0
1700	25	0	0	2	48	0	0	2	0	2	0	2	349	0	302	37	0	2	0	0	281	0	243	330	0	2	0	0	0	2	0	0	0
1800	30	0	0	2	77	0	0	2	0	2	0	2	326	0	299	351	0	2	0	0	3	0	340	38	0	2	0	0	0	2	0	0	0
1900	59	0	0	2	75	0	0	2	0	2	0	2	246	0	212	282	0	2	0	0	41	0	21	69	0	2	0	0	0	2	0	0	0
2000	32	0	0	2	92	0	0	2	0	2	0	2	340	0	296	26	0	2	0	0	21	0	359	42	0	2	0	0	0	2	0	0	0
2100	27	0	0	2	107	0	0	2	0	2	0	2	23	0	359	53	0	2	0	0	16	0	348	38	0	2	0	0	0	2	0	0	0
2200	32	0	0	2	105	0	0	2	0	2	0	2	353	0	314	27	0	2	0	0	12	0	342	43	0	2	0	0	0	2	0	0	0
2300	40	0	0	2	213	0	0	2	0	2	0	2	25	0	12	44	0	2	0	0	21	0	350	47	0	2	0	0	0	2	0	0	0
2400	123	0	0	2	230	0	0	2	0	2	0	2	356	0	342	25	0	2	0	0	27	0	348	57	0	2	0	0	0	2	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	366	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	347	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	339	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	347	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	332	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	332	0	0	2	0	2	0	2	0	2	0	2	7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	332	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	363	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	374	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	386	0	0	2	0	2	0	2	0	2	0	2	9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	404	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	404	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	428	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	420	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	390	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	403	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	420	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	397	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	325	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	325	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	325	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	325	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	325	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	326	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	S
100	123	0	0	2	283	0	0	2	0	2	0	2	7	0	342	25	0
200	157	0	0	2	239	0	0	2	0	2	0	2	7	0	342	25	0
300	149	0	0	2	11	0	0	2	0	2	0	2	10	0	345	32	0
400	157	0	0	2	205	0	0	2	0	2	0	2	11	0	352	33	0
500	130	0	0	2	184	0	0	2	0	2	0	2	9	0	342	32	0
600	130	0	0	2	196	0	0	2	0	2	0	2	5	0	339	33	0
700	119	0	0	2	188	0	0	2	0	2	0	2	349	0	317	25	0
800	117	0	0	2	189	0	0	2	0	2	0	2	348	0	318	30	0
900	96	0	0	2	146	0	0	2	0	2	0	2	356	0	329	21	0
1000	107	0	0	2	132	0	0	2	0	2	0	2	338	0	305	8	0
1100	94	0	0	2	132	0	0	2	0	2	0	2	336	0	298	11	0
1200	107	0	0	2	197	0	0	2	0	2	0	2	315	0	281	350	0
1300	88	0	0	2	178	0	0	2	0	2	0	2	308	0	287	336	0
1400	82	0	0	2	130	0	0	2	0	2	0	2	329	0	297	357	0
1500	67	0	0	2	136	0	0	2	0	2	0	2	330	0	299	353	0
1600	75	0	0	2	136	0	0	2	0	2	0	2	326	0	298	358	0
1700	82	0	0	2	137	0	0	2	0	2	0	2	321	0	281	350	0
1800	80	0	0	2	142	0	0	2	0	2	0	2	348	0	309	18	0
1900	67	0	0	2	159	0	0	2	0	2	0	2	342	0	311	18	0
2000	71	0	0	2	159	0	0	2	0	2	0	2	348	0	312	30	0
2100	82	0	0	2	180	0	0	2	0	2	0	2	348	0	308	32	0
2200	69	0	0	2	135	0	0	2	0	2	0	2	351	0	320	21	0
2300	69	0	0	2	140	0	0	2	0	2	0	2	359	0	318	33	0
2400	77	0	0	2	98	0	0	2	0	2	0	2	356	0	333	28	0

	WIND DIR3 MIN	MAX	S	WIND DIR4 MIN	MAX	S	WIND DIR5 MIN	MAX	S	WIND DIR6 MIN	MAX	S
100	2	0	0	29	0	356	62	0	2	0	0	0
200	2	0	0	19	0	352	48	0	2	0	0	0
300	2	0	0	11	0	343	46	0	2	0	0	0
400	2	0	0	14	0	338	43	0	2	0	0	0
500	2	0	0	6	0	334	28	0	2	0	0	0
600	2	0	0	10	0	336	39	0	2	0	0	0
700	2	0	0	357	0	317	38	0	2	0	0	0
800	2	0	0	342	0	311	12	0	2	0	0	0
900	2	0	0	348	0	326	8	0	2	0	0	0
1000	2	0	0	359	0	331	30	0	2	0	0	0
1100	2	0	0	1	0	333	24	0	2	0	0	0
1200	2	0	0	357	0	329	29	0	2	0	0	0
1300	2	0	0	8	0	330	38	0	2	0	0	0
1400	2	0	0	8	0	323	54	0	2	0	0	0
1500	2	0	0	11	0	320	57	0	2	0	0	0
1600	2	0	0	15	0	336	45	0	2	0	0	0
1700	2	0	0	7	0	327	30	0	2	0	0	0
1800	2	0	0	12	0	339	52	0	2	0	0	0
1900	2	0	0	9	0	340	42	0	2	0	0	0
2000	2	0	0	17	0	342	50	0	2	0	0	0
2100	2	0	0	26	0	354	59	0	2	0	0	0
2200	2	0	0	32	0	353	71	0	2	0	0	0
2300	2	0	0	37	0	0	78	0	2	0	0	0
2400	2	0	0	64	0	35	90	0	2	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 100A	S	AMB. TEM4 100B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 100A	S	D.T. 2 100B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	336	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
200	319	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
300	302	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
400	292	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
500	292	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
600	292	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
700	288	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
800	292	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
900	279	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1000	279	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1100	283	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1200	286	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1300	299	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1400	302	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1500	310	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1600	310	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1700	299	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1800	288	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
1900	288	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
2000	288	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
2100	289	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
2200	292	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
2300	292	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		
2400	292	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, S =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	86	00	0	2	84	0	0	2	0	2	0	2	358	0	332	25	0	2	0	0	69	0	98	93	0	2	0	0	0	2	0	0	U
200	86	0	0	2	84	0	0	2	0	2	0	2	20	0	354	39	0	2	0	0	70	0	93	93	0	2	0	0	0	2	0	U	U
300	61	0	0	2	190	0	0	2	0	2	0	2	27	0	347	66	0	2	0	0	54	0	8	98	0	2	0	0	0	2	0	U	U
400	98	0	0	2	198	0	0	2	0	2	0	2	27	0	348	77	0	2	0	0	27	0	357	54	0	2	0	0	0	2	0	U	U
500	38	0	0	2	180	0	0	2	0	2	0	2	45	0	21	61	0	2	0	0	29	0	350	63	0	2	0	0	0	2	0	U	U
600	30	0	0	2	192	0	0	2	0	2	0	2	59	0	26	70	0	2	0	0	17	0	342	42	0	2	0	0	0	2	0	U	U
700	73	0	0	2	185	0	0	2	0	2	0	2	38	0	10	68	0	2	0	0	28	0	347	60	0	2	0	0	0	2	0	U	U
800	115	0	0	2	192	0	0	2	0	2	0	2	10	0	348	32	0	2	0	0	25	0	352	59	0	2	0	0	0	2	0	U	U
900	107	0	0	2	184	0	0	2	0	2	0	2	9	0	345	36	0	2	0	0	24	0	351	61	0	2	0	0	0	2	0	U	U
1000	73	0	0	2	180	0	0	2	0	2	0	2	33	0	358	55	0	2	0	0	26	0	351	63	0	2	0	0	0	2	0	0	U
1100	88	0	0	2	242	0	0	2	0	2	0	2	358	0	323	30	0	2	0	0	18	0	347	60	0	2	0	0	0	2	0	U	U
1200	90	0	0	2	242	0	0	2	0	2	0	2	9	0	336	32	0	2	0	0	23	0	334	52	0	2	0	0	0	2	0	U	U
1300	105	0	0	2	248	0	0	2	0	2	0	2	3	0	325	27	0	2	0	0	18	0	345	54	0	2	0	0	0	2	0	U	U
1400	140	0	0	2	259	0	0	2	0	2	0	2	0	0	333	27	0	2	0	0	10	0	333	42	0	2	0	0	0	2	0	U	U
1500	148	0	0	2	234	0	0	2	0	2	0	2	352	0	309	29	0	2	0	0	8	0	330	42	0	2	0	0	0	2	0	U	U
1600	149	0	0	2	239	0	0	2	0	2	0	2	342	0	311	17	0	2	0	0	12	0	331	45	0	2	0	0	0	2	0	U	U
1700	157	0	0	2	235	0	0	2	0	2	0	2	340	0	307	15	0	2	0	0	7	0	339	44	0	2	0	0	0	2	0	U	U
1800	142	0	0	2	235	0	0	2	0	2	0	2	350	0	316	21	0	2	0	0	9	0	326	45	0	2	0	0	0	2	0	U	U
1900	139	0	0	2	235	0	0	2	0	2	0	2	356	0	314	21	0	2	0	0	8	0	331	50	0	2	0	0	0	2	0	U	U
2000	125	0	0	2	202	0	0	2	0	2	0	2	356	0	317	28	0	2	0	0	26	0	350	64	0	2	0	0	0	2	0	U	U
2100	134	0	0	2	190	0	0	2	0	2	0	2	2	0	338	21	0	2	0	0	29	0	1	57	0	2	0	0	0	2	0	U	U
2200	99	0	0	2	192	0	0	2	0	2	0	2	8	0	350	29	0	2	0	0	35	0	6	63	0	2	0	0	0	2	0	U	U
2300	80	0	0	2	180	0	0	2	0	2	0	2	11	0	347	27	0	2	0	0	34	0	1	63	0	2	0	0	0	2	0	U	U
2400	96	0	0	2	132	0	0	2	0	2	0	2	10	0	349	36	0	2	0	0	26	0	0	60	0	2	0	0	0	2	0	U	U

	AMB. TEMP1 30 A	S	AMB. TEMP2 30 B	S	AMB. TEMP3 150A	S	AMB. TEMP4 150B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	288	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	4
200	279	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	4
300	252	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
400	245	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
500	234	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
600	265	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
700	265	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
800	275	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	4
900	283	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
1000	283	0	2		0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
1100	265	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	4
1200	299	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
1300	302	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
1400	292	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
1500	292	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
1600	313	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
1700	286	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	4
1800	292	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	2
1900	292	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	4
2000	292	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	4
2100	283	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	4
2200	289	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	4
2300	288	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	4
2400	288	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	4

STATUS CODE(S) DEFINITIONS = 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S				50 B	S		150A	S		150B	S		S			S		
100	63	0	0	2	130	0	0	2	0	2	0	2	14	0	341	45	0	2	0	0	32	0	6	55	0	2	0	0	0	2	0	0	N
200	65	0	0	2	71	0	0	2	0	2	0	2	8	0	342	27	0	2	0	0	56	0	20	93	0	2	0	0	0	2	0	0	N
300	23	0	0	2	88	0	0	2	0	2	0	2	46	0	15	74	0	2	0	0	52	0	20	86	0	2	0	0	0	2	0	0	N
400	36	0	0	2	137	0	0	2	0	2	0	2	28	0	352	59	0	2	0	0	51	0	11	93	0	2	0	0	0	2	0	0	N
500	61	0	0	2	92	0	0	2	0	2	0	2	17	0	352	48	0	2	0	0	44	0	345	95	0	2	0	0	0	2	0	0	N
600	23	0	0	2	69	0	0	2	0	2	0	2	74	0	57	91	0	2	0	0	63	0	28	91	0	2	0	0	0	2	0	0	N
700	21	0	0	2	89	0	0	2	0	2	0	2	88	0	70	102	0	2	0	0	97	0	84	110	0	2	0	0	0	2	0	0	N
800	21	0	0	2	87	0	0	2	0	2	0	2	70	0	32	108	0	2	0	0	106	0	70	137	0	2	0	0	0	2	0	0	N
900	0	0	0	2	86	0	0	2	0	2	0	2	7	0	319	54	0	2	0	0	20	0	317	91	0	2	0	0	0	2	0	0	N
1000	102	0	0	2	104	0	0	2	0	2	0	2	323	0	298	345	0	2	0	0	356	0	322	36	0	2	0	0	0	2	0	0	N
1100	102	0	0	2	105	0	0	2	0	2	0	2	314	0	291	340	0	2	0	0	350	0	315	18	0	2	0	0	0	2	0	0	N
1200	98	0	0	2	109	0	0	2	0	2	0	2	333	0	299	3	0	2	0	0	358	0	325	26	0	2	0	0	0	2	0	0	N
1300	84	0	0	2	102	0	0	2	0	2	0	2	295	0	255	333	0	2	0	0	331	0	295	9	0	2	0	0	0	2	0	0	N
1400	82	0	0	2	102	0	0	2	0	2	0	2	307	0	272	339	0	2	0	0	335	0	300	3	0	2	0	0	0	2	0	0	N
1500	86	0	0	2	106	0	0	2	0	2	0	2	307	0	285	338	0	2	0	0	343	0	302	19	0	2	0	0	0	2	0	0	N
1600	75	0	0	2	112	0	0	2	0	2	0	2	323	0	291	0	0	2	0	0	1	0	320	36	0	2	0	0	0	2	0	0	N
1700	111	0	0	2	123	0	0	2	0	2	0	2	320	0	299	344	0	2	0	0	342	0	317	11	0	2	0	0	0	2	0	0	N
1800	71	0	0	2	105	0	0	2	0	2	0	2	326	0	300	357	0	2	0	0	358	0	325	32	0	2	0	0	0	2	0	0	N
1900	52	0	0	2	107	0	0	2	0	2	0	2	339	0	309	20	0	2	0	0	11	0	321	44	0	2	0	0	0	2	0	0	N
2000	52	0	0	2	119	0	0	2	0	2	0	2	6	0	352	30	0	2	0	0	29	0	6	60	0	2	0	0	0	2	0	0	N
2100	46	0	0	2	113	0	0	2	0	2	0	2	349	0	311	23	0	2	0	0	6	0	339	32	0	2	0	0	0	2	0	0	N
2200	36	0	0	2	100	0	0	2	0	2	0	2	342	0	312	15	0	2	0	0	10	0	344	36	0	2	0	0	0	2	0	0	N
2300	30	0	0	2	98	0	0	2	0	2	0	2	343	0	317	3	0	2	0	0	1	0	338	20	0	2	0	0	0	2	0	0	N
2400	44	0	0	2	115	0	0	2	0	2	0	2	307	0	278	334	0	2	0	0	343	0	329	1	0	2	0	0	0	2	0	0	N

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		
	30 A	S	30 B	S	120A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	283	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
200	279	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
300	241	0	0	2	0	2	0	2	0	2	0	2	12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
400	249	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
500	268	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
600	245	0	0	2	0	2	0	2	0	2	0	2	14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
700	248	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
800	268	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
900	321	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1000	321	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1100	321	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1200	329	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1300	336	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1400	336	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1500	336	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1600	343	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1700	325	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1800	325	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1900	326	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2000	317	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2100	321	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2200	332	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2300	321	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2400	347	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		MIN.	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN.	MAX	WIND DIR4		MIN	MAX	WIND DIR5		MIN	MAX	WIND DIR6	
															50 B	S			150A	S			150B	S				S				S		
100	84	0	0	2	139	0	0	2	0	2	0	2	295	0	272	324	0	2	0	0	339	0	322	357	0	2	0	0	0	2	0	0	0	2
200	102	0	0	2	175	0	0	2	0	2	0	2	287	0	272	309	0	2	0	0	327	0	316	347	0	2	0	0	0	2	0	0	0	2
300	102	0	0	2	180	0	0	2	0	2	0	2	293	0	272	311	0	2	0	0	331	0	314	352	0	2	0	0	0	2	0	0	0	2
400	73	0	0	2	159	0	0	2	0	2	0	2	295	0	276	313	0	2	0	0	338	0	320	351	0	2	0	0	0	2	0	0	0	2
500	67	0	0	2	134	0	0	2	0	2	0	2	290	0	275	309	0	2	0	0	336	0	318	356	0	2	0	0	0	2	0	0	0	2
600	61	0	0	2	107	0	0	2	0	2	0	2	285	0	269	304	0	2	0	0	348	0	311	26	0	2	0	0	0	2	0	0	0	2
700	59	0	0	2	115	0	0	2	0	2	0	2	280	0	259	300	0	2	0	0	315	0	297	327	0	2	0	0	0	2	0	0	0	2
800	50	0	0	2	90	0	0	2	0	2	0	2	288	0	257	317	0	2	0	0	303	0	270	329	0	2	0	0	0	2	0	0	0	2
900	50	0	0	2	84	0	0	2	0	2	0	2	285	0	268	306	0	2	0	0	307	0	289	324	0	2	0	0	0	2	0	0	0	2
1000	49	0	0	2	82	0	0	2	0	2	0	2	291	0	258	326	0	2	0	0	325	0	300	342	0	2	0	0	0	2	0	0	0	2
1100	48	0	0	2	73	0	0	2	0	2	0	2	284	0	264	309	0	2	0	0	332	0	295	14	0	2	0	0	0	2	0	0	0	2
1200	61	0	0	2	111	0	0	2	0	2	0	2	288	0	263	311	0	2	0	0	322	0	298	345	0	2	0	0	0	2	0	0	0	2
1300	80	0	75	0	104	0	109	0	0	0	0	0	315	0	358	249	303	0	352	189	328	0	353	291	308	0	335	280	0	0	0	0	0	2
1400	89	0	78	0	100	0	106	0	0	0	0	0	313	0	7	277	302	0	346	253	325	0	1	292	304	0	333	269	0	0	0	0	0	2
1500	56	0	51	0	63	0	66	0	0	0	0	0	324	0	64	272	309	0	357	206	330	0	22	283	311	0	346	275	0	0	0	0	0	2
1600	55	0	48	0	62	0	64	0	0	0	0	0	301	0	340	258	289	0	345	243	316	0	340	278	297	0	326	268	0	0	0	0	0	2
1700	51	0	45	0	56	0	58	0	0	0	0	0	301	0	345	238	291	0	321	226	315	0	342	286	293	0	328	272	0	0	0	0	0	2
1800	44	0	38	0	43	0	45	0	0	0	0	0	321	0	359	273	310	0	356	253	334	0	29	307	313	0	357	291	0	0	0	0	0	2
1900	36	0	29	0	33	0	37	0	0	0	0	0	299	0	327	260	295	0	315	243	305	0	325	278	285	0	304	261	0	0	0	0	0	2
2000	72	0	68	0	73	0	78	0	0	0	0	0	255	0	273	238	251	0	269	225	260	0	268	251	244	0	250	237	0	0	0	0	0	2
2100	76	0	72	0	79	0	85	0	0	0	0	0	247	0	261	229	243	0	260	225	250	0	257	241	239	0	241	227	0	0	0	0	0	2
2200	68	0	64	0	87	0	93	0	0	0	0	0	241	0	257	215	238	0	265	203	244	0	256	233	230	0	242	220	0	0	0	0	0	2
2300	74	0	68	0	100	0	107	0	0	0	0	0	240	0	281	212	235	0	282	203	241	0	258	224	227	0	245	209	0	0	0	0	0	2
2400	64	0	58	0	99	0	108	0	0	0	0	0	237	0	267	205	234	0	268	197	241	0	263	227	228	0	250	214	0	0	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	347	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	347	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	356	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	356	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	347	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	343	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	343	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	352	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	363	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	379	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	377	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	409	0	0	2	0	2	0	2	0	2	0	2	-36	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	411	0	417	0	377	0	379	0	320	0	320	0	34	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	415	0	420	0	381	0	383	0	320	0	320	0	-36	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	417	0	422	0	392	0	393	0	320	0	320	0	-28	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	410	0	415	0	392	0	393	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	405	0	413	0	390	0	392	0	320	0	320	0	-18	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	406	0	413	0	390	0	392	0	320	0	320	0	-18	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	379	0	386	0	372	0	374	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	372	0	377	0	389	0	361	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	377	0	383	0	386	0	368	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	384	0	390	0	393	0	384	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	388	0	393	0	388	0	390	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	384	0	392	0	393	0	395	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STA[illegible]DE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = I[illegible]D, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPOR[illegible]G RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, D[illegible]TION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 L[illegible]LEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	128	0	122	0	109	0	109	0	0	0	0	0	256	0	276	231	252	0	281	208	258	0	272	251	245	0	255	236	0	0	0	0
200	176	0	170	0	218	0	231	0	0	0	0	0	271	0	305	249	266	0	305	230	279	0	311	246	261	0	296	233	0	0	0	0
300	136	0	132	0	105	0	201	0	0	0	0	0	286	0	312	260	279	0	321	251	293	0	325	259	272	0	302	228	0	0	0	0
400	155	0	145	0	190	0	197	0	0	0	0	0	294	0	320	253	286	0	321	249	301	0	317	270	281	0	290	259	0	0	0	0
500	131	0	117	0	106	0	192	0	0	0	0	0	296	0	311	282	291	0	321	259	306	0	316	300	286	0	292	280	0	0	0	0
600	129	0	113	0	106	0	172	0	0	0	0	0	295	0	313	276	288	0	315	260	305	0	313	291	285	0	292	272	0	0	0	0
700	127	0	115	0	176	0	181	0	0	0	0	0	295	0	316	274	287	0	309	254	306	0	314	279	286	0	294	278	0	0	0	0
800	134	0	125	0	156	0	162	0	0	0	0	0	292	0	315	270	286	0	315	260	298	0	314	278	279	0	290	259	0	0	0	0
900	113	0	107	0	137	0	137	0	0	0	0	0	295	0	329	271	286	0	344	240	296	0	325	265	277	0	301	246	0	0	0	0
1000	75	0	71	0	90	0	99	0	0	0	0	0	283	0	337	238	278	0	321	225	289	0	325	298	273	0	311	218	0	0	0	0
1100	71	0	68	0	86	0	90	0	0	0	0	0	272	0	316	221	269	0	321	214	279	0	353	234	261	0	317	228	0	0	0	0
1200	93	0	88	0	124	0	124	0	0	0	0	0	273	0	314	238	265	0	343	221	287	0	336	245	267	0	323	222	0	0	0	0
1300	105	0	101	0	132	0	142	0	0	0	0	0	285	0	310	241	277	0	305	249	298	0	330	239	279	0	303	208	0	0	0	0
1400	76	0	73	0	77	0	82	0	0	0	0	0	264	0	296	233	260	0	311	221	277	0	309	225	261	0	301	204	0	0	0	0
1500	75	0	73	0	68	0	71	0	0	0	0	0	261	0	278	238	260	0	283	240	276	0	303	236	261	0	285	224	0	0	0	0
1600	51	0	46	0	47	0	53	0	0	0	0	0	255	0	287	207	251	0	306	185	277	0	339	223	257	0	323	209	0	0	0	0
1700	48	0	44	0	36	0	41	0	0	0	0	0	267	0	291	230	262	0	308	226	255	0	298	195	240	0	269	195	0	0	0	0
1800	43	0	38	0	35	0	40	0	0	0	0	0	243	0	285	219	241	0	276	210	249	0	285	231	233	0	258	209	0	0	0	0
1900	13	0	73	2	16	0	17	0	0	0	0	0	208	0	269	126	196	0	266	90	226	0	248	196	211	0	230	171	0	0	0	0
2000	39	0	32	0	37	0	19	0	0	0	0	0	178	0	196	166	176	0	187	165	178	0	187	172	167	5	175	162	0	0	0	0
2100	102	0	97	0	142	0	154	0	0	0	0	0	240	0	264	217	237	0	266	209	247	0	264	238	232	0	245	222	0	0	0	0
2200	73	0	53	0	82	0	70	0	0	0	0	0	200	0	224	180	196	0	221	169	207	0	213	202	194	0	202	186	0	0	0	0
2300	97	0	69	0	138	0	121	0	0	0	0	0	206	0	219	180	204	0	231	160	220	0	224	213	209	0	213	203	0	0	0	0
2400	99	0	72	0	137	0	147	0	0	0	0	0	221	0	233	212	219	0	237	203	230	0	235	221	216	0	223	206	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	404	0	411	0	431	0	413	0	320	0	320	0	5	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
200	422	0	428	0	436	0	426	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
300	417	0	419	0	439	0	420	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
400	401	0	406	0	401	0	402	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
500	393	0	399	0	397	0	399	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
600	390	0	397	0	390	0	392	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
700	397	0	404	0	395	0	397	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
800	404	0	410	0	395	0	395	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
900	408	0	415	0	399	0	401	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1000	420	0	428	0	408	0	410	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1100	431	0	437	0	413	0	413	0	320	0	320	0	-18	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1200	447	0	455	0	436	0	429	0	320	0	320	0	-18	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1300	482	0	487	0	467	0	467	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1400	500	0	505	0	489	0	489	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1500	514	0	519	0	520	0	512	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1600	534	0	537	0	528	0	519	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1700	541	0	546	0	532	0	534	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1800	537	0	543	0	527	0	528	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1900	512	0	518	0	516	0	516	0	320	0	320	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2000	505	0	512	0	516	0	516	0	320	0	320	0	10	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2100	467	0	473	0	469	0	469	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2200	491	0	496	0	528	0	528	0	320	0	320	0	39	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2300	487	0	492	0	539	0	536	0	320	0	320	0	48	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2400	514	0	518	0	541	0	541	0	320	0	320	0	28	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, S =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND DIR2 MIN	MAX	S	WIND DIR3 MIN	MAX	S	WIND DIR4 MIN	MAX	S	WIND DIR5 MIN	MAX	S	WIND DIR6
100	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	2	0	0	2	0	0	2	
200	89	0	56	0	130	0	137	0	0	0	0	0	213	0	221	197	210	0	227	188	224	0	230	218	212	0	217	205	0	0	0	0	
300	93	0	76	0	139	0	150	0	0	0	0	0	224	0	241	209	221	0	248	203	229	0	241	216	215	0	224	197	0	0	0	0	
400	108	0	104	0	149	0	160	0	0	0	0	0	240	0	260	219	236	0	259	216	245	0	257	232	230	0	243	206	0	0	0	0	
500	92	0	87	0	134	0	130	0	0	0	0	0	243	0	257	224	238	0	259	198	256	0	263	245	241	0	253	220	0	0	0	0	
600	93	0	88	0	116	0	123	0	0	0	0	0	246	0	264	221	243	0	271	209	258	0	272	247	249	0	254	233	0	0	0	0	
700	95	0	92	0	113	0	120	0	0	0	0	0	241	0	254	219	237	0	259	204	264	0	263	238	240	0	248	224	0	0	0	0	
800	95	0	90	0	91	0	97	0	0	0	0	0	244	0	262	205	241	0	269	191	257	0	278	239	242	0	260	220	0	0	0	0	
900	96	0	93	0	118	0	124	0	0	0	0	0	263	0	284	240	258	0	283	225	273	0	278	256	258	0	268	246	0	0	0	0	
1000	33	0	27	0	31	0	25	0	0	0	0	0	267	0	340	237	259	0	311	221	378	0	346	224	260	0	295	213	0	0	0	0	
1100	44	0	39	0	39	0	32	0	0	0	0	0	265	0	292	239	260	0	308	232	300	0	320	235	283	0	303	242	0	0	0	0	
1200	61	0	53	0	70	0	74	0	0	0	0	0	304	0	342	248	294	0	350	253	309	0	343	278	290	0	319	266	0	0	0	0	
1300	55	0	47	0	64	0	65	0	0	0	0	0	300	0	355	243	294	0	350	242	315	0	357	285	295	0	345	248	0	0	0	0	
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	
1500	65	0	58	0	76	0	76	0	0	0	0	0	348	0	28	287	344	0	40	279	6	0	31	298	349	0	36	294	0	0	0	0	
1600	50	0	45	0	66	0	67	0	0	0	0	0	6	0	146	289	7	0	85	300	18	0	64	326	1	0	72	292	0	0	0	0	
1700	128	0	116	0	133	0	130	0	0	0	0	0	29	0	49	15	26	0	83	356	27	0	46	0	11	0	37	338	0	0	0	0	
1800	88	0	84	0	102	0	102	0	0	0	0	0	41	0	63	16	43	0	85	357	35	0	69	16	17	0	58	359	0	0	0	0	
1900	72	0	67	0	85	0	95	0	0	0	0	0	47	0	65	28	53	0	85	356	48	0	58	28	31	0	44	16	0	0	0	0	
2000	59	0	58	0	65	0	75	0	0	0	0	0	73	0	95	51	75	0	98	58	67	0	88	54	52	0	71	38	0	0	0	0	
2100	95	0	90	0	135	0	140	0	0	0	0	0	80	0	96	68	77	0	96	64	72	0	83	61	56	0	69	48	0	0	0	0	
2200	85	0	76	0	116	0	115	0	0	0	0	0	101	0	115	85	99	0	125	80	85	0	90	78	70	0	75	62	0	0	0	0	
2300	94	0	85	0	114	0	110	0	0	0	0	0	108	0	118	100	109	0	129	89	89	0	99	84	74	0	83	70	0	0	0	0	
2400	103	0	95	0	123	0	116	0	0	0	0	0	99	0	108	91	97	0	121	81	89	0	91	87	75	0	76	72	0	0	0	0	

	AMB. TEMP1 30 A	S	AMB. TEMP2 30 B	S	AMB. TEMP3 150A	S	AMB. TEMP4 150B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN
100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	489	0	494	0	525	0	525	0	320	0	320	0	36	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
300	489	0	492	0	512	0	512	0	320	0	320	0	23	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
400	483	0	489	0	489	0	491	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
500	465	0	469	0	484	0	465	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
600	442	0	449	0	438	0	440	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
700	444	0	449	0	456	0	456	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
800	446	0	451	0	455	0	455	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
900	444	0	449	0	460	0	460	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1000	494	0	498	0	510	0	510	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1100	514	0	519	0	557	0	559	0	320	0	320	0	45	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1200	458	0	464	0	494	0	496	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1300	471	0	476	0	495	0	455	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	536	0	541	0	519	0	521	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1600	555	0	557	0	525	0	525	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1700	527	0	530	0	521	0	523	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1800	528	0	532	0	529	0	519	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
1900	514	0	519	0	530	0	512	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
2000	485	0	491	0	487	0	487	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
2100	460	0	467	0	473	0	473	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
2200	455	0	460	0	496	0	496	0	320	0	320	0	41	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
2300	456	0	462	0	509	0	509	0	320	0	320	0	52	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0
2400	460	0	465	0	505	0	505	0	320	0	320	0	46	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
														50					150A			150B						
100	109	0	97	0	105	0	161	0	0	0	0	0	101	0	112	91	99	0	124	81	91	0	95	89	77	0	79	75	0	0	0	0	0	0
200	109	0	101	0	106	0	179	0	0	0	0	0	97	0	105	90	96	0	123	85	89	0	91	87	74	0	76	72	0	0	0	0	0	0
300	105	0	97	0	102	0	165	0	0	0	0	0	110	0	113	107	113	0	127	90	105	0	106	102	90	0	94	88	0	0	0	0	0	0
400	104	0	97	0	100	0	163	0	0	0	0	0	119	0	122	115	120	0	126	114	113	0	116	110	100	0	103	99	0	0	0	0	0	0
500	95	0	87	0	145	0	148	0	0	0	0	0	105	3	114	101	103	0	125	89	111	0	116	106	98	0	103	93	0	0	0	0	0	0
600	93	0	84	0	181	0	152	0	0	0	0	0	101	0	110	88	100	0	125	76	102	0	106	99	89	0	94	85	0	0	0	0	0	0
700	90	0	81	0	134	0	135	0	0	0	0	0	100	0	110	91	98	0	119	86	108	0	110	106	94	0	97	93	0	0	0	0	0	0
800	61	0	54	0	79	0	81	0	0	0	0	0	105	0	127	81	105	0	132	79	110	0	131	84	96	0	117	79	0	0	0	0	0	0
900	64	0	58	0	83	0	54	0	0	0	0	0	122	0	147	99	122	0	141	86	112	0	134	79	97	0	117	72	0	0	0	0	0	0
1000	42	0	35	0	45	0	50	0	0	0	0	0	9	0	120	270	4	0	141	270	31	0	110	320	16	0	143	282	0	0	0	0	0	0
1100	57	0	51	0	79	0	80	0	0	0	0	0	13	0	49	292	12	0	85	270	20	0	64	338	3	0	42	322	0	0	0	0	0	0
1200	125	0	115	0	147	0	154	0	0	0	0	0	3	0	51	316	354	0	68	276	8	0	38	330	349	0	60	298	0	0	0	0	0	0
1300	125	0	118	0	145	0	163	0	0	0	0	0	23	0	64	342	17	0	83	277	15	0	53	346	355	0	39	301	0	0	0	0	0	0
1400	189	0	177	0	233	0	219	0	0	0	0	0	30	0	49	0	23	0	84	340	22	0	48	355	3	0	25	315	0	0	0	0	0	0
1500	201	0	189	0	232	0	232	0	0	0	0	0	32	0	48	11	28	0	82	349	25	0	67	357	7	0	31	340	0	0	0	0	0	0
1600	188	0	176	0	217	0	211	0	0	0	0	0	30	0	51	9	26	0	79	354	25	0	55	344	7	0	42	340	0	0	0	0	0	0
1700	195	0	183	0	233	0	227	0	0	0	0	0	32	0	49	6	29	0	79	351	26	0	50	2	8	0	31	338	0	0	0	0	0	0
1800	171	0	159	0	207	0	205	0	0	0	0	0	28	0	51	6	20	0	76	321	22	0	47	354	2	0	40	334	0	0	0	0	0	0
1900	178	0	163	0	219	0	211	0	0	0	0	0	30	0	62	9	27	0	80	1	26	0	50	5	8	0	29	331	0	0	0	0	0	0
2000	163	0	154	0	198	0	193	0	0	0	0	0	28	0	46	1	23	0	77	351	23	0	45	353	7	0	38	335	0	0	0	0	0	0
2100	172	0	160	0	211	0	209	0	0	0	0	0	32	0	55	14	28	0	79	357	31	0	49	10	13	0	32	351	0	0	0	0	0	0
2200	158	0	150	0	205	0	199	0	0	0	0	0	29	0	57	8	23	0	75	348	26	0	43	357	9	0	27	332	0	0	0	0	0	0
2300	158	0	148	0	209	0	204	0	0	0	0	0	29	0	50	15	24	0	84	0	27	0	44	11	10	0	27	349	0	0	0	0	0	0
2400	138	0	131	0	171	0	170	0	0	0	0	0	33	0	52	21	28	0	75	7	32	0	52	8	15	0	37	353	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 190A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN
100	451	0	456	0	512	0	512	0	320	0	320	0	61	0	57	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	451	0	456	0	505	0	505	0	320	0	320	0	54	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	444	0	449	0	496	0	496	0	320	0	320	0	52	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	451	0	456	0	507	0	507	0	320	0	320	0	55	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	446	0	453	0	492	0	492	0	320	0	320	0	45	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	444	0	449	0	500	0	500	0	320	0	320	0	55	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	440	0	446	0	476	0	476	0	320	0	320	0	36	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	478	0	483	0	476	0	476	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	536	0	541	0	535	0	527	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	581	0	584	0	568	0	568	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	557	0	561	0	593	0	593	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	476	0	482	0	478	0	480	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	460	0	464	0	447	0	447	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	483	0	487	0	476	0	476	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	473	0	478	0	467	0	467	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	456	0	460	0	451	0	453	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	447	0	453	0	444	0	444	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	437	0	442	0	431	0	433	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	419	0	424	0	435	0	417	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	415	0	420	0	431	0	413	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	413	0	419	0	431	0	413	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	413	0	420	0	431	0	411	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	419	0	426	0	439	0	420	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	429	0	435	0	438	0	429	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS = 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	Wind Dind
100	95	0	105	0	134	0	159	0	0	0	0	0	58	0	79	40	64	0	92	12	56	0	76	32	40	0	62	20	0	0	0	0	u
200	103	0	106	0	135	0	143	0	0	0	0	0	54	0	80	28	58	0	93	7	52	0	72	31	37	0	60	11	0	0	0	0	u
300	103	0	99	0	123	0	120	0	0	0	0	0	39	0	54	20	31	0	84	354	35	0	55	13	18	0	49	353	0	0	0	0	u
400	122	0	112	0	138	0	150	0	0	0	0	0	29	0	58	355	23	0	55	345	25	0	45	0	8	0	59	352	0	0	0	0	u
500	111	0	104	0	139	0	137	0	0	0	0	0	37	0	58	20	33	0	80	0	33	0	59	11	14	0	41	353	0	0	0	0	u
600	113	0	105	0	127	0	131	0	0	0	0	0	38	0	64	20	34	0	79	6	39	0	58	19	21	0	47	358	0	0	0	0	u
700	127	0	118	0	150	0	147	0	0	0	0	0	29	0	49	8	25	0	78	345	26	0	47	358	8	0	36	342	0	0	0	0	u
800	129	0	118	0	144	0	144	0	0	0	0	0	31	0	54	5	27	0	75	346	26	0	54	346	8	0	63	337	0	0	0	0	u
900	134	0	124	0	165	0	152	0	0	0	0	0	28	0	51	353	22	0	84	344	19	0	57	346	1	0	36	335	0	0	0	0	u
1000	128	0	121	0	149	0	159	0	0	0	0	0	25	0	58	349	20	0	81	317	13	0	47	318	357	0	54	296	0	0	0	0	u
1100	103	0	98	0	133	0	150	0	0	0	0	0	12	0	61	323	7	0	80	310	7	0	55	326	351	0	49	313	0	0	0	0	u
1200	106	0	99	0	162	0	146	0	000		0	0	13	0	53	311	8	0	81	292	6	0	53	308	349	0	48	290	0	0	0	0	u
1300	97	0	89	0	153	0	149	0	0	0	0	0	353	0	68	287	349	0	74	300	5	0	50	316	347	0	65	299	0	0	0	0	u
1400	92	0	83	0	148	0	144	0	0	0	0	0	359	0	99	302	353	0	125	286	357	0	93	309	339	0	95	286	0	0	0	0	u
1500	135	0	120	0	147	0	190	0	0	0	0	0	350	0	64	306	339	0	80	279	357	0	34	306	338	0	25	275	0	0	0	0	u
1600	145	0	133	0	190	0	183	0	0	0	0	0	342	0	31	283	339	0	18	273	354	0	19	318	335	0	29	278	0	0	0	0	u
1700	109	0	95	0	163	0	158	0	0	0	0	0	355	0	73	292	351	0	121	277	359	0	34	306	341	0	48	296	0	0	0	0	u
1800	120	0	110	0	165	0	160	0	0	0	0	0	19	0	60	338	12	0	75	270	12	0	41	343	355	0	43	324	0	0	0	0	u
1900	95	0	84	0	133	0	118	0	0	0	0	0	25	0	54	356	21	0	85	345	18	0	54	352	359	0	57	328	0	0	0	0	u
2000	65	0	57	0	86	0	83	0	0	0	0	0	20	0	52	346	17	0	85	314	13	0	43	347	356	0	64	322	0	0	0	0	u
2100	87	0	77	0	156	0	159	0	0	0	0	0	10	0	47	325	3	0	85	313	4	0	23	339	346	0	42	329	0	0	0	0	u
2200	73	0	69	0	133	0	120	0	0	0	0	0	356	0	63	321	348	0	40	300	356	0	18	333	337	0	12	315	0	0	0	0	u
2300	72	0	64	0	122	0	110	0	0	0	0	0	2	0	37	327	355	0	81	311	355	0	27	331	336	0	6	311	0	0	0	0	u
2400	94	0	85	0	133	0	120	0	0	0	0	0	15	0	40	344	8	0	80	339	8	0	25	352	351	0	68	328	0	0	0	0	u

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN	S
100	428	0	435	0	435	0	435	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
200	433	0	440	0	431	0	433	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
300	413	0	420	0	408	0	410	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
400	392	0	397	0	386	0	388	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
500	384	0	392	0	381	0	383	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
600	390	0	395	0	386	0	388	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
700	386	0	393	0	383	0	384	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
800	397	0	402	0	390	0	390	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
900	393	0	401	0	388	0	390	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
1000	397	0	402	0	392	0	393	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
1100	406	0	411	0	402	0	393	0	320	0	320	0	-18	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
1200	413	0	419	0	407	0	399	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
1300	435	0	440	0	430	0	411	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
1400	451	0	456	0	439	0	420	0	320	0	320	0	-32	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
1500	440	0	447	0	430	0	420	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
1600	431	0	438	0	433	0	415	0	320	0	320	0	-21	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
1700	435	0	442	0	439	0	420	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
1800	429	0	435	0	432	0	422	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
1900	419	0	426	0	433	0	415	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
2000	397	0	404	0	395	0	397	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
2100	424	0	429	0	432	0	424	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
2200	422	0	428	0	430	0	422	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
2300	408	0	415	0	408	0	410	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	u
2400	[redacted]	0	415	0	406	0	408	0	320	0	320	0	-3	0	-7	0	[redacted]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	[redacted]	0	u

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1			WIND DIR2			WIND DIR3			WIND DIR4			WIND DIR5			WIND DIR6		
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX
100	93	0	84	0	134	0	122	0	0	0	0	0	353	0	24	332	345	0	29	311	2	0	20	354	343	0	354	325	0	0	0	0	0	0
200	82	0	78	0	101	0	99	0	0	0	0	0	340	0	357	307	332	0	356	299	348	0	358	338	328	0	340	307	0	0	0	0	0	0
300	46	0	38	0	76	0	76	0	0	0	0	0	14	0	46	336	7	0	68	312	6	0	30	334	350	0	43	336	0	0	0	0	0	0
400	83	0	75	0	92	0	91	0	0	0	0	0	347	0	3	322	339	0	0	305	353	0	4	344	333	0	344	319	0	0	0	0	0	0
500	69	0	61	0	82	0	79	0	0	0	0	0	346	0	8	328	339	0	13	311	354	0	4	341	336	0	349	322	0	0	0	0	0	0
600	71	0	63	0	89	0	87	0	0	0	0	0	355	0	10	337	348	0	13	311	2	0	12	350	343	0	21	331	0	0	0	0	0	0
700	51	0	44	0	65	0	64	0	0	0	0	0	26	0	59	359	24	0	84	344	17	0	42	358	1	0	60	319	0	0	0	0	0	0
800	36	0	30	0	35	0	35	0	0	0	0	0	25	0	129	292	23	3	88	312	8	0	74	304	355	0	85	305	0	0	0	0	0	0
900	53	0	46	0	56	0	57	0	0	0	0	0	340	0	27	302	332	0	10	302	348	0	13	303	329	0	351	296	0	0	0	0	0	0
1000	49	0	43	0	49	0	51	0	0	0	0	0	312	0	351	258	305	0	351	225	334	0	8	302	313	0	348	272	0	0	0	0	0	0
1100	52	0	42	0	49	0	52	0	0	0	0	0	293	0	348	258	285	0	349	236	314	0	349	285	293	0	315	265	0	0	0	0	0	0
1200	54	0	47	0	60	0	63	0	0	0	0	0	300	0	338	263	292	0	320	238	302	0	331	285	281	0	312	263	0	0	0	0	0	0
1300	52	0	45	0	63	0	67	0	0	0	0	0	296	0	323	266	286	0	311	229	301	0	314	276	281	0	302	269	0	0	0	0	0	0
1400	69	0	63	0	85	0	72	0	0	0	0	0	298	0	317	270	293	0	315	264	288	0	316	265	269	0	286	235	0	0	0	0	0	0
1500	63	0	60	0	82	0	68	0	0	0	0	0	271	0	299	245	264	0	307	225	278	0	299	235	259	0	276	233	0	0	0	0	0	0
1600	41	0	36	0	50	0	23	0	0	0	0	0	265	0	300	225	259	0	306	209	249	0	277	198	231	0	274	186	0	0	0	0	0	0
1700	47	0	43	0	42	0	46	0	0	0	0	0	256	0	283	234	253	0	276	212	277	0	298	261	261	0	281	239	0	0	0	0	0	0
1800	41	0	36	0	37	0	29	0	0	0	0	0	258	0	290	214	254	0	276	186	252	0	330	198	236	0	312	198	0	0	0	0	0	0
1900	0	9	42	2	33	0	14	0	0	0	0	0	26	3	117	270	81	0	130	0	317	5	346	263	298	5	329	253	0	0	0	0	0	0
2000	47	0	39	0	14	0	17	0	0	0	0	0	137	0	143	133	138	0	141	135	97	0	152	63	84	0	130	51	0	0	0	0	0	0
2100	70	0	55	0	36	0	31	0	0	0	0	0	193	0	209	176	188	0	226	176	181	0	194	160	168	0	212	149	0	0	0	0	0	0
2200	64	0	44	0	33	0	11	0	0	0	0	0	202	0	209	194	201	0	220	176	204	5	229	185	193	5	212	179	0	0	0	0	0	0
2300	76	0	50	0	61	0	64	0	0	0	0	0	211	0	226	196	211	0	225	183	222	0	226	216	211	0	214	206	0	0	0	0	0	0
2400	72	0	45	0	93	0	79	0	0	0	0	0	208	0	220	192	207	0	219	178	216	0	222	213	209	0	212	199	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1			D.T. 2			D.T. 3			D.T. 4			MISC 1			MISC 2			MISC 3			MISC 4			MISC 5			MISC 6			MISC 7			RAIN
	30 A	S	30 B	S	120A	S	180B	S		S		S	180A	S		180B	S			S			S			S			S			S			S			S			S			S	
100	402	0	408	0	401	0	402	0	320	0	320	0	-1	0		-5	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
200	399	0	404	0	397	0	397	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
300	388	0	395	0	390	0	392	0	320	0	320	0	1	0		-1	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
400	393	0	399	0	390	0	392	0	320	0	320	0	-5	0		-9	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
500	389	0	393	0	389	0	386	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
600	386	0	392	0	393	0	389	0	320	0	320	0	-5	0		-9	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
700	401	0	408	0	392	0	393	0	320	0	320	0	-9	0		-12	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
800	431	0	437	0	417	0	417	0	320	0	320	0	-14	0		-16	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
900	435	0	442	0	432	0	422	0	320	0	320	0	-14	0		-18	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1000	442	0	447	0	433	0	435	0	320	0	320	0	-7	0		-10	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1100	438	0	444	0	435	0	437	0	320	0	320	0	-1	0		-3	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1200	464	0	469	0	471	0	471	0	320	0	320	0	7	0		3	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1300	489	0	494	0	492	0	492	0	320	0	320	0	3	0		0	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1400	500	0	505	0	485	0	487	0	320	0	320	0	-12	0		-16	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1500	519	0	523	0	503	0	505	0	320	0	320	0	-14	0		-16	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1600	543	0	546	0	550	0	552	0	320	0	320	0	9	0		5	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1700	599	0	604	0	588	0	590	0	320	0	320	0	-3	0		-7	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1800	597	0	602	0	591	0	593	0	320	0	320	0	0	0		-3	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
1900	581	0	586	0	593	0	595	0	320	0	320	0	16	0		12	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
2000	581	0	586	0	587	0	557	0	320	0	320	0	-23	0		-27	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
2100	579	0	584	0	600	0	600	0	320	0	320	0	21	0		18	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
2200	591	0	597	0	597	0	597	0	320	0	320	0	10	0		5	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
2300	570	0	575	0	613	0	613	0	320	0	320	0	45	0		41	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
2400	559	0	564	0	617	0	617	0	320	0	320	0	59	0		55	0		0	0		0	0		320	2		0	0		0	0		0	0		0	0		0	0		0	0		0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIRG
100	64	0	42	0	100	0	95	0	0	0	0	0	218	0	236	204	215	0	239	184	221	0	229	215	207	0	218	201	0	0	0	0	0	U
200	88	0	56	0	138	0	129	0	0	0	0	0	216	0	222	207	213	0	225	185	222	0	229	215	209	0	215	203	0	0	0	0	0	U
300	95	0	64	0	149	0	135	0	0	0	0	0	215	0	228	195	212	0	231	176	218	0	223	212	206	0	212	199	0	0	0	0	0	U
400	112	0	100	0	158	0	165	0	0	0	0	0	229	0	265	195	226	0	260	175	231	0	245	202	218	0	234	197	0	0	0	0	0	U
500	114	0	105	0	173	0	184	0	0	0	0	0	234	0	257	200	230	0	259	180	242	0	254	218	227	0	236	201	0	0	0	0	0	U
600	81	0	55	0	133	0	134	0	0	0	0	0	213	0	238	179	210	0	248	175	229	0	245	218	215	0	227	206	0	0	0	0	0	U
700	86	0	59	0	148	0	143	0	0	0	0	0	208	0	226	189	208	0	255	180	220	0	232	209	209	0	220	194	0	0	0	0	0	U
800	59	0	42	0	110	0	94	0	0	0	0	0	193	0	237	131	194	0	259	91	199	0	224	170	188	0	209	152	0	0	0	0	0	U
900	56	0	43	0	97	0	82	0	0	0	0	0	188	0	247	111	188	0	265	119	193	0	229	100	181	0	210	121	0	0	0	0	0	U
1000	90	0	78	0	119	0	110	0	0	0	0	0	235	0	285	190	233	0	304	185	218	0	282	180	204	0	259	169	0	0	0	0	0	U
1100	105	0	85	0	168	0	135	0	0	0	0	0	214	0	255	168	209	0	267	125	206	0	230	175	193	0	218	166	0	0	0	0	0	U
1200	79	0	67	0	134	0	109	0	0	0	0	0	204	0	265	102	207	0	260	130	196	0	249	148	183	0	263	133	0	0	0	0	0	U
1300	80	0	72	0	150	0	130	0	0	0	0	0	197	0	267	99	199	0	265	97	195	0	247	131	183	0	237	132	0	0	0	0	0	U
1400	105	0	86	0	191	0	163	0	0	0	0	0	189	0	246	126	187	0	267	105	192	0	216	153	180	0	199	150	0	0	0	0	0	U
1500	126	0	101	0	195	0	167	0	0	0	0	0	206	0	264	111	204	0	267	112	209	0	235	166	191	0	220	156	0	0	0	0	0	U
1600	103	0	88	0	163	0	140	0	0	0	0	0	203	0	269	125	200	0	266	118	201	0	234	157	189	0	246	150	0	0	0	0	0	U
1700	101	0	87	0	170	0	146	0	0	0	0	0	176	0	252	114	174	0	249	101	187	0	217	139	174	0	215	126	0	0	0	0	0	U
1800	113	0	91	0	199	0	174	0	0	0	0	0	184	0	228	111	182	0	241	90	190	0	233	163	178	0	209	142	0	0	0	0	0	U
1900	92	0	73	0	167	0	139	0	0	0	0	0	191	0	239	150	189	0	238	119	193	0	234	165	181	0	209	159	0	0	0	0	0	U
2000	77	0	64	0	135	0	116	0	0	0	0	0	185	0	231	120	182	0	265	119	191	0	218	159	176	0	201	144	0	0	0	0	0	U
2100	81	0	62	0	153	0	131	0	0	0	0	0	204	0	245	155	198	0	259	130	202	0	225	183	191	0	212	169	0	0	0	0	0	U
2200	73	0	59	0	158	0	129	0	0	0	0	0	190	0	240	138	186	0	248	120	196	0	224	167	184	0	209	168	0	0	0	0	0	U
2300	80	0	60	0	161	0	137	0	0	0	0	0	202	0	245	151	200	0	252	132	204	0	230	176	192	0	215	175	0	0	0	0	0	U
2400	96	0	90	0	182	0	131	0	0	0	0	0	265	0	303	233	259	0	306	221	280	0	306	244	265	0	291	231	0	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	564	0	572	0	613	0	613	0	320	0	320	0	48	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
200	546	0	552	0	593	0	593	0	320	0	320	0	46	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
300	543	0	548	0	599	0	599	0	320	0	320	0	55	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
400	561	0	566	0	570	0	570	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
500	555	0	561	0	570	0	570	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
600	541	0	546	0	563	0	564	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
700	521	0	527	0	550	0	550	0	320	0	320	0	28	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
800	557	0	563	0	543	0	543	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
900	624	0	629	0	593	0	595	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1000	653	0	658	0	627	0	627	0	320	0	320	0	-18	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1100	685	0	690	0	653	0	653	0	320	0	320	0	-27	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1200	717	0	723	0	680	0	630	0	320	0	320	0	-27	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1300	757	0	762	0	699	0	699	0	320	0	320	0	-46	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1400	725	0	730	0	698	0	698	0	320	0	320	0	-19	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1500	728	0	734	0	705	0	705	0	320	0	320	0	-16	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1600	719	0	725	0	698	0	699	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1700	726	0	734	0	705	0	705	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1800	716	0	719	0	705	0	707	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
1900	707	0	712	0	699	0	701	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
2000	679	0	683	0	678	0	680	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
2100	660	0	665	0	665	0	667	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
2200	633	0	644	0	647	0	647	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
2300	624	0	629	0	633	0	635	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U
2400	526	0	520	0	534	0	534	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	U

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	Wind Dire
100	108	0	86	0	147	0	138	0	0	0	0	0	218	0	250	191	218	0	265	177	219	0	257	195	205	0	224	170	0	0	0	0	
200	93	0	72	0	132	0	120	0	0	0	0	0	221	0	257	196	218	0	258	176	218	0	241	194	205	0	237	178	0	0	0	0	
300	122	0	106	0	175	0	180	0	0	0	0	0	233	0	291	207	229	0	264	176	228	0	258	200	216	0	254	186	0	0	0	0	
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	
500	151	0	141	0	209	0	293	0	0	0	0	0	238	0	264	207	234	0	262	180	235	0	255	215	222	0	238	195	0	0	0	0	
600	145	0	140	0	264	0	281	0	0	0	0	0	247	0	270	232	242	0	276	220	250	0	252	245	236	0	240	231	0	0	0	0	
700	144	0	138	0	210	0	224	0	0	0	0	0	246	0	280	225	242	0	280	211	256	0	269	227	242	0	260	225	0	0	0	0	
800	101	0	99	0	134	0	143	0	0	0	0	0	251	0	294	222	247	0	277	213	269	0	302	251	255	0	285	230	0	0	0	0	
900	109	0	106	0	142	0	147	0	0	0	0	0	292	0	318	260	285	0	315	248	306	0	330	272	289	0	316	260	0	0	0	0	
1000	75	0	70	0	111	0	135	0	0	0	0	0	322	0	8	288	313	0	356	270	336	0	2	294	316	0	334	285	0	0	0	0	
1100	70	0	69	0	98	0	100	0	0	0	0	0	316	0	350	272	307	0	354	238	341	0	17	313	322	0	39	297	0	0	0	0	
1200	58	0	46	0	86	0	60	0	0	0	0	0	293	0	331	253	287	0	355	230	328	0	18	273	305	0	336	257	0	0	0	0	
1300	48	0	42	0	80	0	52	0	0	0	0	0	302	0	355	265	297	0	356	253	332	0	26	289	309	0	349	259	0	0	0	0	
1400	48	0	42		42	0	42	0	0	0	0	0	347	0	176	272	335	0	77	271	355	0	36	297	337	0	51	286	0	0	0	0	
1500	63	0	55	0	65	0	65	0	0	0	0	0	345	0	18	306	338	0	6	275	352	0	28	317	336	0	17	308	0	0	0	0	
1600	52	0	46	0	98	0	59	0	0	0	0	0	350	0	79	293	349	0	81	271	1	0	49	281	342	0	34	298	0	0	0	0	
1700	68	0	60	0	79	0	75	0	0	0	0	0	24	0	57	345	21	0	85	345	17	0	60	321	359	0	34	316	0	0	0	0	
1800	66	0	60	0	66	0	70	0	0	0	0	0	40	0	75	17	46	0	85	359	42	0	77	25	25	0	61	4	0	0	0	0	
1900	58	0	58	0	69	0	76	0	0	0	0	0	53	0	88	30	66	0	96	19	48	0	77	16	32	0	61	10	0	0	0	0	
2000	66	0	59	0	67	0	70	0	0	0	0	0	105	0	123	83	105	0	130	75	84	0	109	56	69	0	93	49	0	0	0	0	
2100	91	0	82	0	136	0	131	0	0	0	0	0	87	0	98	81	85	0	96	70	86	0	89	83	72	0	76	68	0	0	0	0	
2200	93	0	85	0	145	0	140	0	0	0	0	0	93	0	107	79	91	0	125	75	90	0	95	84	75	0	82	71	0	0	0	0	
2300	86	0	77	0	117	0	138	0	0	0	0	0	100	0	119	80	97	0	130	69	98	0	106	92	84	0	96	76	0	0	0	0	
2400	93	0	86	0	134	0	138	0	0	0	0	0	120	0	136	106	122	0	142	86	115	0	126	106	102	0	111	91	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	633	0	638	0	639	0	631	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
200	617	0	620	0	625	0	617	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
300	604	0	609	0	602	0	602	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
500	595	0	600	0	599	0	600	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
600	532	0	537	0	508	0	508	0	320	0	320	0	57	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
700	534	0	539	0	545	0	546	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
800	525	0	530	0	523	0	525	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
900	537	0	543	0	532	0	532	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1000	529	0	534	0	514	0	514	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1100	546	0	552	0	521	0	521	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1200	541	0	545	0	532	0	534	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1300	577	0	582	0	563	0	563	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1400	626	0	631	0	606	0	608	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1500	645	0	651	0	617	0	618	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1600	645	0	649	0	622	0	622	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1700	631	0	635	0	611	0	613	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1800	627	0	631	0	611	0	613	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
1900	620	0	626	0	608	0	609	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2000	602	0	608	0	604	0	606	0	320	0	320	0	7	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2100	588	0	593	0	600	0	602	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2200	572	0	579	0	584	0	584	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2300	566	0	572	0	579	0	579	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	
2400	561	0	566	0	568	0	570	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS = 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	Wind Dino	
100	84	0	79	0	111	0	117	0	0	0	0	0	129	0	146	107	129	0	141	99	122	0	140	0105	109	0	128	95	0	0	0	U	
200	52	0	45	0	64	0	55	0	0	0	0	0	62	0	152	3	67	0	175	0	36	0	117	1	18	0	120	322	0	0	0	U	
300	88	0	80	0	135	0	137	0	0	0	0	0	73	0	105	9	74	0	125	0	75	0	93	26	59	0	78	0	0	0	0	U	
400	76	0	69	0	94	0	95	0	0	0	0	0	87	0	99	76	85	0	96	68	82	0	89	73	68	0	75	59	0	0	0	U	
500	56	0	49	0	71	0	74	0	0	0	0	0	119	0	147	89	120	0	145	86	116	0	141	98	103	0	128	83	0	0	0	U	
600	92	0	86	0	118	0	118	0	0	0	0	0	89	0	123	61	80	0	115	64	84	0	105	64	70	0	93	43	0	0	0	U	
700	83	0	80	0	116	0	119	0	0	0	0	0	82	0	106	57	79	0	120	63	78	0	94	61	64	0	81	48	0	0	0	U	
800	69	0	69	0	78	0	91	0	0	0	0	0	60	0	84	35	64	0	96	30	58	0	77	33	43	0	72	10	0	0	0	U	
900	86	0	78	0	114	0	114	0	0	0	0	0	20	0	57	340	17	0	80	315	13	0	41	331	355	0	36	312	0	0	0	U	
1000	142	0	134	0	171	0	166	0	0	0	0	0	33	0	59	3	30	0	80	347	31	0	48	9	15	0	42	347	0	0	0	U	
1100	121	0	112	0	140	0	139	0	0	0	0	0	32	0	67	12	27	0	85	0	30	0	58	358	14	0	43	342	0	0	0	U	
1200	117	0	106	0	148	0	146	0	0	0	0	0	27	0	54	348	23	0	85	341	22	0	52	359	6	0	55	334	0	0	0	U	
1300	139	0	127	0	169	0	165	0	0	0	0	0	31	0	57	0	25	0	81	348	24	0	46	357	6	0	37	335	0	0	0	U	
1400	98	0	88	0	135	0	114	0	0	0	0	0	29	0	56	4	24	0	85	355	29	0	58	8	13	0	78	346	0	0	0	U	
1500	69	0	69	0	77	0	83	0	0	0	0	0	51	0	86	8	59	0	91	6	45	0	80	18	28	0	70	358	0	0	0	U	
1600	82	0	75	0	98	0	100	0	0	0	0	0	15	0	58	329	19	0	87	312	12	0	43	323	357	0	69	302	0	0	0	U	
1700	61	0	56	0	69	0	65	0	0	0	0	0	28	0	56	1	21	0	81	316	21	0	49	334	4	0	33	325	0	0	0	U	
1800	74	0	65	0	82	0	82	0	0	0	0	0	28	0	56	2	23	0	63	345	25	0	44	355	9	0	35	330	0	0	0	U	
1900	63	0	57	0	85	0	65	0	0	0	0	0	29	0	53	8	28	0	85	357	34	0	68	14	16	0	62	359	0	0	0	U	
2000	31	0	28	0	44	0	52	0	0	0	0	0	75	0	104	53	76	3	97	58	63	0	74	53	47	0	59	36	0	0	0	U	
2100	50	0	43	0	61	0	64	0	0	0	0	0	101	0	109	94	94	0	130	86	109	0	120	103	96	0	107	99	0	0	0	U	
2200	53	0	50	0	102	0	108	0	0	0	0	0	141	0	159	130	139	0	176	125	142	0	145	140	130	0	133	128	0	0	0	U	
2300	63	0	59	0	136	0	130	0	0	0	0	0	139	0	158	128	140	0	174	119	146	0	151	142	134	0	139	132	0	0	0	U	
2400	55	0	49	0	107	0	106	0	0	0	0	0	126	0	134	116	127	0	136	119	138	0	142	134	126	0	132	121	0	0	0	U	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	527	0	532	0	537	0	537	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
200	523	0	528	0	536	0	537	0	320	0	320	0	19	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
300	507	0	512	0	523	0	525	0	320	0	320	0	19	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
400	480	0	487	0	487	0	487	0	320	0	320	0	7	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
500	471	0	476	0	469	0	469	0	320	0	320	0	1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
600	460	0	465	0	456	0	456	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
700	455	0	460	0	451	0	453	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
800	455	0	460	0	451	0	451	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
900	453	0	458	0	447	0	449	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
1000	449	0	451	0	438	0	440	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
1100	451	0	456	0	442	0	442	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
1200	435	0	442	0	428	0	429	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
1300	435	0	440	0	426	0	428	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
1400	440	0	446	0	433	0	435	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
1500	465	0	469	0	455	0	456	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
1600	480	0	483	0	465	0	465	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
1700	474	0	476	0	465	0	465	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
1800	446	0	451	0	444	0	446	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
1900	444	0	449	0	438	0	440	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
2000	428	0	433	0	433	0	435	0	320	0	320	0	5	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
2100	431	0	438	0	447	0	449	0	320	0	320	0	16	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
2200	433	0	438	0	449	0	449	0	320	0	320	0	16	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
2300	428	0	435	0	449	0	451	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	U	
2400	[redacted]	0	428	0	438	0	440	0	320	0	320	0	18	0	14	0	[redacted]	0	0	0	320	2	0	0	0	0	0	0	0	0	U	

STATU[redacted]E(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INV[redacted], 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN 50 B	MAX 50 B		WIND DIR2	MIN 150A	MAX 150A		WIND DIR3	MIN 150B	MAX 150B		WIND DIR4	MIN S	MAX S		WIND DIR5	MIN S	MAX S		WIND DIR6	
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S																					
100	66	0	61	0	113	0	118	0	0	0	0	0	134	0	149	122	135	0	166	122	144	0	151	137	132	0	139	123	0	0	0	U	U
200	65	0	64	0	128	0	133	0	0	0	0	0	137	0	154	119	138	0	174	119	149	0	159	139	137	0	147	132	0	0	0	U	U
300	84	0	82	0	143	0	148	0	0	0	0	0	130	0	144	120	132	0	142	119	144	0	151	134	132	0	140	123	0	0	0	U	U
400	91	0	88	0	159	0	164	0	0	0	0	0	132	0	146	124	135	0	197	119	145	0	154	139	134	0	138	129	0	0	0	U	U
500	79	0	78	0	138	0	149	0	0	0	0	0	132	0	150	121	133	0	170	120	148	0	158	134	137	0	149	127	0	0	0	U	U
600	80	0	78	0	139	0	143	0	0	0	0	0	130	0	146	119	131	0	171	115	147	0	156	131	136	0	146	124	0	0	0	U	U
700	90	0	92	0	143	0	150	0	0	0	0	0	138	0	162	124	159	0	173	119	150	0	162	139	139	0	151	124	0	0	0	U	U
800	80	0	75	0	131	0	132	0	0	0	0	0	154	0	219	113	153	0	220	97	164	0	204	131	153	0	188	121	0	0	0	U	U
900	77	0	75	0	133	0	115	0	0	0	0	0	142	0	174	112	142	0	176	89	149	0	175	127	140	0	169	122	0	0	0	U	U
1000	88	0	86	0	100	0	108	0	0	0	0	0	127	0	148	105	128	0	173	86	139	0	150	113	124	0	145	107	0	0	0	U	U
1100	56	0	53	0	70	0	73	0	0	0	0	0	138	0	179	13	143	0	186	90	151	0	179	115	141	0	171	88	0	0	0	U	U
1200	40	0	35	0	47	0	49	0	0	0	0	0	265	0	313	181	267	0	356	182	172	0	258	92	163	0	258	92	0	0	0	U	U
1300	66	0	59	0	83	0	82	0	0	0	0	0	357	0	96	294	353	0	85	276	7	0	54	325	349	0	60	308	0	0	0	U	U
1400	69	0	65	0	72	0	73	0	0	0	0	0	25	0	64	346	21	0	85	311	12	0	48	312	358	0	63	321	0	0	0	U	U
1500	86	0	80	0	74	0	74	0	0	0	0	0	33	0	54	16	34	0	85	356	31	0	58	355	13	0	39	338	0	0	0	U	U
1600	35	0	30	0	34	0	35	0	0	0	0	0	330	0	25	272	329	3	40	270	11	0	47	302	354	0	63	287	0	0	0	U	U
1700	53	0	47	0	61	0	61	0	0	0	0	0	26	0	51	338	23	0	81	321	32	0	49	353	15	0	51	354	0	0	0	U	U
1800	29	0	24	0	32	0	38	0	0	0	0	0	32	3	58	307	44	3	85	355	42	0	73	8	25	0	60	350	0	0	0	U	U
1900	17	0	13	0	30	0	19	0	0	0	0	0	198	0	340	92	38	3	132	271	109	5	128	88	92	3	130	72	0	0	0	U	U
2000	44	0	39	0	42	0	45	0	0	0	0	0	83	0	110	61	82	0	120	63	93	0	121	54	80	0	117	38	0	0	0	U	U
2100	53	0	47	0	82	0	85	0	0	0	0	0	108	0	127	81	108	0	131	68	111	0	133	89	96	0	114	76	0	0	0	U	U
2200	30	0	29	0	33	0	40	0	0	0	0	0	42	3	77	337	47	3	85	349	59	0	75	39	44	0	60	20	0	0	0	U	U
2300	55	0	60	0	79	0	92	0	0	0	0	0	67	0	78	54	71	0	81	64	67	0	77	54	52	0	63	43	0	0	0	U	U
2400	81	0	76	0	119	0	117	0	0	0	0	0	92	0	107	77	90	0	114	65	87	0	94	74	73	0	78	61	0	0	0	U	U

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	419	0	424	0	428	0	429	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
200	411	0	417	0	426	0	428	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
300	404	0	410	0	415	0	417	0	320	0	320	0	12	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
400	401	0	406	0	415	0	417	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
500	401	0	408	0	410	0	411	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
600	399	0	406	0	410	0	411	0	320	0	320	0	10	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
700	417	0	422	0	410	0	411	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
800	447	0	455	0	431	0	433	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
900	476	0	482	0	485	0	486	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1000	509	0	514	0	487	0	489	0	320	0	320	0	-19	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1100	575	0	581	0	541	0	541	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1200	589	0	591	0	575	0	575	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1300	510	0	514	0	491	0	492	0	320	0	320	0	-16	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1400	539	0	537	0	525	0	525	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1500	539	0	545	0	545	0	545	0	320	0	320	0	5	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1600	584	0	588	0	563	0	563	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1700	545	0	550	0	539	0	541	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1800	550	0	555	0	548	0	548	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1900	548	0	554	0	542	0	552	0	320	0	320	0	9	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2000	532	0	537	0	546	0	548	0	320	0	320	0	18	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2100	530	0	536	0	532	0	534	0	320	0	320	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2200	510	0	516	0	525	0	527	0	320	0	320	0	18	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2300	505	0	512	0	512	0	514	0	320	0	320	0	-7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2400	512	0	518	0	518	0	518	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND UIND
100	66	0	88	0	104	0	121	0	0	0	0	0	52	0	76	35	67	0	85	25	55	0	70	33	40	0	54	17	0	0	0	0	0
200	90	0	85	0	129	0	134	0	0	0	0	0	89	0	117	69	89	0	130	40	84	0	107	61	70	0	95	52	0	0	0	0	0
300	141	0	134	0	190	0	190	0	0	0	0	0	100	0	129	77	98	0	142	68	98	0	112	72	85	0	100	60	0	0	0	0	0
400	127	0	121	0	159	0	164	0	0	0	0	0	107	0	131	85	108	0	136	82	106	0	124	82	94	0	117	76	0	0	0	0	0
500	182	0	175	0	247	0	252	0	0	0	0	0	104	0	125	72	104	0	134	75	105	0	126	76	94	0	117	66	0	0	0	0	0
600	139	0	128	0	179	0	179	0	0	0	0	0	97	0	133	77	95	0	172	68	94	0	111	72	82	0	104	65	0	0	0	0	0
700	91	0	91	0	129	0	129	0	0	0	0	0	80	0	108	50	81	0	126	59	76	0	104	64	63	0	92	43	0	0	0	0	0
800	120	0	116	0	142	0	153	0	0	0	0	0	83	0	119	67	83	0	126	64	81	0	107	67	68	0	90	54	0	0	0	0	0
900	65	0	67	0	69	0	84	0	0	0	0	0	69	0	97	29	73	0	108	35	67	0	95	46	53	0	78	32	0	0	0	0	0
1000	60	0	55	0	81	0	69	0	0	0	0	0	21	0	69	309	16	0	85	278	36	0	60	327	18	0	57	330	0	0	0	0	0
1100	77	0	71	0	95	0	96	0	0	0	0	0	22	0	54	353	21	0	85	345	20	0	43	346	3	0	25	325	0	0	0	0	0
1200	59	0	56	0	89	0	92	0	0	0	0	0	13	0	89	314	8	0	132	306	10	0	45	293	354	0	47	292	0	0	0	0	0
1300	79	0	70	0	111	0	113	0	0	0	0	0	0	0	48	303	357	0	80	286	7	0	43	326	349	0	26	315	0	0	0	0	0
1400	110	0	102	0	134	0	129	0	0	0	0	0	348	0	40	323	341	0	53	273	6	0	54	347	349	0	38	319	0	0	0	0	0
1500	86	0	77	0	101	0	100	0	0	0	0	0	3	0	65	309	359	0	130	302	8	0	77	326	349	0	55	302	0	0	0	0	0
1600	60	0	55	0	78	0	82	0	0	0	0	0	11	0	70	301	12	0	132	312	10	0	48	314	352	0	43	303	0	0	0	0	0
1700	50	0	46	0	60	0	61	0	0	0	0	0	19	0	52	318	17	0	80	309	7	0	49	333	351	0	61	302	0	0	0	0	0
1800	74	0	72	0	110	0	112	0	0	0	0	0	14	0	54	286	14	0	85	303	6	0	42	310	349	0	21	304	0	0	0	0	0
1900	50	0	45	0	81	0	54	0	0	0	0	0	28	0	66	298	29	0	85	312	34	0	68	356	19	0	51	336	0	0	0	0	0
2000	49	0	43	0	53	0	55	0	0	0	0	0	26	0	82	349	24	0	84	346	24	0	53	347	8	0	49	324	0	0	0	0	0
2100	27	0	23	0	36	0	30	0	0	0	0	0	115	3	149	71	117	3	142	69	88	3	117	51	72	3	108	35	0	0	0	0	0
2200	40	0	36	0	68	0	69	0	0	0	0	0	7	0	98	320	8	0	102	311	14	0	44	343	358	0	28	324	0	0	0	0	0
2300	25	0	23	0	33	0	35	0	0	0	0	0	344	3	22	278	342	3	115	277	357	0	18	343	339	0	358	323	0	0	0	0	0
2400	16	0	11	0	19	0	17	0	0	0	0	0	46	3	104	3	56	3	119	2	27	3	51	7	10	3	33	350	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	507	0	512	0	509	0	510	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	514	0	519	0	520	0	510	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	509	0	514	0	507	0	507	0	320	0	320	0	0	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	510	0	516	0	505	0	505	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	507	0	514	0	503	0	505	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	505	0	512	0	500	0	501	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	501	0	507	0	494	0	496	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	494	0	500	0	487	0	487	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	496	0	500	0	487	0	487	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	491	0	494	0	487	0	489	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	473	0	478	0	473	0	473	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	487	0	491	0	474	0	474	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	455	0	458	0	442	0	449	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	429	0	435	0	422	0	424	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	433	0	438	0	422	0	424	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	429	0	435	0	417	0	419	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	431	0	435	0	420	0	422	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	406	0	410	0	399	0	401	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	395	0	401	0	392	0	395	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	393	0	399	0	390	0	392	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	393	0	401	0	393	0	397	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	395	0	402	0	401	0	402	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	399	0	404	0	397	0	399	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	[illegible]	0	395	0	393	0	395	0	320	0	320	0	3	0	0	0	[illegible]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAT[illegible]CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = IN[illegible]D, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION ....
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	34	0	28	0	30	0	32	0	0	0	0	0	342	0	18	322	335	3	9	311	344	3	17	323	325	0	21	303	0	0	0	0	0
200	14	0	10	0	9	0	12	0	0	0	0	0	294	0	327	258	293	3	321	256	336	0	353	321	318	0	340	302	0	0	0	0	0
300	62	0	69	0	89	0	112	0	0	0	0	0	60	0	72	40	68	0	85	40	53	0	56	50	38	0	43	39	0	0	0	0	0
400	73	0	66	0	136	0	129	0	0	0	0	0	103	0	117	81	105	0	130	80	80	0	88	71	65	0	74	54	0	0	0	0	0
500	85	0	77	0	130	0	134	0	0	0	0	0	81	0	103	74	79	0	96	68	80	0	85	76	66	0	73	63	0	0	0	0	0
600	109	0	102	0	177	0	175	0	0	0	0	0	92	0	109	79	89	0	132	67	92	0	99	80	79	0	87	68	0	0	0	0	0
700	89	0	83	0	142	0	143	0	0	0	0	0	92	0	103	79	90	0	123	64	93	0	98	84	79	0	84	70	0	0	0	0	0
800	124	0	122	0	194	0	160	0	0	0	0	0	82	0	110	65	81	0	122	40	84	0	113	66	69	0	100	48	0	0	0	0	0
900	168	0	162	0	193	0	194	0	0	0	0	0	105	0	128	83	105	0	136	78	104	0	131	80	91	0	122	73	0	0	0	0	0
1000	194	0	184	0	227	0	231	0	0	0	0	0	115	0	133	96	116	0	142	92	113	0	128	95	102	0	120	82	0	0	0	0	0
1100	206	0	198	0	241	0	246	0	0	0	0	0	112	0	136	93	115	0	136	87	110	0	125	90	100	0	115	73	0	0	0	0	0
1200	161	0	152	0	184	0	183	0	0	0	0	0	112	0	125	94	111	0	132	80	108	0	129	78	96	0	120	72	0	0	0	0	0
1300	188	0	179	0	230	0	228	0	0	0	0	0	110	0	129	89	109	0	142	64	109	0	129	68	98	0	117	67	0	0	0	0	0
1400	202	0	194	0	247	0	249	0	0	0	0	0	108	0	130	81	109	0	139	70	108	0	130	79	97	0	118	76	0	0	0	0	0
1500	206	0	198	0	245	0	252	0	0	0	0	0	113	0	133	95	117	0	142	86	111	0	138	83	101	0	123	62	0	0	0	0	0
1600	181	0	168	0	231	0	230	0	0	0	0	0	111	0	131	92	115	0	142	81	115	0	129	95	103	0	121	84	0	0	0	0	0
1700	222	0	209	0	267	0	271	0	0	0	0	0	111	0	131	96	112	0	137	70	113	0	129	96	102	0	119	85	0	0	0	0	0
1800	141	0	141	0	182	0	191	0	0	0	0	0	126	0	150	105	130	0	170	92	132	0	150	111	122	0	144	101	0	0	0	0	0
1900	175	0	167	0	218	0	221	0	0	0	0	0	109	0	129	90	112	0	142	75	110	0	127	94	98	0	113	82	0	0	0	0	0
2000	153	0	143	0	203	0	203	0	0	0	0	0	101	0	120	78	100	0	136	68	100	0	119	76	88	0	114	66	0	0	0	0	0
2100	191	0	179	0	239	0	239	0	0	0	0	0	96	0	116	79	95	0	141	70	99	0	109	69	82	0	99	99	0	0	0	0	0
2200	100	0	108	0	131	0	140	0	0	0	0	0	68	0	101	43	72	0	105	32	68	0	85	47	56	0	76	36	0	0	0	0	0
2300	127	0	119	0	159	0	163	0	0	0	0	0	111	0	131	81	113	0	137	71	110	0	130	86	98	0	117	73	0	0	0	0	0
2400	96	0	89	0	133	0	129	0	0	0	0	0	140	0	269	99	144	0	266	97	149	0	261	114	141	0	259	98	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	399	0	406	0	397	0	399	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
200	390	0	397	0	395	0	397	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
300	392	0	397	0	439	0	433	0	320	0	320	0	39	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
400	379	0	384	0	426	0	428	0	320	0	320	0	46	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
500	386	0	393	0	424	0	426	0	320	0	320	0	36	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
600	399	0	404	0	428	0	428	0	320	0	320	0	27	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
700	422	0	429	0	438	0	440	0	320	0	320	0	14	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
800	458	0	469	0	455	0	455	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
900	500	0	505	0	489	0	491	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	523	0	528	0	514	0	514	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	532	0	536	0	533	0	525	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	519	0	525	0	530	0	512	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	534	0	539	0	531	0	523	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	527	0	532	0	524	0	516	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	507	0	512	0	498	0	498	0	320	0	320	0	-7	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	492	0	498	0	482	0	482	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	487	0	492	0	476	0	478	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	491	0	496	0	480	0	482	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	489	0	494	0	480	0	480	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	492	0	498	0	487	0	489	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	498	0	501	0	492	0	492	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	498	0	501	0	494	0	494	0	320	0	320	0	-1	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	501	0	507	0	501	0	501	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	512	0	518	0	519	0	519	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	72	0	66	0	148	0	128	0	0	0	0	0	160	0	233	126	160	0	235	196	189	0	237	162	177	0	219	143	0	0	0	0	0
200	141	0	115	0	207	0	194	0	0	0	0	0	221	0	257	145	216	0	267	140	217	0	246	184	209	0	236	141	0	0	0	0	0
300	138	0	111	0	213	0	186	0	0	0	0	0	211	0	253	170	210	0	266	165	207	0	251	182	195	0	229	165	0	0	0	0	0
400	118	0	91	0	201	0	173	0	0	0	0	0	209	0	249	118	207	0	263	135	203	0	232	176	191	0	216	171	0	0	0	0	0
500	131	0	102	0	237	0	192	0	0	0	0		209	0	269	153	211	0	269	138	204	0	234	155	193	0	221	167	0	0	0	0	0
600	159	0	135	0	231	0	221	0	0	0	0	0	228	0	267	208	226	0	266	170	222	0	247	176	211	0	248	181	0	0	0	0	0
700	162	0	151	0	230	0	242	0	0	0	0	0	238	0	275	202	236	0	266	180	236	0	263	211	222	0	247	194	0	0	0	0	0
800	289	0	253	0	256	0	369	0	0	0	0	0	244	0	272	216	249	0	260	226	248	0	257	234	231	0	241	220	0	0	0	0	0
900	202	0	197	0	237	0	342	0	0	0	0	0	250	0	275	230	178	0	178	178	256	0	262	249	276	0	178	228	0	0	0	0	0
1000	185	0	180	0	291	0	309	0	0	0	0	0	253	0	276	234	251	0	295	213	258	0	281	247	240	0	261	221	0	0	0	0	0
1100	177	0	173	0	294	0	308	0	0	0	0	0	251	0	267	231	248	0	276	215	257	0	272	238	241	0	251	227	0	0	0	0	0
1200	177	0	174	0	298	0	314	0	0	0	0	0	257	0	285	230	252	0	284	211	260	0	278	235	244	0	255	228	0	0	0	0	0
1300	209	0	268	0	321	0	362	0	0	0	0	0	240	0	263	160	225	0	265	156	244	0	257	176	217	0	242	177	0	0	0	0	0
1400	223	0	219	0	300	0	321	0	0	0	0	0	245	0	265	225	242	0	266	210	249	0	258	240	232	0	242	221	0	0	0	0	0
1500	147	0	141	0	240	0	259	0	0	0	0	0	254	0	275	236	251	0	277	223	258	0	265	248	242	0	248	232	0	0	0	0	0
1600	133	0	128	0	231	0	246	0	0	0	0	0	256	0	284	233	252	0	278	209	262	0	279	253	246	0	257	236	0	0	0	0	0
1700	147	0	146	0	202	0	278	0	0	0	0	0	258	0	279	233	254	0	281	216	265	0	278	251	249	0	256	238	0	0	0	0	0
1800	98	0	88	0	133	0	122	0	0	0	0	0	342	0	8	304	339	0	30	276	351	0	17	324	331	0	358	290	0	0	0	0	0
1900	53	0	47	0	72	0	73	0	0	0	0	0	22	0	56	343	20	0	85	311	21	0	60	346	0	0	27	335	0	0	0	0	0
2000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
2100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
2200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
2300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
2400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	MAIN
100	525	0	530	0	545	0	555	0	320	0	320	0	30	27	0	0	0	320	2	0	0	0	0	0	0
200	602	0	608	0	611	0	613	0	320	0	320	0	9	5	0	0	0	320	2	0	0	0	0	0	0
300	600	0	606	0	602	0	609	0	320	0	320	0	3	0	0	0	0	320	2	0	0	0	0	0	0
400	591	0	597	0	597	0	597	0	320	0	320	0	5	1	0	0	0	320	2	0	0	0	0	0	0
500	584	0	590	0	588	0	590	0	320	0	320	0	5	1	0	0	0	320	2	0	0	0	0	0	0
600	597	0	602	0	595	0	597	0	320	0	320	0	1	-5	0	0	0	320	2	0	0	0	0	0	0
700	575	0	581	0	573	0	575	0	320	0	320	0	0	-3	0	0	0	320	2	0	0	0	0	0	0
800	534	0	539	0	536	0	537	0	320	0	320	0	3	0	0	0	0	320	2	0	0	0	0	0	0
900	516	0	518	0	511	2	514	2	320	0	320	0	3	0	0	0	0	320	2	0	0	0	0	0	0
1000	507	0	512	0	505	0	505	0	320	0	320	0	-1	-5	0	0	0	320	2	0	0	0	0	0	0
1100	503	0	507	0	503	0	505	0	320	0	320	0	1	-1	0	0	0	320	2	0	0	0	0	0	0
1200	485	0	489	0	482	0	483	0	320	0	320	0	-3	-7	0	0	0	320	2	0	0	0	0	0	0
1300	478	0	480	0	478	0	478	0	320	0	320	0	1	1	0	0	0	320	2	0	0	0	0	0	0
1400	483	0	487	0	483	0	485	0	320	0	320	0	1	1	0	0	0	320	2	0	0	0	0	0	0
1500	474	0	480	0	480	0	480	0	320	0	320	0	5	1	0	0	0	320	2	0	0	0	0	0	0
1600	469	0	473	0	471	0	471	0	320	0	320	0	1	1	0	0	0	320	2	0	0	0	0	0	0
1700	471	0	474	0	483	0	485	0	320	0	320	0	14	10	0	0	0	320	2	0	0	0	0	0	0
1800	417	0	420	0	430	0	411	0	320	0	320	0	-5	-9	0	0	0	320	2	0	0	0	0	0	0
1900	417	0	422	0	431	0	415	0	320	0	320	0	-5	-7	0	0	0	320	2	0	0	0	0	0	0
2000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0
2100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0
2200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0
2300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0
2400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0

STA[illegible] CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = [illegible]VALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	S	WIND DIR6
100	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	2
200	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	2
300	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	2
400	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	2
1000	71	0	62	0	83	0	84	0	0	0	0	0	356	0	51	315	349	0	72	275	5	0	57	313	347	0	31	308	0	0	0	0
1100	56	0	49	0	64	0	64	0	0	0	0	0	358	0	61	290	355	0	125	301	2	0	43	306	342	0	31	304	0	0	0	0
1200	88	0	82	0	116	0	113	0	0	0	0	0	348	0	31	294	341	0	36	300	0	0	32	333	340	0	24	312	0	0	0	0
1300	102	0	95	0	131	0	129	0	0	0	0	0	345	0	40	308	337	0	36	291	357	0	34	324	337	0	31	296	0	0	0	0
1400	86	0	77	0	108	0	124	0	0	0	0	0	357	0	57	307	349	0	71	286	3	0	50	309	344	0	29	312	0	0	0	0
1500	109	0	99	0	140	0	135	0	0	0	0	0	347	0	101	294	339	0	85	272	359	0	39	332	340	0	20	287	0	0	0	0
1600	132	0	119	0	172	0	171	0	0	0	0	0	346	0	17	315	340	0	31	293	357	0	39	334	336	0	14	312	0	0	0	0
1700	81	0	76	0	106	0	122	0	0	0	0	0	7	0	99	309	3	0	95	282	8	0	49	329	349	0	42	302	0	0	0	0
1800	61	0	54	0	89	0	89	0	0	0	0	0	3	0	58	288	1	0	78	300	4	0	36	303	346	0	47	298	0	0	0	0
1900	64	0	56	0	94	0	94	0	0	0	0	0	349	0	45	301	345	0	77	270	0	0	44	323	340	0	29	308	0	0	0	0
2000	61	0	56	0	87	0	71	0	0	0	0	0	311	0	336	270	306	0	349	270	325	0	343	301	302	0	318	278	0	0	0	0
2100	87	0	82	0	85	0	91	0	0	0	0	0	296	0	308	283	291	0	306	265	301	0	316	288	280	0	290	269	0	0	0	0
2200	83	0	78	0	79	0	85	0	0	0	0	0	298	0	316	279	295	0	321	266	299	0	323	285	278	0	297	264	0	0	0	0
2300	91	0	86	0	86	0	93	0	0	0	0	0	297	0	316	277	295	0	321	265	296	0	315	265	276	0	311	246	0	0	0	0
2400	96	0	95	0	98	0	106	0	0	0	0	0	265	0	280	243	261	0	280	238	270	0	281	256	252	0	258	241	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5.	MISC 6	MISC 7	RAIN
100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	426	0	431	0	431	0	413	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0
1100	429	0	429	0	408	0	410	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0
1200	417	0	422	0	402	0	406	0	320	0	320	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0
1300	406	0	411	0	395	0	399	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0
1400	404	0	410	0	390	0	393	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0
1500	397	0	404	0	386	0	388	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0
1600	401	0	406	0	388	0	392	0	320	0	320	0	-12	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0
1700	419	0	424	0	401	0	404	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0
1800	406	0	411	0	395	0	397	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0
1900	404	0	411	0	397	0	399	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0
2000	393	0	393	0	381	0	384	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0
2100	381	0	386	0	375	0	379	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0
2200	383	0	388	0	377	0	379	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0
2300	386	0	392	0	381	0	383	0	320	0	320	0	-5	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0
2400	395	0	401	0	384	0	386	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, S =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	92	0	90	0	102	0	110	0	0	0	0	0	255	0	274	239	253	0	275	231	257	0	264	247	239	0	247	228	0	0	0	0	0
200	81	0	79	0	107	0	116	0	0	0	0	0	239	0	258	203	235	0	270	190	242	0	256	225	225	0	241	213	0	0	0	0	0
300	87	0	81	0	121	0	129	0	0	0	0	0	234	0	255	220	232	0	265	187	240	0	260	228	222	0	245	207	0	0	0	0	0
400	105	0	92	0	163	0	172	0	0	0	0	0	227	0	250	199	224	0	265	185	237	0	246	220	220	0	231	209	0	0	0	0	0
500	108	0	98	0	167	0	176	0	0	0	0	0	233	0	263	210	230	0	259	187	235	0	247	215	218	0	232	190	0	0	0	0	0
600	111	0	103	0	198	0	166	0	0	0	0	0	237	0	259	209	235	0	270	199	240	0	267	220	221	0	247	200	0	0	0	0	0
700	119	0	108	0	168	0	178	0	0	0	0	0	235	0	263	204	233	0	274	196	236	0	268	217	219	0	242	197	0	0	0	0	0
800	132	0	122	0	174	0	197	0	0	0	0	0	234	0	270	205	230	0	278	185	236	0	257	215	221	0	270	194	0	0	0	0	0
900	137	0	127	0	204	0	211	0	0	0	0	0	234	0	268	204	231	0	264	168	235	0	272	213	219	0	240	197	0	0	0	0	0
1000	144	0	137	0	226	0	241	0	0	0	0	0	246	0	279	227	243	0	277	208	251	0	264	234	236	0	246	224	0	0	0	0	0
1100	115	0	114	0	199	0	212	0	0	0	0	0	258	0	285	232	254	0	303	210	262	0	276	239	246	0	261	223	0	0	0	0	0
1200	139	0	138	0	189	0	200	0	0	0	0	0	263	0	281	250	260	0	304	209	276	0	285	272	259	0	269	254	0	0	0	0	0
1300	90	0	88	0	139	0	139	0	0	0	0	0	275	0	306	247	270	0	309	213	294	0	314	264	274	0	296	245	0	0	0	0	0
1400	101	0	95	0	126	0	124	0	0	0	0	0	24	0	53	339	23	0	86	316	21	0	61	287	2	0	366	308	0	0	0	0	0
1500	84	0	81	0	92	0	93	0	0	0	0	0	33	0	67	346	35	0	94	300	19	0	71	336	1	0	58	308	0	0	0	0	0
1600	101	0	99	0	134	0	111	0	0	0	0	0	21	0	59	347	15	0	80	343	20	0	48	345	359	0	31	330	0	0	0	0	0
1700	106	0	98	0	122	0	122	0	0	0	0	0	24	0	55	337	24	0	84	320	21	0	59	336	1	0	31	312	0	0	0	0	0
1800	105	0	96	0	131	0	121	0	0	0	0	0	23	0	49	351	18	0	83	345	19	0	60	329	1	0	40	324	0	0	0	0	0
1900	85	0	80	0	106	0	105	0	0	0	0	0	27	0	46	6	21	0	80	348	20	0	59	355	2	0	31	321	0	0	0	0	0
2000	78	0	71	0	102	0	101	0	0	0	0	0	26	0	50	4	24	0	82	349	25	0	44	6	6	0	20	352	0	0	0	0	0
2100	37	0	33	0	85	0	56	0	0	0	0	0	350	0	27	310	347	0	34	311	7	0	31	344	349	0	33	323	0	0	0	0	0
2200	53	0	48	0	90	0	85	0	0	0	0	0	302	0	317	287	300	0	315	266	307	0	329	287	286	0	302	259	0	0	0	0	0
2300	49	0	45	0	46	0	49	0	0	0	0	0	311	0	327	299	306	0	321	283	326	0	339	311	309	0	318	290	0	0	0	0	0
2400	47	0	43	0	44	0	47	0	0	0	0	0	312	0	333	284	307	0	320	276	325	0	358	295	303	0	333	275	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 100A	S	AMB. TEM4 100B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 100A	S	D.T. 2 100B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MASK
100	399	0	404	0	390	0	392	0	320	0	320	0	-9	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
200	393	0	399	0	393	0	395	0	320	0	320	0	0	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
300	402	0	408	0	404	0	406	0	320	0	320	0	3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
400	410	0	415	0	439	0	431	0	320	0	320	0	21	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
500	419	0	424	0	424	0	426	0	320	0	320	0	7	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
600	433	0	438	0	433	0	435	0	320	0	320	0	1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
700	451	0	455	0	444	0	446	0	320	0	320	0	-3	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
800	316	2	316	2	780	2	188	2	320	0	320	0	-3	2	-3	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
900	316	2	316	2	824	2	735	2	320	0	320	0	-3	2	-3	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	316	2	316	2	813	2	917	2	320	0	320	0	-3	2	-3	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	507	0	501	0	503	0	500	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	505	0	498	0	518	0	514	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	525	0	519	0	512	0	509	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	500	0	494	0	476	0	474	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	513	0	514	0	503	0	500	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	518	0	514	0	500	0	498	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	494	0	489	0	480	0	476	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	474	0	469	0	462	0	458	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	451	0	444	0	440	0	437	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	437	0	429	0	429	0	426	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	428	0	420	0	433	0	428	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	424	0	415	0	419	0	413	0	320	0	320	0	-3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	422	0	415	0	413	0	408	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	422	0	415	0	431	0	406	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50 B	S		150A	S		150B	S			S			S	
100	100	0	92	0	116	0	116	0	0	0	0	0	346	0	12	320	338	0	1	303	352	0	9	331	332	0	347	321	0	0	0	0	U
200	70	0	62	0	86	0	86	0	0	0	0	0	351	0	17	329	345	0	11	303	0	0	26	342	341	0	3	323	0	0	0	0	U
300	65	0	57	0	84	0	84	0	0	0	0	0	20	0	41	1	17	0	71	355	16	0	29	4	358	0	24	342	0	0	0	0	U
400	70	0	60	0	90	0	89	0	0	0	0	0	32	0	50	19	31	0	84	356	29	0	49	16	9	0	24	358	0	0	0	0	U
500	58	0	51	0	79	0	79	0	0	0	0	0	36	0	65	15	40	0	84	1	35	0	54	17	16	0	32	358	0	0	0	0	U
600	47	0	45	0	64	0	77	0	0	0	0	0	75	0	89	66	71	0	86	63	69	0	80	56	52	0	60	42	0	0	0	0	U
700	47	0	59	0	65	0	74	0	0	0	0	0	71	0	97	36	74	0	93	39	70	0	88	52	52	0	71	34	0	0	0	0	U
800	59	0	75	0	70	0	78	0	0	0	0	0	69	0	107	35	73	0	111	41	75	0	107	42	60	0	99	43	0	0	0	0	U
900	39	0	56	0	33	0	47	0	0	0	0	0	70	0	105	16	83	0	136	39	76	0	110	40	64	0	109	26	0	0	0	0	U
1000	34	0	42	0	42	0	42	0	0	0	0	0	300	0	357	227	303	0	359	229	340	0	21	280	319	0	2	283	0	0	0	0	U
1100	49	0	56	0	54	0	54	0	0	0	0	0	316	0	355	236	312	0	353	254	333	0	14	285	311	0	348	282	0	0	0	0	U
1200	36	0	43	0	49	0	49	0	0	0	0	0	313	0	357	218	315	0	357	224	330	0	6	301	305	0	348	263	0	0	0	0	U
1300	47	0	53	0	57	0	60	0	0	0	0	0	301	0	349	250	297	0	344	255	314	0	348	294	292	0	316	267	0	0	0	0	U
1400	49	0	45	0	52	0	55	0	0	0	0	0	315	0	347	241	306	0	354	230	322	0	22	298	300	0	8	277	0	0	0	0	U
1500	37	0	31	0	35	0	38	0	0	0	0	0	313	0	8	270	305	0	353	226	334	0	358	288	315	0	11	272	0	0	0	0	U
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	U
2000	74	0	67	0	86	0	92	0	0	0	0	0	116	0	133	97	119	0	135	86	120	0	137	104	108	0	124	92	0	0	0	0	U
2100	70	0	64	0	101	0	105	0	0	0	0	0	127	0	139	117	129	0	141	86	137	0	145	129	124	0	130	109	0	0	0	0	U
2200	82	0	74	0	122	0	131	0	0	0	0	0	128	0	138	119	130	0	141	119	134	0	140	129	123	0	130	119	0	0	0	0	U
2300	91	0	94	0	107	0	171	0	0	0	0	0	135	0	147	123	137	0	166	120	143	0	149	137	131	0	139	128	0	0	0	0	U
2400	90	0	91	0	121	0	178	0	0	0	0	0	139	0	148	125	140	0	174	129	151	0	156	143	139	0	145	134	0	0	0	0	U

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	417	0	410	0	430	0	404	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
200	404	0	397	0	419	0	395	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
300	404	0	397	0	409	0	399	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
400	413	0	406	0	430	0	406	0	320	0	320	0	-1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
500	404	0	397	0	402	0	397	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
600	388	0	379	0	390	0	389	0	320	0	320	0	3	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
700	393	0	386	0	381	0	377	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
800	424	0	419	0	406	0	402	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
900	451	0	446	0	435	0	429	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1000	480	0	474	0	447	0	444	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1100	474	0	469	0	449	0	446	0	320	0	320	0	-23	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1200	492	0	487	0	458	0	458	0	320	0	320	0	-32	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1300	494	0	489	0	465	0	465	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1400	523	0	518	0	485	0	483	0	320	0	320	0	-37	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1500	536	0	530	0	500	0	498	0	320	0	320	0	-36	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	U	
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	U	
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	U	
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	U	U	
2000	539	0	532	0	534	0	528	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2100	534	0	527	0	532	0	527	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2200	523	0	518	0	528	0	523	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2300	514	0	507	0	530	0	525	0	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2400	509	0	501	0	532	0	527	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	IN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIRG		
100	87	0	82	0	174	0	101	0	0	0	0	0	141	0	155	124	141	0	172	119	157	0	161	151	145	0	150	140	0	0	0	0	0		
200	93	0	86	0	177	0	179	0	0	0	0	0	156	0	177	126	156	0	187	123	170	0	179	159	157	0	164	146	0	0	0	0	0		
300	96	0	91	0	184	0	176	0	0	0	0	0	153	0	186	123	158	0	203	119	172	0	197	145	158	0	183	134	0	0	0	0	0		
400	92	0	87	0	171	0	170	0	0	0	0	0	149	0	178	124	151	0	182	119	168	0	183	139	151	0	168	132	0	0	0	0	0		
500	101	0	96	0	173	0	166	0	0	0	0	0	157	0	203	131	158	0	214	119	172	0	192	139	157	0	175	140	0	0	0	0	0		
600	90	0	85	0	167	0	156	0	0	0	0	0	159	0	267	120	161	0	213	119	175	0	206	146	161	0	190	135	0	0	0	0	0		
700	105	0	103	0	176	0	171	0	0	0	0	0	154	0	184	117	156	0	231	110	169	0	196	155	156	0	180	137	0	0	0	0	0		
800	84	0	77	0	161	0	151	0	0	0	0	0	158	0	194	127	157	0	211	119	172	0	194	153	161	0	175	146	0	0	0	0	0		
900	85	0	82	0	141	0	146	0	0	0	0	0	142	0	168	121	140	0	173	119	159	0	173	142	145	0	165	127	0	0	0	0	0		
1000	109	0	113	0	189	0	196	0	0	0	0	0	192	0	188	123	143	0	181	119	157	0	174	133	143	0	160	128	0	0	0	0	0		
1100	117	0	121	0	205	0	209	0	0	0	0	0	146	0	193	118	148	0	214	96	162	0	197	137	150	0	184	119	0	0	0	0	0		
1200	150	0	138	0	235	0	219	0	0	0	0	0	162	0	236	118	165	0	261	117	171	0	196	137	160	0	190	125	0	0	0	0	0		
1300	124	0	119	0	197	0	191	0	0	0	0	0	159	0	191	120	161	0	229	95	171	0	199	135	160	0	234	129	0	0	0	0	0		
1400	79	0	76	0	139	0	138	0	0	0	0	0	152	0	213	122	152	0	241	92	163	0	202	134	153	0	267	117	0	0	0	0	0		
1500	108	0	100	0	186	0	168	0	0	0	0	0	165	0	227	105	167	0	251	119	176	0	209	143	166	0	269	129	0	0	0	0	0		
1600	109	0	95	0	196	0	169	0	0	0	0	0	183	0	267	113	181	0	265	106	191	0	225	156	180	0	209	122	0	0	0	0	0		
1700	152	0	125	0	235	0	203	0	0	0	0	0	205	0	267	119	204	0	253	132	206	0	239	183	194	0	268	169	0	0	0	0	0		
1800	113	0	96	0	169	0	149	0	0	0	0	0	211	0	265	128	209	0	269	103	201	0	235	172	189	0	263	131	0	0	0	0	0		
1900	72	0	58	0	131	0	115	0	0	0	0	0	196	0	257	124	196	0	266	90	199	0	231	146	187	0	227	150	0	0	0	0	0		
2000	71	0	60	0	139	0	104	0	0	0	0	0	181	0	210	143	180	0	231	130	188	0	208	168	177	0	248	138	0	0	0	0	0		
2100	64	0	54	0	133	0	117	0	0	0	0	0	167	0	204	129	164	0	219	123	182	0	197	168	169	0	187	131	0	0	0	0	0		
2200	76	0	70	0	187	0	169	0	0	0	0	0	145	0	170	115	199	0	179	88	165	0	175	157	153	0	165	145	0	0	0	0	0		
2300	81	0	76	0	165	0	144	0	0	0	0	0	161	0	188	124	162	0	215	122	179	0	189	165	164	0	179	8	0	0	0	0	0		
2400	94	0	90	0	176	0	153	0	0	0	0	0	167	0	194	127	169	0	215	119	182	0	199	163	168	0	186	121	0	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	503	0	498	0	530	0	525	0	320	0	320	0	28	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
200	505	0	500	0	519	0	516	0	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
300	516	0	510	0	519	0	516	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
400	507	0	501	0	509	0	505	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
500	516	0	510	0	518	0	512	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
600	518	0	512	0	519	0	510	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
700	530	0	525	0	523	0	519	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	3		
800	510	0	503	0	509	0	503	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
900	501	0	496	0	501	0	498	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1000	514	0	509	0	505	0	501	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1100	591	0	586	0	520	0	566	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1200	613	0	608	0	593	0	588	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1300	654	0	649	0	638	0	633	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1400	669	0	663	0	660	0	654	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1500	710	0	707	0	685	0	681	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1600	750	0	749	0	719	0	714	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1700	759	0	753	0	735	0	730	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1800	759	0	752	0	730	0	725	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
1900	737	0	730	0	716	0	712	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
2000	714	0	707	0	703	0	698	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
2100	690	0	695	0	690	0	685	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
2200	667	0	662	0	678	0	672	0	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
2300	662	0	654	0	672	0	667	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		
2400	650	0	645	0	656	0	651	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	94	0	85	0	176	0	151	0	0	0	0	0	170	0	211	136	0	179	0	227	124	183	0	204	166	170	0	197	152	0	0	0	0
200	90	0	78	0	173	0	153	0	0	0	0	0	174	0	224	117	0	175	0	228	119	185	0	208	151	172	0	200	138	0	0	0	0
300	83	0	72	0	165	0	138	0	0	0	0	0	184	0	236	135	0	187	0	257	125	193	0	222	174	181	0	269	158	0	0	0	0
400	99	0	79	0	193	0	161	0	0	0	0	0	183	0	259	132	0	180	0	254	91	195	0	224	157	185	0	248	155	0	0	0	0
500	139	0	109	0	212	0	193	0	0	0	0	0	202	0	229	142	0	202	0	261	136	203	0	231	177	190	0	237	166	0	0	0	0
600	127	0	106	0	194	0	166	0	0	0	0	0	208	0	250	150	0	206	0	266	90	206	0	239	175	192	0	228	133	0	0	0	0
700	99	0	90	0	165	0	147	0	0	0	0	0	199	0	269	131	0	193	0	260	99	205	0	262	146	192	0	246	131	0	0	0	0
800	104	0	83	0	140	0	130	0	0	0	0	0	218	0	263	150	0	214	0	256	165	220	0	259	186	205	0	234	184	0	0	0	0
900	117	0	101	0	187	0	144	0	0	0	0	0	227	0	269	195	0	222	0	267	170	222	0	245	183	206	0	232	177	0	0	0	0
1000	141	0	119	0	203	0	181	0	0	0	0	0	216	0	262	161	0	216	0	268	134	216	0	247	185	201	0	233	168	0	0	0	0
1100	165	0	146	0	235	0	217	0	0	0	0	0	226	0	272	185	0	223	0	266	176	225	0	261	197	212	0	254	182	0	0	0	0
1200	147	0	125	0	211	0	197	0	0	0	0	0	224	0	258	163	0	225	0	275	182	217	0	257	185	206	0	259	171	0	0	0	0
1300	155	0	130	0	214	0	198	0	0	0	0	0	219	0	258	140	0	218	0	269	142	218	0	258	158	201	0	247	162	0	0	0	0
1400	169	0	147	0	238	0	235	0	0	0	0	0	228	0	262	190	0	229	0	276	185	227	0	255	199	212	0	246	183	0	0	0	0
1500	113	0	93	0	170	0	170	0	0	0	0	0	219	0	255	146	0	218	0	256	88	225	0	247	197	209	0	237	185	0	0	0	0
1600	106	0	103	0	146	0	156	0	0	0	0	0	242	0	277	218	0	240	0	277	210	246	0	265	213	230	0	251	204	0	0	0	0
1700	46	0	42	0	66	0	73	0	0	0	0	0	290	0	338	247	0	282	0	321	229	308	0	332	269	287	0	319	252	0	0	0	0
1800	9	0	147	2	35	0	31	0	0	0	0	0	282	0	345	184	0	281	0	356	180	314	0	353	279	292	0	331	254	0	0	0	0
1900	153	0	150	0	186	0	193	0	0	0	0	0	303	0	327	284	0	295	0	321	263	314	0	333	302	292	0	319	284	0	0	0	0
2000	132	0	127	0	171	0	167	0	0	0	0	0	341	0	6	302	0	334	0	1	304	350	0	11	317	329	0	349	298	0	0	0	0
2100	139	0	126	0	193	0	183	0	0	0	0	0	349	0	38	310	0	343	0	68	282	1	0	32	342	341	0	22	287	0	0	0	0
2200	205	0	197	0	226	0	221	0	0	0	0	0	25	0	47	352	0	19	0	79	315	18	0	42	325	1	0	27	331	0	0	0	0
2300	226	0	212	0	209	0	281	0	0	0	0	0	30	0	52	8	0	25	0	80	348	23	0	51	355	6	0	31	336	0	0	0	0
2400	190	0	173	0	232	0	227	0	0	0	0	0	28	0	48	9	0	22	0	68	349	23	0	52	2	4	0	37	337	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2 180A	S	D.T. 3 180B	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	638	0	631	0	644	0	636	0	320	0	320	0	5	3	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
200	631	0	624	0	631	0	627	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
300	627	0	620	0	626	0	620	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
400	635	0	627	0	631	0	627	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
500	651	0	644	0	644	0	640	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
600	658	0	653	0	649	0	644	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
700	663	0	658	0	649	0	645	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
800	671	0	665	0	656	0	653	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
900	671	0	665	0	653	0	649	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1000	687	0	680	0	662	0	658	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1100	689	0	681	0	662	0	658	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1200	696	0	689	0	667	0	663	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1300	694	0	689	0	662	0	658	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1400	687	0	681	0	665	0	662	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1500	573	0	568	0	573	0	570	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1600	608	0	602	0	599	0	595	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1700	570	0	564	0	602	0	598	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1800	546	0	541	0	545	0	539	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1900	431	0	424	0	410	0	406	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2000	415	0	410	0	406	0	402	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2100	419	0	411	0	410	0	406	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2200	433	0	426	0	432	0	419	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2300	433	0	426	0	432	0	419	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2400	424	0	419	0	435	0	411	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRRCTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	214	0	202	0	207	0	263	0	0	0	0	0	31	0	57	347	30	0	80	353	26	0	49	4	8	0	34	344	0	0	0	U	U
200	236	0	225	0	291	0	285	0	0	0	0	0	35	0	60	10	33	0	83	354	29	0	55	348	11	0	48	337	0	0	0	U	U
300	206	0	194	0	249	0	240	0	0	0	0	0	32	0	54	10	28	0	83	359	32	0	62	2	13	0	48	339	0	0	0	U	U
400	212	0	198	0	297	0	259	0	0	0	0	0	30	0	55	11	25	0	82	341	30	0	58	6	12	0	47	349	0	0	0	U	U
500	195	0	185	0	231	0	218	0	0	0	0	0	31	0	51	17	27	0	82	349	29	0	51	0	11	0	40	346	0	0	0	U	U
600	184	0	172	0	209	0	203	0	0	0	0	0	31	0	71	13	28	0	84	356	31	0	45	0	11	0	35	348	0	0	0	U	U
700	167	0	160	0	189	0	190	0	0	0	0	0	30	0	59	347	24	0	79	343	27	0	53	359	9	0	31	347	0	0	0	U	U
800	157	0	148	0	182	0	181	0	0	0	0	0	32	0	59	7	29	0	82	348	26	0	66	355	8	0	47	334	0	0	0	U	U
900	173	0	162	0	210	0	206	0	0	0	0	0	26	0	71	343	18	0	69	345	18	0	53	341	2	0	33	330	0	0	0	U	U
1000	133	0	120	0	201	0	203	0	0	0	0	0	15	0	78	334	12	0	95	313	5	0	38	321	344	0	47	287	0	0	0	U	U
1100	123	0	117	0	201	0	199	0	0	0	0	0	16	0	53	280	17	0	83	300	2	0	29	302	344	0	9	293	0	0	0	U	U
1200	109	0	101	0	167	0	167	0	0	0	0	0	11	0	72	302	5	0	68	277	3	0	42	317	345	0	30	303	0	0	0	U	U
1300	114	0	99	0	136	0	174	0	0	0	0	0	358	0	67	308	353	0	82	280	4	0	55	310	345	0	37	304	0	0	0	U	U
1400	144	0	137	0	201	0	200	0	0	0	0	0	19	0	51	334	14	0	79	317	7	0	51	281	347	0	34	321	0	0	0	U	U
1500	124	0	119	0	191	0	189	0	0	0	0	0	17	0	127	305	15	0	141	281	7	0	56	327	348	0	33	298	0	0	0	U	U
1600	133	0	124	0	197	0	195	0	0	0	0	0	13	0	60	320	6	0	85	272	7	0	33	318	349	0	16	309	0	0	0	U	U
1700	125	0	117	0	167	0	168	0	0	0	0	0	23	0	48	326	16	0	76	317	9	0	40	331	351	0	33	303	0	0	0	U	U
1800	130	0	121	0	172	0	170	0	0	0	0	0	18	0	48	323	12	0	79	316	11	0	43	325	350	0	21	291	0	0	0	U	U
1900	118	0	108	0	165	0	169	0	0	0	0	0	21	0	65	355	19	0	79	317	13	0	38	334	355	0	28	317	0	0	0	U	U
2000	107	0	98	0	144	0	140	0	0	0	0	0	24	0	52	339	22	0	83	327	16	0	40	348	358	0	20	323	0	0	0	U	U
2100	97	0	88	0	117	0	117	0	0	0	0	0	33	0	65	11	31	0	79	350	28	0	48	1	10	0	39	347	0	0	0	U	U
2200	92	0	84	0	119	0	117	0	0	0	0	0	32	0	50	15	31	0	82	1	28	0	45	16	10	0	25	357	0	0	0	U	U
2300	77	0	81	0	113	0	124	0	0	0	0	0	54	0	78	31	62	0	85	30	51	0	76	34	33	0	52	18	0	0	0	0	U
2400	62	0	69	0	91	0	111	0	0	0	0	0	50	0	74	44	70	0	85	35	54	0	67	47	37	0	45	23	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	404	0	399	0	397	0	393	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
200	399	0	393	0	393	0	390	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
300	406	0	399	0	399	0	395	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
400	410	0	402	0	402	0	399	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
500	408	0	402	0	401	0	395	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
600	408	0	401	0	399	0	395	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
700	410	0	402	0	401	0	397	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
800	411	0	404	0	401	0	397	0	320	0	320	0	-12	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
900	409	0	402	0	395	0	393	0	320	0	320	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
1000	410	0	402	0	393	0	390	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
1100	411	0	406	0	393	0	390	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
1200	411	0	406	0	392	0	388	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
1300	417	0	411	0	398	0	384	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
1400	404	0	399	0	386	0	383	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
1500	401	0	395	0	383	0	379	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
1600	399	0	392	0	379	0	377	0	320	0	320	0	-19	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
1700	401	0	395	0	384	0	381	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
1800	399	0	393	0	384	0	381	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
1900	395	0	390	0	384	0	381	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
2000	388	0	381	0	383	0	379	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
2100	390	0	383	0	384	0	381	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
2200	397	0	390	0	392	0	388	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
2300	392	0	384	0	392	0	388	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	U	39
2400	[redacted]	0	377	0	395	0	392	0	320	0	320	0	9	0	10	0	[redacted]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	[redacted]	U	39

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	72	0	74	0	101	0	118	0	0	0	0	0	55	0	81	38	65	0	86	29	53	0	73	45	36	0	59	24	0	0	0	0	0	
200	76	0	77	0	107	0	127	0	0	0	0	0	75	0	91	55	73	0	92	59	70	0	89	58	54	0	65	47	0	0	0	0	0	
300	87	0	79	0	138	0	134	0	0	0	0	0	87	0	103	77	86	0	98	75	81	0	85	77	65	0	69	59	0	0	0	0	0	
400	79	0	71	0	127	0	122	0	0	0	0	0	83	0	89	76	81	0	90	75	77	0	81	73	61	0	65	58	0	0	0	0	0	
500	83	0	81	0	124	0	132	0	0	0	0	0	75	0	81	67	73	0	80	64	76	0	81	68	60	0	65	54	0	0	0	0	0	
600	61	0	66	0	87	0	104	0	0	0	0	0	55	0	79	44	66	0	85	32	55	0	61	50	40	0	47	33	0	0	0	0	0	
700	60	0	63	0	79	0	93	0	0	0	0	0	57	0	93	31	61	0	97	29	58	0	81	39	42	0	72	24	0	0	0	0	0	
800	35	0	32	0	35	0	29	0	0	0	0	0	77	0	109	53	76	0	129	16	75	3	113	32	56	3	90	1	0	0	0	0	0	
900	51	0	46	0	48	0	49	0	0	0	0	0	334	0	3	285	330	0	39	277	349	0	10	322	328	0	358	292	0	0	0	0	0	
1000	81	0	71	0	94	0	89	0	0	0	0	0	346	0	35	284	338	0	80	300	0	0	40	322	341	0	26	306	0	0	0	0	0	
1100	95	0	86	0	104	0	103	0	0	0	0	0	345	0	37	301	339	0	119	270	4	0	49	317	346	0	15	314	0	0	0	0	0	
1200	82	0	75	0	91	0	90	0	0	0	0	0	31	0	52	1	30	0	85	345	30	0	54	9	10	0	30	328	0	0	0	0	0	
1300	102	0	94	0	118	0	116	0	0	0	0	0	340	0	18	273	332	0	8	275	351	0	21	320	331	0	8	301	0	0	0	0	0	
1400	91	0	86	0	117	0	116	0	0	0	0	0	346	0	22	294	342	0	38	270	355	0	19	314	338	0	22	295	0	0	0	0	0	
1500	103	0	95	0	128	0	124	0	0	0	0	0	347	0	31	310	336	0	34	279	1	0	43	325	344	0	38	301	0	0	0	0	0	
1600	83	0	78	0	105	0	104	0	0	0	0	0	340	0	28	285	331	0	34	274	358	0	27	298	343	0	59	275	0	0	0	0	0	
1700	75	0	68	0	101	0	104	0	0	0	0	0	352	0	77	286	345	0	85	270	9	0	167	322	348	0	45	290	0	0	0	0	0	
1800	93	0	87	0	110	0	108	0	0	0	0	0	350	0	29	290	343	0	80	290	2	0	28	321	344	0	24	313	0	0	0	0	0	
1900	76	0	67	0	92	0	90	0	0	0	0	0	22	0	49	343	13	0	73	316	15	0	47	334	357	0	31	301	0	0	0	0	0	
2000	70	0	64	0	87	0	86	0	0	0	0	0	31	0	51	3	27	0	80	354	31	0	51	4	11	0	38	359	0	0	0	0	0	
2100	44	0	45	0	64	0	69	0	0	0	0	0	52	0	70	36	62	0	85	356	48	0	61	33	30	0	44	16	0	0	0	0	0	
2200	71	0	66	0	85	0	103	0	0	0	0	0	80	0	99	69	79	0	102	63	67	0	76	61	51	0	58	39	0	0	0	0	0	
2300	69	0	63	0	108	0	115	0	0	0	0	0	85	0	100	75	85	0	120	63	76	0	85	69	60	0	67	50	0	0	0	0	0	
2400	77	0	69	0	120	0	126	0	0	0	0	0	91	0	104	83	88	0	101	75	81	0	86	79	65	0	71	62	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	Rain
100	384	0	377	0	388	0	384	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	35
200	370	0	361	0	375	0	370	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
300	359	0	352	0	375	0	372	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
400	348	0	339	0	366	0	363	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
500	341	0	334	0	361	0	356	0	320	0	320	0	16	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
600	336	0	327	0	343	0	339	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
700	357	0	352	0	345	0	339	0	320	0	320	0	-12	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
800	395	0	390	0	383	0	379	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
900	431	0	426	0	421	0	408	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
1000	429	0	424	0	420	0	406	0	320	0	320	0	-19	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
1100	435	0	429	0	427	0	413	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
1200	404	0	397	0	395	0	392	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
1300	440	0	435	0	430	0	406	0	320	0	320	0	-30	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
1400	453	0	447	0	439	0	415	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
1500	446	0	440	0	439	0	415	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
1600	447	0	442	0	435	0	411	0	320	0	320	0	-32	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
1700	440	0	435	0	427	0	413	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
1800	428	0	422	0	421	0	408	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
1900	413	0	406	0	402	0	397	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
2000	399	0	392	0	392	0	386	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
2100	392	0	383	0	392	0	386	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
2200	384	0	379	0	393	0	388	0	320	0	320	0	7	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
2300	375	0	366	0	392	0	388	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39
2400	379	0	372	0	402	0	399	0	320	0	320	0	21	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	39

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	93	0	87	0	105	0	153	0	0	0	0	0	103	0	110	96	100	0	125	88	93	0	96	90	78	0	82	76	0	0	0	0	0
200	96	0	88	0	140	0	141	0	0	0	0	0	108	0	113	100	109	0	129	89	105	0	111	100	91	0	99	84	0	0	0	0	0
300	93	0	85	0	142	0	149	0	0	0	0	0	112	0	116	107	116	0	128	89	129	0	134	124	116	0	121	111	0	0	0	0	0
400	100	0	97	0	104	0	170	0	0	0	0	0	132	0	138	125	132	0	141	123	148	0	152	145	135	0	138	132	0	0	0	0	0
500	95	0	95	0	156	0	161	0	0	0	0	0	133	0	138	126	133	0	141	125	149	0	152	146	136	0	139	134	0	0	0	0	0
600	84	0	79	0	166	0	172	0	0	0	0	0	136	0	149	124	135	0	173	119	154	0	157	152	141	0	143	138	0	0	0	0	0
700	76	0	73	0	120	0	126	0	0	0	0	0	132	0	149	121	133	0	144	119	154	0	165	145	140	0	151	127	0	0	0	0	0
800	70	0	67	0	87	0	89	0	0	0	0	0	134	0	166	113	133	0	173	117	157	0	176	123	144	0	161	126	0	0	0	0	0
900	71	0	67	0	90	0	95	0	0	0	0	0	150	0	181	108	152	0	219	119	162	0	183	132	152	0	170	132	0	0	0	0	0
1000	33	0	27	0	49	0	49	0	0	0	0	0	184	0	267	90	178	3	263	92	173	0	243	90	164	0	249	98	0	0	0	0	0
1100	59	0	52	0	87	0	60	0	0	0	0	0	279	0	341	246	272	0	320	231	275	0	313	233	259	0	318	231	0	0	0	0	0
1200	57	0	51	0	89	0	62	0	0	0	0	0	304	0	329	259	291	0	320	258	312	0	336	287	292	0	316	273	0	0	0	0	0
1300	69	0	64	0	75	0	70	0	0	0	0	0	335	0	15	298	329	0	5	270	346	0	32	314	326	0	8	294	0	0	0	0	0
1400	86	0	78	0	98	0	97	0	0	0	0	0	350	0	29	297	346	0	74	274	4	0	23	328	346	0	75	310	0	0	0	0	0
1500	69	0	62	0	85	0	87	0	0	0	0	0	4	0	55	301	1	0	84	281	5	0	46	287	349	0	31	275	0	0	0	0	0
1600	37	0	32	0	81	0	55	0	0	0	0	0	338	0	40	270	343	0	80	271	5	0	60	297	349	0	48	300	0	0	0	0	0
1700	64	0	58	0	63	0	63	0	0	0	0	0	2	0	51	280	0	0	74	291	20	0	46	303	1	0	62	292	0	0	0	0	0
1800	47	0	41	0	42	0	45	0	0	0	0	0	25	0	48	359	20	0	84	349	27	0	54	355	8	0	35	325	0	0	0	0	0
1900	24	0	24	0	37	0	46	0	0	0	0	0	62	3	80	34	76	3	86	18	67	0	85	49	50	0	68	27	0	0	0	0	0
2000	45	0	47	0	35	0	37	0	0	0	0	0	55	0	67	45	76	0	84	62	100	0	118	79	86	0	104	71	0	0	0	0	0
2100	63	0	65	0	47	0	50	0	0	0	0	0	66	0	75	60	70	0	79	58	120	0	130	111	108	0	116	94	0	0	0	0	0
2200	69	0	61	0	68	0	73	0	0	0	0	0	87	0	95	78	85	0	96	75	143	0	154	130	130	0	143	117	0	0	0	0	0
2300	69	0	63	0	104	0	109	0	0	0	0	0	115	0	122	109	123	0	129	115	157	0	164	151	146	0	151	139	0	0	0	0	0
2400	69	0	61	0	117	0	123	0	0	0	0	0	133	0	139	125	132	0	136	124	158	0	164	152	145	0	150	139	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	S	MISC 5	MISC 6	MISC 7	S	MAIN	S
100	381	0	375	0	449	0	446	0	320	0	320	0	68	0	70	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
200	381	0	374	0	439	0	415	0	320	0	320	0	37	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
300	379	0	372	0	439	0	424	0	320	0	320	0	50	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
400	388	0	381	0	446	0	440	0	320	0	320	0	57	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
500	401	0	393	0	437	0	433	0	320	0	320	0	37	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
600	395	0	388	0	439	0	424	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
700	422	0	417	0	428	0	424	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
800	482	0	476	0	485	0	462	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
900	548	0	543	0	518	0	512	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
1000	588	0	582	0	557	0	559	0	320	0	320	0	-30	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
1100	579	0	575	0	596	0	569	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
1200	575	0	572	0	584	0	552	0	320	0	320	0	-21	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
1300	593	0	588	0	570	0	568	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
1400	588	0	584	0	566	0	564	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
1500	586	0	582	0	564	0	561	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
1600	609	0	606	0	570	0	568	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
1700	604	0	600	0	579	0	575	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
1800	593	0	590	0	577	0	575	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
1900	586	0	581	0	590	0	586	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
2000	543	0	534	0	582	0	577	0	320	0	320	0	48	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
2100	532	0	523	0	590	0	586	0	320	0	320	0	66	0	66	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
2200	527	0	519	0	590	0	584	0	320	0	320	0	70	0	72	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
2300	527	0	519	0	586	0	581	0	320	0	320	0	69	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0
24	536	0	530	0	573	0	568	0	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	39	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .0 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	WIND DIR2			WIND DIR3			WIND DIR4	WIND DIR5			WIND DIR6	
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		MIN	MAX	S	MIN	MAX	S		MIN	MAX	S		
100	86	0	79	0	144	0	142	0	0	0	0	0	115	118	111	0	121	129	87	139	141	136	126	0	128	122	0	0	0	0	0	0
200	85	0	80	0	141	0	157	0	0	0	0	0	135	145	129	0	135	141	124	147	151	145	134	0	138	130	0	0	0	0	0	0
300	75	0	70	0	161	0	168	0	0	0	0	0	154	175	135	0	153	187	126	163	167	157	151	0	156	147	0	0	0	0	0	0
400	71	0	69	0	149	0	157	0	0	0	0	0	136	148	126	0	138	174	126	165	168	162	153	0	156	150	0	0	0	0	0	0
500	73	0	70	0	138	0	146	0	0	0	0	0	137	144	129	0	137	172	123	164	167	162	152	0	156	150	0	0	0	0	0	0
600	80	0	74	0	137	0	143	0	0	0	0	0	123	130	118	0	126	135	119	151	154	147	138	0	142	135	0	0	0	0	0	0
700	84	0	74	0	103	0	148	0	0	0	0	0	128	135	120	0	129	140	119	146	152	140	133	0	140	127	0	0	0	0	0	0
800	74	0	71	0	98	0	101	0	0	0	0	0	132	179	113	0	132	175	85	148	171	127	136	0	161	113	0	0	0	0	0	0
900	88	0	90	0	139	0	125	0	0	0	0	0	138	179	114	0	137	173	88	149	182	122	137	0	158	120	0	0	0	0	0	0
1000	88	0	88	0	113	0	135	0	0	0	0	0	142	186	109	0	142	213	118	158	210	121	147	0	188	122	0	0	0	0	0	0
1100	75	0	72	0	98	0	102	0	0	0	0	0	134	178	83	0	133	173	65	142	171	76	131	0	172	96	0	0	0	0	0	0
1200	70	0	63	0	85	0	86	0	0	0	0	0	156	269	94	0	158	253	91	158	256	100	147	0	219	91	0	0	0	0	0	0
1300	69	0	65	0	89	0	90	0	0	0	0	0	147	230	102	0	149	225	92	155	194	117	142	0	189	109	0	0	0	0	0	0
1400	45	0	40	0	61	0	62	0	0	0	0	0	171	267	97	0	175	269	95	161	266	99	147	0	269	97	0	0	0	0	0	0
1500	63	0	59	0	87	0	92	0	0	0	0	0	147	266	94	0	146	258	90	149	204	95	138	0	186	96	0	0	0	0	0	0
1600	65	0	64	2	100	0	104	2	0	0	0	0	144	204	94	0	146	218	93	148	191	117	138	2	171	109	0	0	0	0	0	0
1700	72	0	67	0	98	0	104	0	0	0	0	0	138	201	110	0	141	210	119	145	171	116	135	0	172	111	0	0	0	0	0	0
1800	57	0	53	0	70	0	75	0	0	0	0	0	132	203	96	0	130	168	85	139	158	112	126	0	147	98	0	0	0	0	0	0
1900	62	0	57	0	77	0	85	0	0	0	0	0	121	136	104	0	124	140	85	133	146	122	121	0	139	106	0	0	0	0	0	0
2000	60	0	56	0	92	0	103	0	0	0	0	0	123	131	113	0	124	135	119	131	137	126	119	0	123	112	0	0	0	0	0	0
2100	66	0	59	0	122	0	122	0	0	0	0	0	128	136	118	0	130	140	119	140	145	136	127	0	132	123	0	0	0	0	0	0
2200	91	0	83	0	137	0	139	0	0	0	0	0	117	123	113	0	121	129	118	130	134	125	118	0	121	114	0	0	0	0	0	0
2300	97	0	90	0	168	0	170	0	0	0	0	0	127	141	119	0	129	140	119	137	142	131	124	0	131	120	0	0	0	0	0	0
2400	89	0	88	0	181	0	188	0	0	0	0	0	135	147	124	0	136	173	119	148	154	142	135	0	142	127	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		
	30 A	S	30 B	S	100A	S	100B	S		S		S	100A	S	100B	S		S		S		S		S		S		S		S		S	MMAM
100	509	0	501	0	501	0	557	0	320	0	320	0	57	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
200	509	0	503	0	500	0	546	0	320	0	320	0	45	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
300	503	0	496	0	498	0	543	0	320	0	320	0	48	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
400	491	0	483	0	498	0	543	0	320	0	320	0	59	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
500	478	0	473	0	537	0	532	0	320	0	320	0	61	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
600	469	0	464	0	523	0	519	0	320	0	320	0	57	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
700	483	0	478	0	531	0	516	0	320	0	320	0	37	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
800	554	0	548	0	576	0	532	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
900	600	0	595	0	575	0	572	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
1000	629	0	624	0	597	0	593	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
1100	651	0	647	0	620	0	617	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
1200	680	0	676	0	644	0	640	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
1300	693	0	690	0	662	0	658	0	320	0	320	0	-28	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
1400	712	0	708	0	683	0	680	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
1500	737	0	735	0	699	0	696	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
1600	719	0	716	2	699	2	694	2	320	0	320	0	-14	0	-16	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
1700	726	0	721	0	701	0	696	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
1800	712	0	705	0	696	0	690	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
1900	705	0	699	0	692	0	687	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
2000	674	0	667	0	683	0	678	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
2100	656	0	649	0	680	0	674	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
2200	633	0	626	0	645	0	660	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
2300	609	0	604	0	640	0	636	0	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3
2400	599	0	591	0	631	0	627	0	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 =. INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	99	0	91	0	147	0	149	0	0	0	0	0	120	0	127	116	122	0	130	118	136	0	143	130	124	0	129	118	0	0	0	0
200	100	0	92	0	158	0	169	0	0	0	0	0	124	0	130	118	126	0	140	118	134	0	139	130	122	0	128	120	0	0	0	0
300	115	0	109	0	172	0	186	0	0	0	0	0	124	0	134	116	126	0	140	116	133	0	139	119	120	0	128	113	0	0	0	0
400	124	0	118	0	170	0	187	0	0	0	0	0	122	0	133	112	125	0	150	91	131	0	144	120	119	0	129	106	0	0	0	0
500	116	0	113	0	174	0	197	0	0	0	0	0	128	0	138	119	130	0	140	119	140	0	151	130	128	0	135	117	0	0	0	0
600	106	0	101	0	160	0	170	0	0	0	0	0	124	0	135	111	127	0	142	117	136	0	143	125	124	0	132	115	0	0	0	0
700	106	0	106	0	159	0	166	0	0	0	0	0	127	0	140	107	128	0	140	89	139	0	153	125	125	0	142	112	0	0	0	0
800	99	0	96	0	144	0	145	0	0	0	0	0	133	0	164	108	132	0	179	90	144	0	169	128	132	0	151	113	0	0	0	0
900	98	0	98	0	145	0	151	0	0	0	0	0	138	0	174	111	138	0	185	110	148	0	167	128	136	0	150	116	0	0	0	0
1000	108	0	106	0	152	0	158	0	0	0	0	0	138	0	172	113	139	0	179	117	149	0	171	133	138	0	155	122	0	0	0	0
1100	103	0	109	0	138	0	144	0	0	0	0	0	133	0	160	114	134	0	169	118	140	0	156	125	128	0	144	114	0	0	0	0
1200	103	0	94	0	135	0	145	0	0	0	0	0	118	0	137	103	122	0	140	87	122	0	140	112	110	0	130	90	0	0	0	0
1300	77	0	78	0	134	0	117	0	0	0	0	0	133	0	176	79	133	0	179	85	148	0	172	116	136	0	163	106	0	0	0	0
1400	105	0	102	0	139	0	143	0	0	0	0	0	129	0	158	105	131	0	170	92	137	0	159	113	126	0	144	105	0	0	0	0
1500	111	0	116	0	147	0	157	0	0	0	0	0	131	0	151	109	132	0	171	100	141	0	166	117	130	0	145	111	0	0	0	0
1600	115	0	117	0	102	0	168	0	0	0	0	0	135	0	170	102	135	0	185	94	142	0	175	118	132	0	163	111	0	0	0	0
1700	86	0	83	0	128	0	123	0	0	0	0	0	135	0	180	105	136	0	179	73	143	0	171	121	132	0	157	108	0	0	0	0
1800	91	0	87	0	133	0	121	0	0	0	0	0	123	0	140	95	125	0	140	85	129	0	149	102	118	0	139	93	0	0	0	0
1900	108	0	105	0	136	0	141	0	0	0	0	0	121	0	137	101	123	0	140	89	128	0	148	92	117	0	128	83	0	0	0	0
2000	116	0	110	0	146	0	157	0	0	0	0	0	120	0	141	106	122	0	140	90	125	0	144	111	114	0	136	91	0	0	0	0
2100	112	0	104	0	147	0	160	0	0	0	0	0	122	0	138	102	123	0	140	85	128	0	151	114	119	0	135	107	0	0	0	0
2200	109	0	102	0	146	0	158	0	0	0	0	0	125	0	138	111	128	0	140	119	132	0	146	117	122	0	142	100	0	0	0	0
2300	102	0	97	0	136	0	146	0	0	0	0	0	125	0	142	113	126	0	140	90	133	0	151	121	123	0	136	109	0	0	0	0
2400	101	0	99	0	145	0	160	0	0	0	0	0	129	0	161	109	130	0	170	119	142	0	158	125	131	0	148	112	0	0	0	0

	AMB. TEMP1 30 A	S	AMB. TEMP2 30 B	S	AMB. TEMP3 150A	S	AMB. TEMP4 150B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S-RAIN	S
100	577	0	572	0	602	0	599	0	320	0	320	0	28	0	30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
200	572	0	566	0	591	0	586	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
300	568	0	563	0	581	0	577	0	320	0	320	0	19	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
400	561	0	555	0	566	0	564	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
500	550	0	543	0	559	0	559	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
600	548	0	543	0	548	0	545	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
700	566	0	561	0	563	0	557	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
800	608	0	602	0	593	0	588	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
900	642	0	635	0	622	0	617	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
1000	671	0	665	0	645	0	640	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
1100	698	0	692	0	676	0	672	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
1200	716	0	710	0	705	0	699	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
1300	743	0	739	0	739	0	716	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
1400	750	0	744	0	730	0	723	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
1500	764	0	759	0	743	0	737	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
1600	773	0	770	0	750	0	744	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
1700	759	0	753	0	743	0	737	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
1800	746	0	741	0	730	0	725	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
1900	728	0	723	0	714	0	708	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
2000	707	0	701	0	698	0	694	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
2100	692	0	687	0	690	0	685	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
2200	680	0	672	0	678	0	672	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
2300	669	0	663	0	665	0	662	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0
2400	645	0	640	0	642	0	636	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	39	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S			50 B S			150A S			150B S			S			S	
100	113	0	113	0	102	0	167	0	0	0	0	0	128 0	142	116	131	0	140	119	136	0	155	115	125	0	140	109	0	0	0	0	0	0
200	109	0	96	0	127	0	140	0	0	0	0	0	121 0	131	111	126	0	140	92	130	0	143	117	120	0	138	107	0	0	0	0	0	0
300	92	0	88	0	139	0	146	0	0	0	0	0	130 0	159	113	131	0	174	86	142	0	155	129	131	0	146	119	0	0	0	0	0	0
400	91	0	91	0	133	0	138	0	0	0	0	0	127 0	143	113	129	0	152	87	140	0	151	124	131	0	146	119	0	0	0	0	0	0
500	91	0	86	0	134	0	141	0	0	0	0	0	129 0	164	115	131	0	171	119	137	0	168	124	127	0	147	110	0	0	0	0	0	0
600	70	0	69	0	109	0	112	0	0	0	0	0	130 0	155	115	133	0	172	119	144	0	157	130	133	0	149	120	0	0	0	0	0	0
700	87	0	78	0	107	0	115	0	0	0	0	0	124 0	145	103	125	0	140	86	134	0	152	120	123	0	141	107	0	0	0	0	0	0
800	68	0	65	0	98	0	103	0	0	0	0	0	124 0	160	94	126	0	173	85	133	0	155	108	125	0	149	96	0	0	0	0	0	0
900	64	0	64	0	90	0	93	0	0	0	0	0	140 0	218	109	142	0	225	91	157	0	193	123	146	0	180	115	0	0	0	0	0	0
1000	85	0	81	0	105	0	111	0	0	0	0	0	129 0	171	101	130	0	173	85	145	0	178	114	133	0	180	105	0	0	0	0	0	0
1100	80	0	76	0	107	0	114	0	0	0	0	0	132 0	183	109	134	0	179	82	145	0	189	122	134	0	158	112	0	0	0	0	0	0
1200	65	0	63	0	99	0	102	0	0	0	0	0	147 0	204	99	149	0	231	95	158	0	191	129	148	0	184	119	0	0	0	0	0	0
1300	37	0	34	0	80	0	55	0	0	0	0	0	165 0	262	91	159	0	258	90	175	0	232	99	163	0	229	111	0	0	0	0	0	0
1400	76	0	66	0	106	0	99	0	0	0	0	0	167 0	254	98	169	0	256	95	172	0	227	137	161	0	232	123	0	0	0	0	0	0
1500	37	0	34	0	39	0	33	0	0	0	0	0	306 0	348	184	303	0	352	235	197	0	269	99	195	0	267	91	0	0	0	0	0	0
1600	32	0	28	0	42	0	45	0	0	0	0	0	93 0	145	99	96	3	175	63	126	0	177	76	112	0	160	64	0	0	0	0	0	0
1700	69	0	63	0	99	0	105	0	0	0	0	0	142 0	177	109	143	0	179	79	153	0	191	95	143	0	176	112	0	0	0	0	0	0
1800	103	0	99	0	138	0	140	0	0	0	0	0	126 0	186	102	129	0	179	86	137	0	171	120	126	0	156	107	0	0	0	0	0	0
1900	53	0	51	0	99	0	103	0	0	0	0	0	152 0	197	116	159	0	215	90	166	0	185	138	153	0	179	127	0	0	0	0	0	0
2000	42	0	39	0	90	0	96	0	0	0	0	0	139 0	166	120	137	0	179	87	155	0	161	145	144	0	151	130	0	0	0	0	0	0
2100	37	0	32	0	87	0	86	0	0	0	0	0	149 0	180	126	148	0	185	119	171	0	179	159	159	0	168	145	0	0	0	0	0	0
2200	56	0	50	0	115	0	116	0	0	0	0	0	158 0	194	133	160	0	212	123	171	0	185	159	157	0	168	145	0	0	0	0	0	0
2300	71	0	61	0	140	0	135	0	0	0	0	0	159 0	243	94	158	0	230	90	170	0	211	134	159	0	197	124	0	0	0	0	0	0
2400	59	0	53	0	97	0	102	0	0	0	0	0	270 0	313	239	264	0	315	225	274	0	315	250	258	0	297	235	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN
	30 A	S	30 B	S	120A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	633	0	627	0	630	0	615	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	613	0	606	0	609	0	595	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	604	0	597	0	591	0	588	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	595	0	590	0	586	0	581	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	593	0	588	0	582	0	577	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	588	0	582	0	579	0	575	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	588	0	582	0	579	0	575	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	609	0	604	0	593	0	590	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	662	0	658	0	633	0	629	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	689	0	685	0	663	0	658	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	696	0	690	0	674	0	669	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	719	0	708	0	690	0	687	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	741	0	737	0	710	0	707	0	320	0	320	0	-28	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	753	0	750	0	736	0	712	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	680	0	674	0	699	0	694	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	714	0	712	0	707	0	701	0	320	0	320	0	1	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	753	0	750	0	736	0	723	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	753	0	748	0	732	0	726	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	749	0	739	0	726	0	721	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	723	0	716	0	727	0	712	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	710	0	703	0	708	0	703	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	701	0	696	0	703	0	698	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	687	0	681	0	685	0	680	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	588	0	581	0	595	0	591	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	38	0	34	0	85	0	58	0	0	0	0	0	69	0	173	0	76	0	175	0	39	0	88	9	21	0	79	353	0	0	0	0	
200	52	0	51	0	98	0	101	0	0	0	0	0	143	0	203	119	144	0	215	117	157	0	191	140	146	0	183	129	0	0	0	0	
300	44	0	37	0	89	0	81	0	0	0	0	0	176	0	235	133	172	0	254	90	183	0	208	155	170	0	256	139	0	0	0	0	
400	49	0	40	0	101	0	86	0	0	0	0	0	191	0	237	140	188	0	266	95	198	0	219	170	186	0	265	166	0	0	0	0	
500	61	0	49	0	91	0	87	0	0	0	0	0	221	0	258	170	219	0	266	131	216	0	272	191	202	0	225	173	0	0	0	0	
600	81	0	67	0	134	0	104	0	0	0	0	0	222	0	263	169	218	0	264	164	217	0	264	179	203	0	235	167	0	0	0	0	
700	65	0	55	0	91	0	95	0	0	0	0	0	232	0	264	178	229	0	266	169	229	0	261	191	213	0	239	186	0	0	0	0	
800	78	0	71	0	137	0	124	0	0	0	0	0	233	0	263	210	236	0	301	181	238	0	263	209	223	0	254	202	0	0	0	0	
900	70	0	66	0	135	0	124	0	0	0	0	0	238	0	267	214	235	0	272	209	241	0	257	222	225	0	267	210	0	0	0	0	
1000	79	0	74	0	135	0	134	0	0	0	0	0	245	0	273	213	245	0	276	216	255	0	270	236	239	0	254	217	0	0	0	0	
1100	38	0	34	0	44	0	51	0	0	0	0	0	293	0	329	247	283	0	316	254	288	0	317	252	268	0	290	241	0	0	0	0	
1200	73	0	67	0	113	0	115	0	0	0	0	0	341	0	29	301	335	0	39	300	345	0	5	335	324	0	349	314	0	0	0	0	
1300	91	0	87	0	113	0	111	0	0	0	0	0	23	0	42	285	16	0	80	305	16	0	61	337	359	0	42	305	0	0	0	0	
1400	57	0	54	0	59	0	60	0	0	0	0	0	34	0	135	0	28	0	120	315	31	0	86	354	14	0	71	331	0	0	0	0	
1500	42	0	37	0	68	0	68	0	0	0	0	0	6	0	94	285	0	0	90	270	11	0	52	330	351	0	59	297	0	0	0	0	
1600	52	0	47	0	49	0	70	0	0	0	0	0	23	0	118	306	23	0	85	308	9	0	80	298	350	0	119	303	0	0	0	0	
1700	105	0	96	0	142	0	148	0	0	0	0	0	348	0	21	302	342	0	39	270	357	0	24	332	337	0	3	309	0	0	0	0	
1800	104	0	98	0	142	0	143	0	0	0	0	0	19	0	57	327	12	0	80	301	8	0	56	339	349	0	38	320	0	0	0	0	
1900	126	0	117	0	142	0	140	0	0	0	0	0	27	0	56	338	21	0	84	306	22	0	51	355	4	0	35	338	0	0	0	0	
2000	104	0	96	0	141	0	136	0	0	0	0	0	25	0	62	350	23	0	89	326	20	0	48	352	5	0	32	345	0	0	0	0	
2100	92	0	85	0	134	0	132	0	0	0	0	0	23	0	50	342	16	0	82	315	19	0	46	350	1	0	27	337	0	0	0	0	
2200	66	0	59	0	99	0	97	0	0	0	0	0	357	0	40	304	351	0	80	285	3	0	34	337	345	0	15	323	0	0	0	0	
2300	82	0	75	0	110	0	108	0	0	0	0	0	353	0	55	322	348	0	92	308	358	0	31	331	338	0	37	310	0	0	0	0	
2400	110	0	107	0	147	0	146	0	0	0	0	0	340	0	19	300	331	0	39	275	344	0	17	322	324	0	1	305	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	604	0	597	0	608	0	602	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
200	600	0	595	0	602	0	599	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
300	606	0	599	0	600	0	595	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
400	604	0	597	0	600	0	595	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
500	609	0	609	0	609	0	599	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
600	611	0	606	0	604	0	599	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
700	613	0	606	0	604	0	600	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
800	609	0	604	0	600	0	597	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
900	582	0	577	0	584	0	579	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1000	600	0	595	0	609	0	608	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1100	566	0	563	0	594	0	550	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1200	546	0	539	0	541	0	537	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1300	534	0	528	0	535	0	519	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1400	564	0	561	0	561	0	537	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1500	523	0	518	0	520	0	507	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1600	503	0	498	0	494	0	489	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1700	485	0	478	0	479	0	471	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1800	473	0	467	0	465	0	462	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1900	491	0	485	0	482	0	476	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2000	480	0	474	0	471	0	467	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2100	485	0	480	0	478	0	474	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2200	487	0	482	0	476	0	473	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2300	462	0	456	0	453	0	447	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2400	440	0	438	0	435	0	429	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6
100	107	0	97	0	101	0	158	0	0	0	0	0	20	0	116	347	12	0	82	308	10	0	32	343	350	0	16	317	0	0	0
200	161	0	147	0	203	0	199	0	0	0	0	0	28	0	51	5	22	0	81	347	27	0	56	357	9	0	38	346	0	0	0
300	117	0	110	0	140	0	141	0	0	0	0	0	35	0	57	11	31	0	80	355	36	0	59	359	18	0	45	353	0	0	0
400	87	0	87	0	108	0	116	0	0	0	0	0	53	0	83	27	58	0	91	6	50	0	84	22	32	0	66	358	0	0	0
500	89	0	88	0	112	0	119	0	0	0	0	0	48	0	72	24	53	0	85	0	44	0	76	23	27	0	60	0	0	0	0
600	106	0	107	0	132	0	141	0	0	0	0	0	51	0	90	25	56	0	90	5	48	0	86	16	30	0	61	5	0	0	0
700	123	0	119	0	153	0	156	0	0	0	0	0	39	0	86	19	38	0	85	357	37	0	66	6	19	0	47	347	0	0	0
800	132	0	125	0	155	0	155	0	0	0	0	0	36	0	59	4	37	0	84	351	36	0	63	10	19	0	53	346	0	0	0
900	117	0	111	0	143	0	151	0	0	0	0	0	25	0	74	350	19	0	81	345	14	0	51	337	356	0	25	313	0	0	0
1000	121	0	108	0	157	0	159	0	0	0	0	0	23	0	55	338	18	0	83	320	18	0	49	338	359	0	31	320	0	0	0
1100	122	0	116	0	165	0	163	0	0	0	0	0	25	0	63	334	19	0	92	315	18	0	49	355	359	0	40	315	0	0	0
1200	98	0	91	0	149	0	150	0	0	0	0	0	19	0	100	302	7	0	79	279	7	0	46	314	346	0	24	300	0	0	0
1300	109	0	96	0	165	0	169	0	0	0	0	0	16	0	73	308	14	0	85	285	10	0	55	318	352	0	48	311	0	0	0
1400	118	0	117	0	171	0	173	0	0	0	0	0	23	0	56	314	16	0	83	273	15	0	47	336	355	0	31	320	0	0	0
1500	95	0	84	0	140	0	135	0	0	0	0	0	12	0	78	312	11	0	86	270	6	0	61	305	349	0	55	301	0	0	0
1600	88	0	81	0	138	0	128	0	0	0	0	0	22	0	87	324	20	0	93	302	12	0	46	329	351	0	53	308	0	0	0
1700	105	0	100	0	141	0	141	0	0	0	0	0	24	0	76	340	20	0	80	345	11	0	50	321	353	0	32	297	0	0	0
1800	102	0	94	0	143	0	147	0	0	0	0	0	17	0	95	304	19	0	124	315	8	0	49	307	349	0	32	304	0	0	0
1900	132	0	128	0	174	0	172	0	0	0	0	0	23	0	51	348	18	0	84	317	15	0	44	348	357	0	23	330	0	0	0
2000	135	0	128	0	169	0	165	0	0	0	0	0	30	0	66	6	28	0	80	346	25	0	43	3	7	0	27	342	0	0	0
2100	136	0	126	0	172	0	170	0	0	0	0	0	25	0	48	0	21	0	83	347	21	0	45	354	2	0	28	339	0	0	0
2200	128	0	119	0	165	0	161	0	0	0	0	0	30	0	66	13	25	0	84	352	27	0	55	0	10	0	40	341	0	0	0
2300	91	0	88	0	123	0	124	0	0	0	0	0	42	0	61	20	47	0	83	0	40	0	67	9	22	0	40	358	0	0	0
2400	93	0	90	0	130	0	134	0	0	0	0	0	45	0	78	24	47	0	84	356	43	0	56	28	24	0	47	8	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN
100	449	0	442	0	438	0	435	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
200	478	0	473	0	469	0	469	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
300	465	0	458	0	455	0	449	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
400	456	0	449	0	446	0	440	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
500	453	0	446	0	442	0	438	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
600	451	0	444	0	442	0	433	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
700	449	0	444	0	440	0	435	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
800	450	0	451	0	444	0	440	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
900	460	0	455	0	452	0	447	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
1000	444	0	437	0	438	0	426	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
1100	438	0	433	0	430	0	417	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
1200	433	0	428	0	425	0	411	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
1300	437	0	431	0	421	0	408	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
1400	435	0	429	0	421	0	408	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
1500	444	0	438	0	435	0	423	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
1600	442	0	438	0	429	0	425	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
1700	435	0	429	0	427	0	423	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
1800	433	0	428	0	425	0	423	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
1900	424	0	419	0	423	0	410	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
2000	420	0	413	0	423	0	410	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
2100	429	0	422	0	424	0	420	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
2200	444	0	437	0	437	0	433	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
2300	437	0	429	0	435	0	429	0	320	0	320	0	-1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44
2400	444	0	437	0	442	0	437	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	44

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	79	0	82	0	124	0	127	0	0	0	0	0	52	0	74	36	56	0	86	9	52	0	71	37	34	0	49	19	0	0	0	0	
200	78	0	81	0	131	0	132	0	0	0	0	0	72	0	92	57	71	0	96	53	67	0	85	54	51	0	68	40	0	0	0	0	
300	119	0	108	0	143	0	187	0	0	0	0	0	98	0	118	79	95	0	127	66	91	0	101	84	76	0	87	65	0	0	0	0	
400	39	0	33	0	41	0	42	0	0	0	0	0	106	0	133	76	108	0	137	63	115	0	146	84	101	0	150	68	0	0	0	0	
500	89	0	82	0	133	0	136	0	0	0	0	0	112	0	118	98	117	0	129	87	113	0	114	111	99	0	100	99	0	0	0	0	
600	8660		78	0	135	0	129	0	0	0	0	0	111	0	121	103	115	0	130	86	116	0	118	111	103	0	106	94	0	0	0	0	
700	119	0	108	0	143	0	187	0	0	0	0	0	98	0	118	79	95	0	127	66	91	0	101	84	76	0	87	65	0	0	0	0	
800	40	0	36	0	49	0	50	0	0	0	0	0	123	0	177	79	121	0	174	73	141	0	186	110	131	0	173	89	0	0	0	0	
900	32	0	29	0	39	0	41	0	0	0	0	0	146	0	269	92	151	3	266	90	149	0	216	94	128	0	178	53	0	0	0	0	
1000	60	0	52	0	69	0	63	0	0	0	0	0	299	0	328	258	293	0	320	254	312	0	344	295	292	0	322	266	0	0	0	0	
1100	63	0	54	0	69	0	60	0	0	0	0	0	324	0	351	251	316	0	354	251	333	0	10	317	309	0	94	294	0	0	0	0	
1200	62	0	54	0	68	0	67	0	0	0	0	0	299	0	337	259	290	0	320	234	316	0	338	285	295	0	315	275	0	0	0	0	
1300	62	0	54	0	67	0	69	0	0	0	0	0	297	0	334	256	286	0	350	231	306	0	329	280	286	0	306	269	0	0	0	0	
1400	62	0	53	0	63	0	64	0	0	0	0	0	312	0	356	227	302	0	359	213	335	0	8	287	315	0	357	276	0	0	0	0	
1500	61	0	57	0	69	0	71	0	0	0	0	0	335	0	22	276	329	0	87	272	347	0	25	311	328	0	5	289	0	0	0	0	
1600	60	0	53	0	64	0	55	0	0	0	0	0	33	0	80	324	27	0	81	314	25	0	66	325	9	0	49	303	0	0	0	0	
1700	87	0	79	0	90	0	89	0	0	0	0	0	23	0	58	345	16	0	80	345	22	0	53	0	7	0	56	335	0	0	0	0	
1800	51	0	44	0	60	0	60	0	0	0	0	0	23	0	78	310	20	0	85	309	15	0	49	336	1	0	62	297	0	0	0	0	
1900	85	0	77	0	113	0	112	0	0	0	0	0	351	0	22	323	345	0	76	275	1	0	30	330	343	0	20	308	0	0	0	0	
2000	39	0	32	0	59	0	60	0	0	0	0	0	21	0	55	286	21	0	84	270	23	0	55	330	6	0	30	308	0	0	0	0	
2100	44	0	38	0	54	0	54	0	0	0	0	0	25	0	47	0	21	0	84	348	27	0	49	14	9	0	29	357	0	0	0	0	
2200	71	0	64	0	94	0	93	0	0	0	0	0	17	0	53	342	13	0	65	344	12	0	37	347	355	0	56	338	0	0	0	0	
2300	88	0	78	0	108	0	107	0	0	0	0	0	30	0	48	5	30	0	84	356	29	0	43	16	12	0	29	358	0	0	0	0	
2400	70	0	64	0	89	0	88	0	0	0	0	0	37	0	57	15	37	0	82	356	34	0	53	13	16	0	33	359	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	433	0	426	0	437	0	431	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
200	420	0	413	0	424	0	419	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
300	415	0	408	0	428	0	424	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
400	426	0	420	0	408	0	402	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
500	395	0	388	0	445	0	411	0	320	0	320	0	19	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
600	390	0	383	0	406	0	402	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
700	415	0	408	0	428	0	424	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
800	473	0	469	0	444	0	440	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
900	514	0	510	0	489	0	485	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1000	489	0	483	0	476	0	474	0	320	0	320	0	-12	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1100	512	0	507	0	493	0	482	0	320	0	320	0	-28	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1200	514	0	509	0	487	0	485	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1300	518	0	514	0	489	0	487	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1400	521	0	518	0	492	0	491	0	320	0	320	0	-28	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1500	521	0	518	0	480	0	478	0	320	0	320	0	-41	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1600	514	0	512	0	496	0	492	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1700	498	0	494	0	485	0	482	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1800	489	0	483	0	478	0	474	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
1900	464	0	458	0	491	0	444	0	320	0	320	0	-12	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2000	460	0	453	0	464	0	458	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2100	438	0	429	0	433	0	428	0	320	0	320	0	-3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2200	440	0	431	0	438	0	433	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2300	435	0	428	0	438	0	424	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		
2400	433	0	426	0	436	0	422	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0		

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	Wind S
100	71	0	64	0	92	0	91	0	0	0	0	0	36	0	63	15	33	0	80	356	35	0	56	20	16	0	44	353	0	0	0	0	0
200	41	0	36	0	70	0	75	0	0	0	0	0	38	0	60	18	38	0	84	356	43	0	55	25	26	0	38	7	0	0	0	0	0
300	46	0	41	0	79	0	80	0	0	0	0	0	40	0	67	19	47	0	84	356	42	0	51	27	23	0	31	9	0	0	0	0	0
400	66	0	75	0	98	0	113	0	0	0	0	0	63	0	81	51	68	0	80	54	61	0	70	52	47	0	54	38	0	0	0	0	0
500	69	0	67	0	105	0	116	0	0	0	0	0	77	0	92	65	75	0	97	58	76	0	87	66	60	0	70	48	0	0	0	0	0
600	79	0	73	0	117	0	129	0	0	0	0	0	83	0	98	66	80	0	127	63	78	0	94	59	64	0	86	46	0	0	0	0	0
700	58	0	50	0	76	0	74	0	0	0	0	0	97	0	115	73	92	0	129	64	93	0	118	62	78	0	107	55	0	0	0	0	0
800	64	0	56	0	64	0	65	0	0	0	0	0	110	0	133	79	110	0	140	73	104	0	139	49	91	0	131	36	0	0	0	0	0
900	60	0	53	0	68	0	72	0	0	0	0	0	88	0	137	42	90	0	137	63	88	0	132	60	76	0	115	32	0	0	0	0	0
1000	56	0	52	0	61	0	67	0	0	0	0	0	95	0	151	50	96	0	141	64	104	0	141	68	92	0	122	49	0	0	0	0	0
1100	75	0	70	0	83	0	85	0	0	0	0	0	330	0	70	273	320	0	354	248	340	0	6	277	321	0	347	252	0	0	0	0	0
1200	75	0	69	0	82	0	82	0	0	0	0	0	349	0	45	286	338	0	38	272	5	0	58	294	348	0	36	302	0	0	0	0	0
1300	79	0	70	0	92	0	92	0	0	0	0	0	338	0	39	287	330	0	77	275	6	0	43	319	349	0	41	302	0	0	0	0	0
1400	73	0	69	0	89	0	89	0	0	0	0	0	346	0	29	283	341	0	35	273	358	0	45	316	339	0	47	297	0	0	0	0	0
1500	67	0	64	0	81	0	82	0	0	0	0	0	338	0	19	284	333	0	34	276	354	0	31	320	336	0	67	313	0	0	0	0	0
1600	54	0	49	0	68	0	70	0	0	0	0	0	337	0	22	279	332	0	6	270	347	0	14	293	328	0	346	259	0	0	0	0	0
1700	47	0	39	0	58	0	58	0	0	0	0	0	347	0	48	271	346	0	141	300	1	0	38	325	342	0	35	305	0	0	0	0	0
1800	29	0	27	0	32	0	36	0	0	0	0	0	12	3	139	284	15	3	129	300	21	0	100	343	1	0	59	309	0	0	0	0	0
1900	25	0	24	0	33	0	30	0	0	0	0	0	49	3	76	6	59	3	90	356	54	3	78	10	37	3	62	356	0	0	0	0	0
2000	28	0	23	0	44	0	48	0	0	0	0	0	84	3	107	54	83	3	129	71	80	0	90	66	63	0	76	49	0	0	0	0	0
2100	51	0	46	0	60	0	70	0	0	0	0	0	80	0	93	65	78	0	96	63	75	0	82	72	59	0	65	55	0	0	0	0	0
2200	50	0	48	0	72	0	86	0	0	0	0	0	47	0	66	31	58	0	85	0	51	0	55	41	33	0	40	20	0	0	0	0	0
2300	46	0	48	0	75	0	85	0	0	0	0	0	66	0	80	52	70	0	85	61	55	0	61	51	39	0	47	31	0	0	0	0	0
2400	63	0	61	0	83	0	100	0	0	0	0	0	79	0	99	59	78	0	124	57	68	0	80	58	52	0	62	43	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	Rain
100	428	0	420	0	432	0	419	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
200	415	0	406	0	432	0	424	0	320	0	320	0	14	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
300	428	0	420	0	437	0	431	0	320	0	320	0	9	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
400	408	0	399	0	431	0	408	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
500	390	0	383	0	401	0	397	0	320	0	320	0	9	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
600	384	0	379	0	392	0	386	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
700	402	0	395	0	390	0	386	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
800	449	0	444	0	431	0	426	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
900	494	0	491	0	474	0	471	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
1000	519	0	516	0	505	0	501	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
1100	514	0	509	0	478	0	476	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
1200	518	0	512	0	489	0	485	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
1300	532	0	527	0	494	0	492	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
1400	519	0	512	0	489	0	485	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
1500	518	0	512	0	503	0	480	0	320	0	320	0	-32	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
1600	519	0	514	0	505	0	482	0	320	0	320	0	-32	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
1700	507	0	501	0	483	0	480	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
1800	514	0	509	0	494	0	491	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
1900	501	0	496	0	489	0	485	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
2000	491	0	482	0	489	0	485	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
2100	476	0	469	0	480	0	476	0	320	0	320	0	5	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
2200	476	0	469	0	485	0	482	0	320	0	320	0	10	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
2300	469	0	462	0	474	0	473	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44
2400	465	0	458	0	473	0	467	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	IN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	Wind Dire
100	79	0	73	0	121	0	121	0	0	0	0	0	105	0	120	94	107	0	129	85	98	0	107	88	83	0	94	71	0	0	0	0	0	
200	76	0	67	0	118	0	120	0	0	0	0	0	110	0	127	95	111	0	129	86	102	0	117	90	88	0	98	72	0	0	0	0	0	
300	84	0	74	0	118	0	124	0	0	0	0	0	114	0	127	103	117	0	136	88	121	0	137	107	108	0	121	92	0	0	0	0	0	
400	83	0	77	0	135	0	140	0	0	0	0	0	125	0	139	116	127	0	141	89	140	0	145	130	127	0	132	114	0	0	0	0	0	
500	80	0	77	0	135	0	121	0	0	0	0	0	127	0	143	111	128	0	164	86	141	0	158	120	129	0	146	111	0	0	0	0	0	
600	79	0	81	0	131	0	138	0	0	0	0	0	131	0	155	111	131	0	174	86	149	0	167	134	136	0	155	121	0	0	0	0	0	
700	92	0	85	0	103	0	111	0	0	0	0	0	120	0	137	101	122	0	140	78	133	0	152	113	119	0	138	103	0	0	0	0	0	
800	106	0	100	0	117	0	127	0	0	0	0	0	121	0	144	91	124	0	140	85	126	0	146	108	113	0	128	93	0	0	0	0	0	
900	111	0	108	0	133	0	134	0	0	0	0	0	119	0	142	90	122	0	137	84	128	0	149	109	114	0	134	87	0	0	0	0	0	
1000	101	0	104	0	134	0	159	0	0	0	0	0	134	0	175	111	134	0	174	91	145	0	173	130	135	0	162	116	0	0	0	0	0	
1100	128	0	128	0	134	0	187	0	0	0	0	0	128	0	167	102	132	0	173	89	140	0	169	108	129	0	145	97	0	0	0	0	0	
1200	132	0	135	0	141	0	185	0	0	0	0	0	126	0	157	95	129	0	174	87	133	0	156	97	123	0	145	101	0	0	0	0	0	
1300	135	0	137	0	202	0	212	0	0	0	0	0	132	0	154	103	134	0	175	85	142	0	163	120	132	0	148	117	0	0	0	0	0	
1400	159	0	160	0	232	0	240	0	0	0	0	0	127	0	152	104	127	0	174	90	135	0	159	110	124	0	142	92	0	0	0	0	0	
1500	178	0	181	0	235	0	248	0	0	0	0	0	125	0	152	83	127	0	160	74	134	0	162	117	123	0	146	100	0	0	0	0	0	
1600	159	0	157	0	206	0	212	0	0	0	0	0	126	0	144	91	129	0	173	88	134	0	162	108	123	0	148	105	0	0	0	0	0	
1700	147	0	140	0	184	0	195	0	0	0	0	0	120	0	140	96	123	0	174	88	127	0	147	112	116	0	134	97	0	0	0	0	0	
1800	131	0	129	0	175	0	187	0	0	0	0	0	124	0	157	108	126	0	140	89	131	0	153	111	121	0	145	105	0	0	0	0	0	
1900	136	0	136	0	213	0	222	0	0	0	0	0	131	0	153	102	133	0	173	95	140	0	163	118	129	0	146	100	0	0	0	0	0	
2000	143	0	153	0	230	0	240	0	0	0	0	0	134	0	158	28	137	0	174	86	149	0	169	127	139	0	163	119	0	0	0	0	0	
2100	151	0	154	0	232	0	241	0	0	0	0	0	130	0	180	111	133	0	174	88	140	0	166	113	128	0	155	90	0	0	0	0	0	
2200	186	0	180	0	232	0	246	0	0	0	0	0	121	0	141	92	124	0	169	86	129	0	158	115	119	0	141	97	0	0	0	0	0	
2300	156	0	160	0	237	0	241	0	0	0	0	0	131	0	158	102	132	0	172	86	139	0	159	120	128	0	147	109	0	0	0	0	0	
2400	163	0	162	0	232	0	226	0	0	0	0	0	122	0	144	98	121	0	140	86	130	0	150	105	119	0	138	96	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	Rain
100	460	0	455	0	469	0	465	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
200	465	0	460	0	476	0	473	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
300	473	0	467	0	482	0	478	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
400	476	0	471	0	483	0	480	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
500	491	0	485	0	483	0	480	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
600	491	0	485	0	485	0	480	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
700	494	0	487	0	483	0	480	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
800	516	0	510	0	501	0	498	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
900	543	0	537	0	528	0	525	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1000	590	0	584	0	568	0	564	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1100	615	0	609	0	590	0	586	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1200	633	0	627	0	608	0	604	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1300	638	0	633	0	620	0	615	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1400	665	0	660	0	642	0	636	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1500	658	0	654	0	640	0	635	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1600	654	0	649	0	638	0	633	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1700	656	0	651	0	644	0	640	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1800	654	0	649	0	645	0	640	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
1900	644	0	636	0	631	0	627	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2000	636	0	629	0	622	0	618	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2100	618	0	613	0	606	0	602	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2200	604	0	597	0	593	0	588	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2300	602	0	597	0	591	0	586	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	
2400	[illegible]	0	589	0	579	0	575	0	320	0	320	0	-7	0	-7	0	[illegible]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	

STAT[illegible]ODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = I[illegible]D, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	S	WIND DIR2 50 B	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	127	0	127	0	145	0	203	0	0	0	0	0	131	0	159	109	135	0	174	117	139	0	160	123	128	0	147	105	0	0	0	0	U
200	111	0	111	0	100	0	189	0	0	0	0	0	138	0	181	109	141	0	186	91	152	0	182	128	142	0	159	116	0	0	0	0	U
300	109	0	105	0	141	0	190	0	0	0	0	0	143	0	181	101	145	0	216	95	157	0	184	133	143	0	170	124	0	0	0	0	U
400	96	0	99	0	139	0	163	0	0	0	0	0	133	0	157	95	136	0	174	117	148	0	171	134	134	0	155	114	0	0	0	0	U
500	84	0	80	0	147	0	149	0	0	0	0	0	153	0	189	117	155	0	183	119	161	0	184	133	148	0	172	115	0	0	0	0	U
600	70	0	69	0	134	0	138	0	0	0	0	0	150	0	205	112	150	0	231	91	167	0	183	144	154	0	202	130	0	0	0	0	U
700	76	0	71	0	134	0	137	0	0	0	0	0	141	0	186	115	141	0	185	94	158	0	177	140	146	0	168	124	0	0	0	0	U
800	88	0	88	0	141	0	148	0	0	0	0	0	131	0	158	108	131	0	174	90	145	0	157	127	134	0	148	116	0	0	0	0	U
900	75	0	72	0	135	0	129	0	0	0	0	0	139	0	205	116	137	0	173	89	149	0	166	127	138	0	150	116	0	0	0	0	U
1000	58	0	43	0	102	0	86	0	0	0	0	0	188	0	269	134	185	0	269	109	192	0	216	165	178	0	205	140	0	0	0	0	U
1100	98	0	93	0	130	0	123	0	0	0	0	0	227	0	291	185	222	0	269	123	221	0	278	196	206	0	235	180	0	0	0	0	U
1200	93	0	87	0	132	0	140	0	0	0	0	0	248	0	291	212	242	0	303	209	249	0	281	229	233	0	282	213	0	0	0	0	U
1300	88	0	89	0	134	0	132	0	0	0	0	0	263	0	287	235	257	0	275	220	266	0	283	251	248	0	257	216	0	0	0	0	U
1400	95	0	89	0	103	0	196	0	0	0	0	0	257	0	304	235	251	0	275	219	261	0	277	231	246	0	274	215	0	0	0	0	U
1500	156	0	150	0	230	0	243	0	0	0	0	0	248	0	272	227	245	0	270	213	255	0	275	230	239	0	253	217	0	0	0	0	U
1600	155	0	149	0	242	0	254	0	0	0	0	0	241	0	275	209	234	0	269	174	249	0	258	216	227	0	249	191	0	0	0	0	U
1700	145	0	140	0	235	0	249	0	0	0	0	0	239	0	265	197	236	0	265	174	248	0	262	225	231	0	250	208	0	0	0	0	U
1800	169	0	165	0	269	0	282	0	0	0	0	0	244	0	272	215	237	0	275	209	249	0	260	221	232	0	244	209	0	0	0	0	U
1900	168	0	163	0	293	0	309	0	0	0	0	0	248	0	269	223	242	0	271	209	256	0	261	246	239	0	253	230	0	0	0	0	U
2000	149	0	142	0	245	0	258	0	0	0	0	0	239	0	264	194	236	0	265	185	245	0	265	225	229	0	249	209	0	0	0	0	U
2100	172	0	166	0	275	0	291	0	0	0	0	0	244	0	273	223	238	0	265	0	252	0	263	230	236	0	246	213	0	0	0	0	U
2200	154	0	147	0	202	0	276	0	0	0	0	0	242	0	274	209	237	0	268	175	252	0	264	227	235	0	246	218	0	0	0	0	U
2300	139	0	133	0	247	0	261	0	0	0	0	0	254	0	277	234	250	0	303	219	262	0	271	255	245	0	253	231	0	0	0	0	U
2400	149	0	141	0	266	0	282	0	0	0	0	0	251	0	284	227	245	0	275	213	259	0	280	235	242	0	256	227	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN
100	590	0	582	0	579	0	573	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	44
200	604	0	597	0	595	0	590	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	44
300	611	0	606	0	602	0	599	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	44
400	608	0	602	0	595	0	591	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	44
500	570	0	564	0	563	0	559	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	44
600	568	0	561	0	561	0	555	0	320	0	320	0	-3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	44
700	566	0	561	0	561	0	557	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	44
800	568	0	563	0	563	0	557	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	44
900	581	0	575	0	572	0	568	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	44
1000	593	0	586	0	584	0	579	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
1100	633	0	627	0	625	0	611	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
1200	638	0	631	0	626	0	624	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
1300	636	0	631	0	640	0	638	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
1400	626	0	620	0	620	0	617	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
1500	604	0	597	0	609	0	604	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
1600	579	0	573	0	591	0	588	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
1700	572	0	566	0	575	0	573	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
1800	579	0	573	0	593	0	588	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
1900	557	0	552	0	575	0	570	0	320	0	320	0	19	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
2000	552	0	546	0	569	0	555	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
2100	555	0	550	0	570	0	566	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
2200	546	0	539	0	569	0	555	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
2300	530	0	523	0	545	0	539	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103
2400	532	0	527	0	539	0	536	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	103

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	S	WIND DIR6
100	150	0	142	0	241	0	254	0	0	0	0	0	247	0	267	217	242	0	265	212	254	0	258	245	237	0	242	227	0	0	0	0	U	U
200	132	0	127	0	200	0	211	0	0	0	0	0	248	0	274	218	243	0	272	212	255	0	265	232	239	0	254	230	0	0	0	0	U	U
300	152	0	148	0	231	0	246	0	0	0	0	0	246	0	269	224	240	0	287	209	253	0	259	246	236	0	241	223	0	0	0	0	U	U
400	134	0	126	0	203	0	212	0	0	0	0	0	247	0	271	207	242	0	270	208	253	0	257	247	237	0	248	233	0	0	0	0	U	U
500	116	0	108	0	197	0	205	0	0	0	0	0	252	0	275	233	247	0	275	209	255	0	262	244	238	0	242	232	0	0	0	0	U	U
600	113	0	108	0	191	0	204	0	0	0	0	0	242	0	272	189	238	0	273	209	249	0	264	233	232	0	242	208	0	0	0	0	U	U
700	129	0	122	0	209	0	223	0	0	0	0	0	245	0	292	211	242	0	302	208	252	0	267	238	235	0	245	210	0	0	0	0	U	U
800	122	0	121	0	216	0	226	0	0	0	0	0	256	0	274	229	251	0	275	212	264	0	273	246	249	0	259	239	0	0	0	0	U	U
900	136	0	131	0	178	0	188	0	0	0	0	0	246	0	263	229	242	0	266	221	258	0	267	239	242	0	252	233	0	0	0	0	U	U
1000	129	0	125	0	180	0	190	0	0	0	0	0	246	0	265	228	240	0	269	214	260	0	267	237	244	0	252	219	0	0	0	0	U	U
1100	98	0	92	0	138	0	146	0	0	0	0	0	250	0	277	223	244	0	304	212	266	0	277	251	248	0	260	222	0	0	0	0	U	U
1200	56	2	58	2	93	2	105	2	0	0	0	0	69	2	88	59	71	2	125	55	55	2	62	52	40	2	44	37	0	0	0	0	U	U
1300	82	0	80	0	93	0	100	0	0	0	0	0	259	0	280	228	257	0	305	224	269	0	284	247	252	0	265	210	0	0	0	0	U	U
1400	43	0	38	0	46	0	47	0	0	0	0	0	277	0	324	221	268	0	353	209	294	0	337	242	277	0	312	228	0	0	0	0	U	U
1500	31	0	26	0	45	0	49	0	0	0	0	0	306	0	354	275	289	3	320	221	309	0	324	266	287	0	302	248	0	0	0	0	U	U
1600	55	0	50	0	95	0	98	0	0	0	0	0	251	0	276	230	296	0	275	209	269	0	308	248	252	0	284	229	0	0	0	0	U	U
1700	35	0	30	0	33	0	37	0	0	0	0	0	300	0	331	260	285	3	349	231	295	0	318	263	273	0	306	240	0	0	0	0	U	U
1800	28	0	23	0	29	0	30	0	0	0	0	0	288	0	353	222	286	3	350	212	334	3	79	281	309	0	65	278	0	0	0	0	U	U
1900	19	0	15	0	16	0	21	0	0	0	0	0	61	3	94	21	73	3	96	20	67	3	103	30	48	3	83	347	0	0	0	0	U	U
2000	39	0	34	0	43	0	46	0	0	0	0	0	106	0	119	96	107	0	130	86	105	0	112	100	89	0	97	83	0	0	0	0	U	U
2100	59	0	53	0	74	0	75	0	0	0	0	0	97	0	108	86	94	0	129	84	98	0	102	92	81	0	85	76	0	0	0	0	U	U
2200	66	0	60	0	104	0	105	0	0	0	0	0	100	0	113	87	97	0	129	79	102	0	106	99	86	0	89	83	0	0	0	0	U	U
2300	57	0	51	0	139	0	97	0	0	0	0	0	139	0	162	122	138	0	171	119	179	0	199	163	165	0	179	151	0	0	0	0	U	U
2400	79	0	77	0	143	0	145	0	0	0	0	0	129	0	136	123	130	0	140	119	137	0	141	131	122	0	128	117	0	0	0	0	U	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAAA
100	525	0	519	0	536	0	532	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
200	519	0	512	0	531	0	518	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
300	514	0	509	0	529	0	514	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
400	509	0	503	0	520	0	505	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
500	507	0	500	0	520	0	507	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
600	510	0	505	0	512	0	509	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
700	510	0	503	0	512	0	509	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
800	512	0	505	0	518	0	514	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
900	514	0	509	0	518	0	514	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
1000	527	0	521	0	528	0	525	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
1100	552	0	545	0	593	0	541	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
1200	583	2	582	2	606	2	569	2	320	0	320	0	-19	2	-18	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
1300	572	0	566	0	606	0	563	0	320	0	320	0	-3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
1400	581	0	575	0	595	0	559	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
1500	599	0	595	0	604	0	563	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
1600	599	0	593	0	600	0	599	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
1700	629	0	624	0	593	0	591	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
1800	635	0	629	0	602	0	600	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
1900	617	0	609	0	595	0	590	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
2000	590	0	581	0	581	0	577	0	320	0	320	0	1	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
2100	575	0	568	0	581	0	577	0	320	0	320	0	12	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
2200	566	0	559	0	575	0	573	0	320	0	320	0	19	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
2300	527	0	521	0	561	0	557	0	320	0	320	0	39	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103
2400	[illegible]	0	523	0	568	0	564	0	320	0	320	0	39	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	103

1. STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND	S
													50 B	S					150A	S			150B	S				S	
100	79	0	74	0	149	0	155	0	0	0	0	0	136	0	207	118	135	0	170	119	148	0	152	146	133	0	136	131	0	0	0	0	0	0	
200	74	0	66	0	146	0	152	0	0	0	0	0	134	0	155	115	134	0	173	85	157	0	159	152	142	0	144	138	0	0	0	0	0	0	
300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	
400	66	0	64	0	133	0	129	0	0	0	0	0	126	0	141	117	128	0	140	119	153	0	158	147	139	0	143	133	0	0	0	0	0	0	
500	67	0	60	0	108	0	113	0	0	0	0	0	119	0	127	114	123	0	135	114	155	0	165	147	141	0	151	135	0	0	0	0	0	0	
600	64	0	59	0	103	0	104	0	0	0	0	0	128	0	136	121	130	0	140	119	169	0	175	166	155	0	160	150	0	0	0	0	0	0	
700	61	0	52	0	119	0	92	0	0	0	0	0	138	0	152	123	138	0	172	124	180	0	195	173	167	0	227	159	0	0	0	0	0	0	
800	44	0	37	0	73	0	62	0	0	0	0	0	131	0	167	108	133	0	181	119	191	0	218	147	178	0	209	138	0	0	0	0	0	0	
900	18	0	14	0	31	0	13	0	0	0	0	0	98	3	144	22	101	3	141	30	83	3	177	0	80	3	175	0	0	0	0	0	0	0	
1000	34	0	29	0	39	0	33	0	0	0	0	0	296	0	353	221	291	3	354	215	340	0	171	286	328	0	155	275	0	0	0	0	0	0	
1100	31	0	27	0	32	0	25	0	0	0	0	0	302	0	342	250	293	3	354	225	343	3	44	285	322	0	18	272	0	0	0	0	0	0	
1200	30	0	28	0	33	0	33	0	0	0	0	0	301	3	356	236	298	3	359	228	1	0	40	312	347	0	59	297	0	0	0	0	0	0	
1300	36	0	30	0	36	0	41	0	0	0	0	0	279	0	335	237	271	3	350	220	311	0	341	285	289	0	323	265	0	0	0	0	0	0	
1400	34	0	30	0	38	0	41	0	0	0	0	0	300	0	358	216	293	3	356	225	310	0	359	188	292	0	358	192	0	0	0	0	0	0	
1500	47	0	43	0	74	0	78	0	0	0	0	0	157	0	253	90	153	0	251	90	152	0	259	99	137	0	219	92	0	0	0	0	0	0	
1600	33	0	28	0	69	0	74	0	0	0	0	0	171	0	264	96	168	3	266	90	153	0	241	100	140	0	213	106	0	0	0	0	0	0	
1700	57	0	56	0	95	0	96	0	0	0	0	0	139	0	246	100	140	0	185	90	147	0	174	127	133	0	159	108	0	0	0	0	0	0	
1800	59	0	55	0	100	0	103	0	0	0	0	0	137	0	173	101	139	0	214	91	148	0	169	123	134	0	151	110	0	0	0	0	0	0	
1900	46	0	39	0	91	0	82	0	0	0	0	0	159	0	251	111	158	0	215	91	172	0	191	146	158	0	180	124	0	0	0	0	0	0	
2000	41	0	36	0	80	0	85	0	0	0	0	0	136	0	196	111	136	0	176	80	156	0	174	140	144	0	167	129	0	0	0	0	0	0	
2100	67	0	61	0	101	0	111	0	0	0	0	0	122	0	137	112	126	0	140	91	135	0	143	129	123	0	131	117	0	0	0	0	0	0	
2200	77	0	76	0	133	0	135	0	0	0	0	0	127	0	141	112	130	0	141	119	138	0	143	124	126	0	135	110	0	0	0	0	0	0	
2300	91	0	88	0	130	0	140	0	0	0	0	0	121	0	138	101	125	0	141	90	134	0	166	119	122	0	134	108	0	0	0	0	0	0	
2400	101	0	102	0	136	0	151	0	0	0	0	0	120	0	135	102	126	0	141	92	132	0	155	117	120	0	134	105	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MMAX	S
100	527	0	521	0	507	0	554	0	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
200	527	0	519	0	548	0	545	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2		C
400	521	0	516	0	502	0	546	0	320	0	320	0	30	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
500	514	0	507	0	502	0	546	0	320	0	320	0	39	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
600	518	0	510	0	506	0	563	0	320	0	320	0	55	0	55	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
700	523	0	518	0	503	0	559	0	320	0	320	0	46	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
800	554	0	550	0	572	0	568	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
900	626	0	622	0	617	0	613	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
1000	680	0	678	0	663	0	658	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
1100	674	0	671	0	654	0	654	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
1200	699	0	696	0	685	0	662	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
1300	705	0	703	0	678	0	678	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
1400	703	0	699	0	678	0	676	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
1500	759	0	757	0	708	0	705	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
1600	748	0	744	0	708	0	705	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
1700	750	0	746	0	730	0	707	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
1800	726	0	719	0	705	0	699	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
1900	705	0	699	0	687	0	681	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
2000	689	0	681	0	676	0	672	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
2100	678	0	672	0	672	0	667	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
2200	663	0	656	0	669	0	665	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
2300	662	0	654	0	640	0	654	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C
2400	658	0	653	0	694	0	649	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	C

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND Ulno
														50 B	S		150A	S		150B	S			S			S	
100	107	0	100	0	144	0	151	0	0	0	0	0	114	0	129 95	116	0	141 85	120	0	132 92	107	0	123 86	0	0	0	0	u
200	111	0	107	0	145	0	160	0	0	0	0	0	120	0	133 106	120	0	141 86	128	0	153 109	116	0	140 102	0	0	0	0	u
300	107	0	107	0	146	0	155	0	0	0	0	0	121	0	140 104	127	0	141 88	131	0	150 117	119	0	143 105	0	0	0	0	u
400	119	0	115	0	159	0	162	0	0	0	0	0	113	0	129 95	113	0	136 87	116	0	130 93	104	0	124 86	0	0	0	0	u
500	91	0	90	0	138	0	125	0	0	0	0	0	113	0	130 80	117	0	141 85	122	0	140 108	110	0	124 91	0	0	0	0	u
600	76	0	77	0	109	0	117	0	0	0	0	0	123	0	142 106	124	0	175 87	136	0	155 119	124	0	141 106	0	0	0	0	u
700	59	0	59	0	00	0	83	0	0	0	0	0	121	0	150 98	124	0	142 87	127	0	146 112	116	0	132 100	0	0	0	0	u
800	61	0	63	0	113	0	115	0	0	0	0	0	148	0	175 111	148	0	181 92	163	0	184 145	150	0	174 132	0	0	0	0	u
900	47	0	44	0	93	0	85	0	0	0	0	0	168	0	246 122	166	0	228 120	180	0	213 115	168	0	203 132	0	0	0	0	u
1000	112	0	108	0	192	0	202	0	0	0	0	0	235	0	265 199	230	0	265 165	239	0	260 201	224	0	249 204	0	0	0	0	u
1100	137	0	133	0	238	0	231	0	0	0	0	0	237	0	265 193	239	0	277 205	240	0	259 214	222	0	248 203	0	0	0	0	u
1200	162	0	159	0	271	0	289	0	0	0	0	0	243	0	265 198	239	0	267 186	249	0	261 230	233	0	249 221	0	0	0	0	u
1300	134	0	137	0	203	0	275	0	0	0	0	0	252	0	272 228	250	0	277 212	261	0	275 248	244	0	259 226	0	0	0	0	u
1400	136	0	136	0	232	0	245	0	0	0	0	0	248	0	273 225	245	0	276 210	258	0	271 238	242	0	248 225	0	0	0	0	u
1500	148	0	147	0	249	0	256	0	0	0	0	0	244	0	266 214	239	0	270 182	257	0	270 240	240	0	248 223	0	0	0	0	u
1600	46	0	43	0	96	0	73	0	0	0	0	0	275	0	308 230	267	0	350 210	278	0	305 240	258	0	288 221	0	0	0	0	u
1700	103	0	107	0	168	0	167	0	0	0	0	0	247	0	274 218	244	0	276 214	265	0	280 254	248	0	262 225	0	0	0	0	u
1800	111	0	109	0	196	0	204	0	0	0	0	0	268	0	291 242	264	0	308 221	291	0	309 260	272	0	294 246	0	0	0	0	u
1900	135	0	133	0	210	0	218	0	0	0	0	0	286	0	313 250	275	0	321 222	307	0	335 281	286	0	302 247	0	0	0	0	u
2000	88	0	85	0	135	0	133	0	0	0	0	0	256	0	280 231	253	0	276 214	288	0	307 254	268	0	285 229	0	0	0	0	u
2100	136	0	137	0	233	0	233	0	0	0	0	0	254	0	282 223	250	0	276 221	263	0	279 239	246	0	260 220	0	0	0	0	u
2200	94	0	89	0	146	0	156	0	0	0	0	0	243	0	276 208	239	0	266 170	252	0	267 227	237	0	259 207	0	0	0	0	u
2300	130	0	124	0	198	0	211	0	0	0	0	0	247	0	273 223	242	0	270 209	269	0	273 251	248	0	256 242	0	0	0	0	u
2400	139	0	135	0	201	0	213	0	0	0	0	0	270	0	315 240	262	0	317 223	287	0	323 262	267	0	289 235	0	0	0	0	u

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	Rain
100	649	0	642	0	642	0	638	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	103
200	640	0	635	0	633	0	629	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	103
300	626	0	620	0	618	0	615	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	103
400	597	0	591	0	591	0	586	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	104
500	582	0	575	0	575	0	572	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	124
600	586	0	581	0	581	0	577	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	130
700	586	0	581	0	581	0	577	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	140
800	599	0	592	0	592	0	579	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	140
900	611	0	606	0	597	0	593	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	143
1000	588	0	581	0	579	0	575	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	140
1100	586	0	581	0	584	0	579	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	140
1200	563	0	555	0	572	0	568	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	147
1300	552	0	546	0	564	0	561	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	150
1400	555	0	550	0	570	0	568	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	150
1500	579	0	573	0	595	0	591	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	150
1600	572	0	568	0	581	0	557	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	150
1700	579	0	573	0	584	0	581	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	150
1800	550	0	545	0	570	0	566	0	320	0	320	0	19	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	150
1900	563	0	557	0	573	0	570	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	150
2000	539	0	532	0	581	0	577	0	320	0	320	0	43	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	150
2100	566	0	561	0	579	0	573	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	150
2200	523	0	518	0	523	0	518	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	104
2300	545	0	539	0	562	0	548	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	164
2400	[redacted]	0	525	0	537	0	534	0	320	0	320	0	12	0	12	0	[redacted]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	[redacted]	

STATUS [illegible] DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INV[illegible], 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	93	0	92	0	109	0	172	0	0	0	0	0	260	0	303	233	255	0	306	219	277	0	294	262	258	0	278	233	0	0	0	0		
200	123	0	118	0	189	0	200	0	0	0	0	0	259	0	283	224	254	0	275	220	276	0	291	267	258	0	272	248	0	0	0	0		
300	144	0	139	0	216	0	226	0	0	0	0	0	285	0	326	239	275	0	322	229	300	0	316	264	280	0	328	242	0	0	0	0		
400	115	0	104	0	166	0	175	0	0	0	0	0	291	0	320	257	281	0	346	254	309	0	316	296	287	0	292	275	0	0	0	0		
500	41	0	36	0	62	0	67	0	0	0	0	0	267	0	327	224	259	0	320	214	293	0	330	246	273	0	297	232	0	0	0	0		
600	63	0	58	0	89	0	96	0	0	0	0	0	284	0	329	234	276	0	354	213	297	0	330	254	276	0	300	220	0	0	0	0		
700	73	0	66	0	101	0	108	0	0	0	0	0	287	0	317	252	280	0	315	252	294	0	316	255	273	0	294	234	0	0	0	0		
800	81	0	76	0	112	0	119	0	0	0	0	0	289	0	310	265	283	0	320	229	304	0	325	276	283	0	303	258	0	0	0	0		
900	84	0	79	0	107	0	113	0	0	0	0	0	294	0	336	255	285	0	320	251	298	0	315	263	279	0	292	252	0	0	0	0		
1000	106	0	102	0	139	0	149	0	0	0	0	0	289	0	312	261	280	0	320	254	300	0	311	264	279	0	289	248	0	0	0	0		
1100	84	0	82	0	118	0	128	0	0	0	0	0	280	0	323	228	272	0	355	226	295	0	342	259	275	0	306	232	0	0	0	0		
1200	108	0	99	0	149	0	155	0	0	0	0	0	294	0	309	275	283	0	320	258	312	0	321	301	291	0	299	283	0	0	0	0		
1300	54	0	50	0	78	0	82	0	0	0	0	0	296	0	331	251	287	0	348	253	317	0	331	295	296	0	305	274	0	0	0	0		
1400	79	0	75	0	89	0	98	0	0	0	0	0	296	0	326	257	286	0	320	228	300	0	314	262	280	0	291	243	0	0	0	0		
1500	62	0	56	0	87	0	72	0	0	0	0	0	263	0	318	228	257	0	315	215	281	0	310	252	261	0	285	214	0	0	0	0		
1600	65	0	61	0	74	0	80	0	0	0	0	0	259	0	293	224	255	0	303	216	269	0	291	226	252	0	287	209	0	0	0	0		
1700	75	0	69	0	78	0	83	0	0	0	0	0	246	0	277	225	241	0	272	219	267	0	295	245	249	0	270	229	0	0	0	0		
1800	37	0	31	0	43	0	45	0	0	0	0	0	305	0	359	245	291	0	356	213	327	0	4	284	307	0	341	259	0	0	0	0		
1900	27	0	21	0	15	0	19	0	0	0	0	0	271	0	298	240	266	0	311	221	257	0	302	222	242	0	276	207	0	0	0	0		
2000	40	0	36	0	38	0	32	0	0	0	0	0	244	0	251	239	226	0	263	220	229	0	236	216	214	0	220	206	0	0	0	0		
2100	51	0	46	0	87	0	62	0	0	0	0	0	245	0	260	231	241	0	263	221	238	0	243	230	221	0	228	214	0	0	0	0		
2200	64	0	59	0	95	0	103	0	0	0	0	0	237	0	253	224	231	0	260	209	241	0	245	233	222	0	229	215	0	0	0	0		
2300	73	0	66	0	116	0	127	0	0	0	0	0	239	0	268	214	233	0	264	209	249	0	257	242	233	0	240	225	0	0	0	0		
2400	95	0	88	0	168	0	168	0	0	0	0	0	239	0	262	206	235	0	270	209	252	0	261	234	235	0	246	208	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	521	0	516	0	530	0	527	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
200	514	0	509	0	515	0	521	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
300	521	0	516	0	523	0	519	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
400	507	0	501	0	507	0	503	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
500	494	0	489	0	492	0	487	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
600	500	0	492	0	498	0	494	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
700	519	0	509	0	503	0	498	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
800	500	0	492	0	482	0	478	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
900	509	0	503	0	489	0	485	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
1000	512	0	505	0	492	0	489	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
1100	530	0	525	0	503	0	501	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
1200	539	0	534	0	509	0	505	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
1300	545	0	539	0	519	0	518	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
1400	548	0	543	0	525	0	519	0	320	0	320	0	-21	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
1500	555	0	550	0	532	0	528	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
1600	561	0	557	0	545	0	543	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
1700	570	0	564	0	550	0	546	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
1800	573	0	570	0	546	0	543	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
1900	557	0	552	0	548	0	545	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
2000	527	0	519	0	534	0	530	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
2100	532	0	525	0	539	0	534	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
2200	532	0	527	0	546	0	541	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
2300	543	0	536	0	547	0	554	0	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C
2400	552	0	545	0	564	0	559	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	C

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIRO
100	94	0	86	0	156	0	167	0	0	0	0	0	233	0	257	203	228	0	260	175	242	0	263	218	226	0	242	196	0	0	0
200	105	0	97	0	187	0	200	0	0	0	0	0	238	0	272	203	234	0	275	209	247	0	262	231	231	0	243	218	0	0	0
300	115	0	109	0	183	0	195	0	0	0	0	0	239	0	261	219	234	0	275	209	249	0	270	229	233	0	254	213	0	0	0
400	95	0	91	0	139	0	149	0	0	0	0	0	244	0	261	222	240	0	264	214	257	0	268	240	241	0	249	223	0	0	0
500	89	0	86	0	131	0	128	0	0	0	0	0	244	0	270	226	239	0	264	211	260	0	274	244	244	0	257	228	0	0	0
600	79	0	72	0	125	0	125	0	0	0	0	0	239	0	262	198	236	0	274	209	247	0	260	229	233	0	245	220	0	0	0
700	83	0	78	0	126	0	136	0	0	0	0	0	240	0	265	210	238	0	269	180	249	0	267	233	232	0	248	207	0	0	0
800	99	0	93	0	143	0	155	0	0	0	0	0	241	0	286	213	237	0	300	180	245	0	261	209	230	0	244	209	0	0	0
900	85	0	82	0	130	0	129	0	0	0	0	0	244	0	273	200	239	0	275	209	244	0	273	217	229	0	257	197	0	0	0
1000	102	0	94	0	143	0	150	0	0	0	0	0	242	0	287	199	240	0	300	182	247	0	269	218	231	0	247	192	0	0	0
1100	117	0	110	0	163	0	173	0	0	0	0	0	247	0	285	205	243	0	304	219	255	0	271	235	238	0	244	231	0	0	0
1200	111	0	103	0	149	0	162	0	0	0	0	0	247	0	274	216	244	0	265	179	251	0	262	243	234	0	254	219	0	0	0
1300	122	0	119	0	144	0	155	0	0	0	0	0	246	0	262	224	240	0	275	209	248	0	260	236	232	0	246	212	0	0	0
1400	116	0	111	0	133	0	133	0	0	0	0	0	248	0	262	225	245	0	265	216	245	0	264	217	229	0	255	203	0	0	0
1500	81	0	73	0	129	0	132	0	0	0	0	0	249	0	279	214	244	0	275	209	256	0	272	219	240	0	271	210	0	0	0
1600	81	0	75	0	95	0	102	0	0	0	0	0	246	0	272	226	241	0	275	210	255	0	270	231	238	0	247	224	0	0	0
1700	82	0	77	0	90	0	96	0	0	0	0	0	249	0	287	223	243	0	275	211	246	0	269	197	231	0	265	195	0	0	0
1800	53	0	44	0	68	0	79	0	0	0	0	0	233	0	277	195	230	0	275	180	231	0	259	203	215	0	249	173	0	0	0
1900	49	0	38	0	82	0	79	0	0	0	0	0	220	0	254	179	217	0	254	169	220	0	239	204	205	0	219	189	0	0	0
2000	59	0	44	0	130	0	105	0	0	0	0	0	209	0	262	155	208	0	269	167	208	0	225	183	193	0	256	171	0	0	0
2100	98	0	77	0	154	0	144	0	0	0	0	0	218	0	252	185	215	0	258	164	217	0	247	183	201	0	223	155	0	0	0
2200	102	0	88	0	182	0	159	0	0	0	0	0	229	0	258	199	225	0	269	174	226	0	258	204	211	0	233	164	0	0	0
2300	111	0	103	0	171	0	175	0	0	0	0	0	234	0	258	195	232	0	265	178	232	0	259	204	216	0	239	192	0	0	0
2400	121	0	112	0	183	0	189	0	0	0	0	0	235	0	269	208	232	0	270	209	233	0	256	198	217	0	237	192	0	0	0

	AMB. TEMI 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN
100	552	0	546	0	549	0	555	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
200	555	0	548	0	561	0	557	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
300	550	0	545	0	557	0	554	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
400	541	0	536	0	541	0	536	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
500	534	0	528	0	537	0	534	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
600	536	0	530	0	534	0	530	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
700	552	0	546	0	548	0	545	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
800	564	0	559	0	557	0	554	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
900	577	0	572	0	576	0	573	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
1000	590	0	584	0	592	0	579	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
1100	624	0	618	0	618	0	617	0	320	0	320	0	-1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
1200	665	0	660	0	649	0	647	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
1300	680	0	676	0	665	0	663	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
1400	692	0	687	0	681	0	678	0	320	0	320	0	-1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
1500	721	0	717	0	692	0	690	0	320	0	320	0	-19	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
1600	721	0	716	0	703	0	699	0	320	0	320	0	-3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
1700	725	0	719	0	705	0	701	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
1800	732	0	726	0	699	0	694	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
1900	705	0	699	0	692	0	687	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
2000	685	0	678	0	680	0	674	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
2100	685	0	680	0	681	0	676	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
2200	685	0	680	0	678	0	674	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
2300	669	0	665	0	665	0	662	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104
2400	658	0	654	0	656	0	653	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	104

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3.= UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50	B	S			150A	S			150B	S			S	
100	158	0	150	0	207	0	252	0	0	0	0	0	242	0	267	213	236	0	285	209	246	0	261	222	230	0	247	186	0	0	0	0	0	
200	72	0	58	0	104	0	111	0	0	0	0	0	222	0	249	172	216	0	258	140	236	0	253	218	220	0	239	202	0	0	0	0	0	
300	126	0	121	0	179	0	191	0	0	0	0	0	243	0	267	207	242	0	265	209	246	0	268	230	229	0	255	204	0	0	0	0	0	
400	68	0	53	0	106	0	126	0	0	0	0	0	192	0	259	105	192	0	267	119	201	0	241	157	187	0	223	156	0	0	0	0	0	
500	118	0	100	0	140	0	175	0	0	0	0	0	221	0	262	139	218	0	260	137	219	0	250	194	205	0	233	179	0	0	0	0	0	
600	92	0	70	0	105	0	143	0	0	0	0	0	213	0	267	118	211	0	269	136	217	0	245	186	202	0	233	166	0	0	0	0	0	
700	159	0	144	0	215	0	224	0	0	0	0	0	294	0	319	260	283	0	320	254	306	0	337	284	286	0	314	259	0	0	0	0	0	
800	145	0	129	0	202	0	216	0	0	0	0	0	21	0	74	328	19	0	83	300	11	0	39	340	353	0	42	320	0	0	0	0	0	
900	128	0	118	0	173	0	167	0	0	0	0	0	25	0	58	345	22	0	85	312	19	0	48	349	1	0	39	323	0	0	0	0	0	
1000	142	0	136	0	226	0	222	0	0	0	0	0	12	0	51	323	12	0	95	309	5	0	38	324	346	0	26	304	0	0	0	0	0	
1100	141	0	133	0	208	0	208	0	0	0	0	0	22	0	51	322	17	0	84	273	13	0	49	337	355	0	39	326	0	0	0	0	0	
1200	112	0	110	0	179	0	175	0	0	0	0	0	356	0	71	270	2	0	134	292	5	0	39	325	348	0	44	304	0	0	0	0	0	
1300	101	0	106	0	148	0	184	0	0	0	0	0	5	0	170	277	8	0	139	272	7	0	83	306	347	0	49	302	0	0	0	0	0	
1400	128	0	124	0	195	0	180	0	0	0	0	0	344	0	33	301	340	0	68	271	2	0	35	326	342	0	18	303	0	0	0	0	0	
1500	90	0	95	0	139	0	140	0	0	0	0	0	23	0	63	325	25	0	92	320	16	0	49	326	356	0	34	298	0	0	0	0	0	
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	
1700	68	0	74	0	109	0	104	0	0	0	0	0	14	0	133	286	9	0	132	271	16	0	76	318	358	0	47	298	0	0	0	0	0	
1800	83	0	86	0	102	0	102	0	0	0	0	0	29	0	77	348	27	0	85	317	20	0	76	342	358	0	43	310	0	0	0	0	0	
1900	87	0	88	0	113	0	112	0	0	0	0	0	30	0	61	11	28	0	85	356	33	0	74	12	14	0	73	354	0	0	0	0	0	
2000	55	0	56	0	71	0	70	0	0	0	0	0	17	0	34	2	13	0	41	357	18	0	34	359	359	0	15	342	0	0	0	0	0	
2100	30	0	32	0	46	0	46	0	0	0	0	0	347	0	14	304	345	0	7	312	351	0	8	334	332	0	353	314	0	0	0	0	0	
2200	51	0	54	0	67	0	69	0	0	0	0	0	312	0	341	281	307	0	355	266	324	0	347	303	303	0	321	280	0	0	0	0	0	
2300	67	0	69	0	107	0	105	0	0	0	0	0	27	0	82	343	24	0	84	315	19	0	45	353	1	0	36	337	0	0	0	0	0	
2400	67	0	65	0	125	0	114	0	0	0	0	0	6	0	45	319	0	0	79	301	8	0	51	300	348	0	58	304	0	0	0	0	0	

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		BARO
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	642	0	636	0	640	0	636	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104
200	584	0	577	0	595	0	590	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104
300	595	0	590	0	584	0	581	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104
400	563	0	557	0	564	0	561	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
500	579	0	573	0	579	0	575	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
600	575	0	570	0	579	0	575	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
700	548	0	543	0	537	0	534	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
800	433	0	426	0	422	0	419	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
900	458	0	453	0	444	0	440	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
1000	460	0	455	0	435	0	431	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
1100	447	0	442	0	434	0	422	0	320	0	320	0	-21	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
1200	469	0	464	0	433	0	429	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
1300	478	0	474	0	444	0	440	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
1400	482	0	476	0	449	0	444	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
1500	485	0	482	0	462	0	458	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
1700	491	0	487	0	460	0	456	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
1800	480	0	474	0	465	0	462	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
1900	473	0	467	0	462	0	458	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
2000	455	0	447	0	453	0	446	0	320	0	320	0	-3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
2100	435	0	428	0	440	0	435	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
2200	431	0	424	0	433	0	428	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
2300	439	0	429	0	438	0	433	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106
2400	428	0	422	0	436	0	420	0	320	0	320	0	-1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	74	0	73	0	117	0	118	0	0	0	0	0	18	0	61	322	14	0	84	312	12	0	50	333	353	0	42	312	0	0	0	0	6
200	105	0	102	0	142	0	138	0	0	0	0	0	29	0	69	8	29	0	02	350	28	0	48	6	9	0	27	343	0	0	0	0	6
300	42	0	43	0	68	0	70	0	0	0	0	0	98	0	84	15	54	0	130	0	42	0	67	12	24	0	58	346	0	0	0	0	6
400	40	0	40	0	46	0	47	0	0	0	0	0	126	0	134	114	129	0	141	120	94	0	102	85	78	0	93	67	0	0	0	0	6
500	27	0	27	0	34	0	28	0	0	0	0	0	121	0	128	111	124	0	131	120	58	3	84	33	39	3	62	19	0	0	0	0	6
600	30	0	29	0	42	0	42	0	0	0	0	0	20	3	42	348	16	3	40	356	7	0	22	354	348	0	9	331	0	0	0	0	6
700	30	0	29	0	48	0	49	0	0	0	0	0	12	3	109	284	13	3	131	272	9	0	79	317	352	0	59	278	0	0	0	0	6
800	49	0	49	0	70	0	72	0	0	0	0	0	339	0	114	261	339	0	138	271	346	0	14	276	326	0	354	253	0	0	0	0	6
900	68	0	68	0	90	0	89	0	0	0	0	0	316	0	0	272	308	0	357	259	333	0	19	297	312	0	1	284	0	0	0	0	6
1000	88	0	88	0	105	0	108	0	0	0	0	0	304	0	335	274	296	0	354	256	321	0	335	304	299	0	324	278	0	0	0	0	6
1100	85	0	87	0	109	0	110	0	0	0	0	0	312	0	351	269	301	0	355	186	329	0	353	307	306	0	343	282	0	0	0	0	6
1200	79	0	80	0	108	0	110	0	0	0	0	0	307	0	338	267	301	0	355	259	326	0	0	283	305	0	339	279	0	0	0	0	6
1300	70	0	71	0	98	0	90	0	0	0	0	0	313	0	359	252	307	0	356	221	325	0	5	279	306	0	354	256	0	0	0	0	6
1400	44	0	48	0	63	0	65	0	0	0	0	0	291	0	359	219	295	0	357	181	328	0	31	285	305	0	347	218	0	0	0	0	6
1500	45	0	48	0	61	0	63	0	0	0	0	0	299	0	358	202	300	0	359	220	335	0	25	277	315	0	356	237	0	0	0	0	6
1600	57	0	56	0	70	0	69	0	0	0	0	0	340	0	156	273	333	0	91	271	354	0	53	297	335	0	64	287	0	0	0	0	6
1700	71	0	77	0	86	0	85	0	0	0	0	0	20	0	64	279	17	0	90	271	17	0	57	345	357	0	43	306	0	0	0	0	6
1800	66	0	66	0	91	0	89	0	0	0	0	0	22	0	151	329	14	0	93	312	23	0	66	352	6	0	41	333	0	0	0	0	6
1900	52	0	56	0	66	0	66	0	0	0	0	0	47	0	88	15	54	0	87	357	37	0	62	6	20	0	50	343	0	0	0	0	6
2000	37	0	38	0	50	0	52	0	0	0	0	0	33	0	63	5	37	0	86	357	42	0	62	19	23	0	45	1	0	0	0	0	6
2100	48	0	49	0	62	0	63	0	0	0	0	0	94	0	109	85	93	0	130	75	97	0	103	90	82	0	88	74	0	0	0	0	6
2200	47	0	46	0	63	0	67	0	0	0	0	0	127	0	132	124	130	0	136	125	126	0	131	120	112	0	118	106	0	0	0	0	6
2300	47	0	49	0	74	0	76	0	0	0	0	0	163	0	178	122	155	0	181	96	133	0	141	124	119	0	127	111	0	0	0	0	6
2400	50	0	53	2	72	0	74	2	0	0	0	0	166	0	194	135	165	2	218	126	146	0	153	136	132	2	140	123	0	0	0	0	6

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	426	0	419	0	432	0	419	0	320	0	320	0	-3	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
200	435	0	428	0	439	0	424	0	320	0	320	0	-3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
300	417	0	408	0	424	0	419	0	320	0	320	0	7	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
400	413	0	404	0	422	0	417	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
500	410	0	399	0	406	0	401	0	320	0	320	0	-1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
600	413	0	404	0	420	0	415	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
700	446	0	440	0	433	0	428	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
800	465	0	460	0	440	0	435	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
900	462	0	456	0	437	0	433	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1000	469	0	464	0	438	0	435	0	320	0	320	0	-28	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1100	480	0	474	0	449	0	446	0	320	0	320	0	-28	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1200	494	0	489	0	449	0	446	0	320	0	320	0	-43	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1300	507	0	503	0	456	0	453	0	320	0	320	0	-52	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1400	503	0	500	0	460	0	458	0	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1500	512	0	509	0	473	0	469	0	320	0	320	0	-39	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1600	518	0	512	0	474	0	473	0	320	0	320	0	-41	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1700	489	0	485	0	462	0	458	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1800	482	0	476	0	464	0	458	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1900	476	0	471	0	458	0	453	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
2000	437	0	429	0	437	0	431	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
2100	420	0	410	0	435	0	431	0	320	0	320	0	16	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
2200	426	0	417	0	442	0	437	0	320	0	320	0	18	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
2300	417	0	410	0	438	0	433	0	320	0	320	0	39	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
2400	437	0	428	2	469	2	465	2	320	0	320	0	32	0	34	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0

STATUS CODE(S) DEFINITIONS = 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	60	0	59	0	89	0	92	0	0	0	0	0	177	0	240	143	176	0	219	120	163	0	165	155	148	0	151	141	0	0	0	0		
200	60	0	62	0	106	0	110	0	0	0	0	0	163	0	193	140	164	0	186	131	159	0	159	157	144	0	148	144	0	0	0	0		
300	58	0	54	0	139	0	118	0	0	0	0	0	168	0	207	124	170	0	254	120	167	0	191	140	153	0	176	127	0	0	0	0		
400	44	0	44	0	105	0	122	0	0	0	0	0	173	0	248	127	171	0	237	120	192	0	200	186	178	0	233	156	0	0	0	0		
500	60	0	46	0	111	0	109	0	0	0	0	0	210	0	231	173	209	0	243	165	222	0	231	213	209	0	216	199	0	0	0	0		
600	41	0	40	0	143	0	116	0	0	0	0	0	151	0	215	109	149	0	230	120	191	0	197	180	178	0	251	166	0	0	0	0		
700	49	0	45	0	137	0	111	0	0	0	0	0	163	0	241	97	158	0	243	96	183	0	204	152	170	0	199	145	0	0	0	0		
800	50	0	47	0	97	0	92	0	0	0	0	0	161	0	260	95	158	0	266	90	178	0	240	90	164	0	212	123	0	0	0	0		
900	54	0	51	0	92	0	87	0	0	0	0	0	183	0	269	122	169	0	268	90	179	0	228	122	167	0	200	90	0	0	0	0		
1000	67	0	69	0	90	0	86	0	0	0	0	0	243	0	356	183	238	0	355	180	208	0	266	104	193	0	247	114	0	0	0	0		
1100	95	0	94	0	135	0	131	0	0	0	0	0	242	0	318	197	238	0	274	182	244	0	269	218	227	0	254	197	0	0	0	0		
1200	81	0	78	0	104	0	109	0	0	0	0	0	241	0	286	205	236	0	310	182	256	0	294	230	240	0	279	195	0	0	0	0		
1300	65	0	62	0	75	0	79	0	0	0	0	0	268	0	300	229	261	0	306	221	266	0	302	225	247	0	283	195	0	0	0	0		
1400	62	0	64	0	61	0	65	0	0	0	0	0	268	0	290	242	261	0	312	222	260	0	291	204	245	0	277	196	0	0	0	0		
1500	53	0	53	0	51	0	55	0	0	0	0	0	301	0	39	280	291	0	317	259	290	0	316	266	270	0	294	249	0	0	0	0		
1600	37	0	36	0	61	0	65	0	0	0	0	0	298	0	341	237	288	0	346	216	300	0	332	274	280	0	306	265	0	0	0	0		
1700	20	0	18	0	40	0	45	0	0	0	0	0	305	0	356	243	295	3	355	222	297	0	322	269	276	0	298	249	0	0	0	0		
1800	45	0	43	0	63	0	65	0	0	0	0	0	222	0	260	138	220	0	266	136	233	0	274	195	218	0	263	153	0	0	0	0		
1900	49	0	49	0	63	0	68	0	0	0	0	0	243	0	281	214	238	0	272	181	251	0	270	226	236	0	257	217	0	0	0	0		
2000	24	0	25	0	37	0	38	0	0	0	0	0	243	0	261	230	235	0	265	222	228	0	250	212	214	0	236	195	0	0	0	0		
2100	32	0	31	0	49	0	40	0	0	0	0	0	184	0	223	162	181	0	213	165	194	0	198	189	179	0	185	174	0	0	0	0		
2200	59	0	45	0	106	0	108	0	0	0	0	0	211	0	231	192	210	0	231	169	226	0	236	218	213	0	221	204	0	0	0	0		
2300	48	0	45	0	132	0	103	0	0	0	0	0	169	0	234	112	169	0	220	120	186	0	198	164	172	0	198	151	0	0	0	0		
2400	58	0	57	0	111	0	116	0	0	0	0	0	132	0	154	102	136	0	175	89	155	0	176	141	144	0	154	130	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MMAIN	S
100	433	0	426	0	471	0	465	0	320	0	320	0	37	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
200	417	0	410	0	480	0	474	0	320	0	320	0	63	0	64	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
300	406	0	399	0	482	0	476	0	320	0	320	0	75	0	77	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
400	410	0	402	0	482	0	478	0	320	0	320	0	72	0	73	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
500	408	0	401	0	446	0	440	0	320	0	320	0	37	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
600	402	0	395	0	481	0	496	0	320	0	320	0	48	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
700	483	0	478	0	473	0	467	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
800	534	0	530	0	505	0	501	0	320	0	320	0	-29	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
900	579	0	575	0	548	0	545	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
1000	602	0	597	0	577	0	573	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
1100	609	0	604	0	586	0	584	0	320	0	320	0	-21	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
1200	608	0	602	0	604	0	602	0	320	0	320	0	-1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
1300	629	0	624	0	633	0	611	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
1400	627	0	622	0	631	0	627	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
1500	676	0	672	0	647	0	644	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
1600	617	0	613	0	602	0	597	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
1700	620	0	615	0	611	0	606	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
1800	602	0	595	0	608	0	602	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
1900	599	0	591	0	597	0	591	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
2000	591	0	584	0	591	0	588	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
2100	591	0	584	0	602	0	597	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
2200	572	0	566	0	599	0	593	0	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
2300	568	0	563	0	577	0	572	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	
2400	572	0	566	0	573	0	570	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 30 A S	WIND SPD2 30 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	47 0	49 0	107 0	107 0	0 0	0 0	145 0	196	117	144 0	177	91	168 0	191	138	156 0	176	136	0 0	0	0	
200	53 0	55 0	112 0	105 0	0 0	0 0	168 0	251	124	166 0	216	90	179 0	195	163	165 0	183	147	0 0	0	0	
300	46 0	48 0	103 0	96 0	0 0	0 0	164 0	199	102	160 0	215	120	177 0	196	157	165 0	191	152	0 0	0	0	
400	42 0	45 0	97 0	77 0	0 0	0 0	134 0	172	88	133 0	177	75	161 0	187	126	149 0	184	120	0 0	0	0	
500	53 0	57 0	101 0	105 0	0 0	0 0	122 0	158	101	127 0	175	87	146 0	159	116	135 0	147	114	0 0	0	0	
600	66 0	68 0	113 0	138 0	0 0	0 0	130 0	166	103	133 0	177	86	150 0	168	130	139 0	153	123	0 0	0	0	
700	79 0	85 0	126 0	161 0	0 0	0 0	142 0	210	110	145 0	192	96	168 0	179	139	148 0	172	125	0 0	0	0	
800	90 0	94 0	135 0	160 0	0 0	0 0	141 0	176	89	143 0	186	90	160 0	185	139	147 0	170	124	0 0	0	0	
900	93 0	99 0	142 0	164 0	0 0	0 0	135 0	168	102	137 0	178	87	152 0	168	133	139 0	156	124	0 0	0	0	
1000	95 0	99 0	107 0	173 0	0 0	0 0	129 0	164	94	126 0	175	2	148 0	176	120	134 0	152	112	0 0	0	0	
1100	79 0	78 0	142 0	138 0	0 0	0 0	154 0	224	95	152 0	261	91	173 0	245	128	161 0	269	120	0 0	0	0	
1200	87 0	91 0	154 0	150 0	0 0	0 0	160 0	246	99	158 0	261	92	171 0	230	101	157 0	213	119	0 0	0	0	
1300	76 0	78 0	136 0	140 0	0 0	0 0	150 0	206	100	154 0	216	91	164 0	190	125	151 0	175	119	0 0	0	0	
1400	84 0	79 0	135 0	147 0	0 0	0 0	159 0	222	96	164 0	260	93	171 0	190	131	158 0	204	131	0 0	0	0	
1500	75 0	78 0	139 0	130 0	0 0	0 0	143 0	185	103	146 0	223	90	156 0	183	123	145 0	169	113	0 0	0	0	
1600	89 0	98 0	137 0	142 0	0 0	0 0	136 0	195	97	138 0	175	87	146 0	161	125	134 0	148	118	0 0	0	0	
1700	71 0	77 0	130 0	114 0	0 0	0 0	130 0	177	87	128 0	175	77	147 0	183	128	135 0	170	114	0 0	0	0	
1800	70 0	75 0	117 0	118 0	0 0	0 0	149 0	200	104	146 0	227	97	156 0	179	135	148 0	165	125	0 0	0	0	
1900	71 0	70 0	134 0	127 0	0 0	0 0	149 0	187	102	151 0	226	91	165 0	184	142	152 0	172	134	0 0	0	0	
2000	68 0	70 0	135 0	128 0	0 0	0 0	142 0	179	68	146 0	216	90	162 0	180	133	149 0	169	124	0 0	0	0	
2100	79 0	77 0	147 0	151 0	0 0	0 0	145 0	188	105	148 0	220	92	162 0	178	139	150 0	165	131	0 0	0	0	
2200	75 0	77 0	141 0	148 0	0 0	0 0	145 0	195	106	148 0	219	92	162 0	184	141	150 0	194	131	0 0	0	0	
2300	65 0	66 0	137 0	122 0	0 0	0 0	152 0	199	105	151 0	260	91	171 0	199	142	157 0	187	137	0 0	0	0	
2400	66 0	62 0	147 0	128 0	0 0	0 0	182 0	258	107	175 0	265	91	190 0	218	158	175 0	201	129	0 0	0	0	

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 150A S	AMB. TEM4 150B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 150A S	D.T. 2 150B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN
100	569 0	561 0	570 0	564 0	320 0	320 0	1 0	3 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
200	563 0	555 0	561 0	557 0	320 0	320 0	0 0	1 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
300	552 0	545 0	552 0	546 0	320 0	320 0	0 0	1 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
400	557 0	550 0	552 0	548 0	320 0	320 0	-5 0	-3 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
500	557 0	550 0	552 0	548 0	320 0	320 0	-3 0	-1 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
600	557 0	552 0	554 0	548 0	320 0	320 0	-5 0	-3 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
700	564 0	559 0	559 0	554 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
800	572 0	566 0	564 0	559 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
900	568 0	563 0	567 0	559 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
1000	586 0	581 0	568 0	564 0	320 0	320 0	-16 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
1100	609 0	609 0	584 0	579 0	320 0	320 0	-25 0	-25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
1200	631 0	626 0	600 0	595 0	320 0	320 0	-30 0	-30 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
1300	620 0	617 0	591 0	586 0	320 0	320 0	-28 0	-30 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
1400	600 0	595 0	573 0	570 0	320 0	320 0	-25 0	-25 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
1500	554 0	548 0	537 0	534 0	320 0	320 0	-16 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
1600	563 0	557 0	548 0	545 0	320 0	320 0	-19 0	-19 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
1700	591 0	586 0	573 0	570 0	320 0	320 0	-18 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
1800	599 0	593 0	584 0	579 0	320 0	320 0	-14 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
1900	595 0	588 0	584 0	579 0	320 0	320 0	-10 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
2000	581 0	573 0	572 0	568 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
2100	579 0	573 0	572 0	568 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
2200	575 0	570 0	586 0	563 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
2300	573 0	568 0	568 0	564 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100
2400	584 0	579 0	579 0	573 0	320 0	320 0	-5 0	-3 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	100

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50 B	S		150A	S		150B	S			S			S	
100	71	0	63	0	144	0	121	0	0	0	0	0	193	0	266	106	192	0	265	96	197	0	238	159	186	0	264	144	0	0	0	0	0	0
200	87	0	75	0	151	0	134	0	0	0	0	0	211	0	250	149	207	0	269	120	209	0	236	152	194	0	221	154	0	0	0	0	0	0
300	84	0	81	0	137	0	126	0	0	0	0	0	234	0	275	201	232	0	277	181	231	0	263	204	216	0	244	187	0	0	0	0	0	0
400	132	0	131	0	108	0	194	0	0	0	0	0	258	0	304	204	254	0	321	210	264	0	317	206	247	0	297	191	0	0	0	0	0	0
500	133	0	131	0	109	0	196	0	0	0	0	0	291	0	318	269	283	0	349	256	305	0	315	289	284	0	294	264	0	0	0	0	0	0
600	141	0	136	0	196	0	202	0	0	0	0	0	295	0	315	252	288	0	351	256	311	0	331	287	289	0	310	257	0	0	0	0	0	0
700	126	0	133	0	166	0	169	0	0	0	0	0	305	0	330	276	292	0	322	262	317	0	328	304	296	0	307	277	0	0	0	0	0	0
800	121	0	120	0	162	0	168	0	0	0	0	0	299	0	320	278	291	0	321	227	313	0	326	297	290	0	303	275	0	0	0	0	0	0
900	95	0	98	0	131	0	136	0	0	0	0	0	291	0	325	251	282	0	321	186	305	0	324	282	282	0	299	264	0	0	0	0	0	0
1000	61	0	64	0	75	0	80	0	0	0	0	0	286	0	339	246	281	0	322	226	290	0	324	250	271	0	298	217	0	0	0	0	0	0
1100	80	0	86	0	81	0	84	0	0	0	0	0	266	0	283	241	263	0	307	226	266	0	291	233	249	0	261	221	0	0	0	0	0	0
1200	76	0	78	0	82	0	89	0	0	0	0	0	246	0	302	208	245	0	317	181	257	0	293	202	238	0	269	189	0	0	0	0	0	0
1300	57	0	58	0	60	0	63	0	0	0	0	0	267	0	315	221	260	0	308	181	249	0	303	204	231	0	281	187	0	0	0	0	0	0
1400	61	0	61	0	70	0	75	0	0	0	0	0	252	0	311	195	250	0	310	203	257	0	310	221	239	0	293	202	0	0	0	0	0	0
1500	199	0	186	0	261	0	269	0	0	0	0	0	280	0	313	237	270	0	312	216	288	0	320	230	267	0	298	197	0	0	0	0	0	0
1600	44	0	46	0	70	0	71	0	0	0	0	0	50	0	110	0	54	0	109	1	38	0	108	344	19	0	88	330	0	0	0	0	0	0
1700	58	0	57	0	63	0	65	0	0	0	0	0	113	0	134	85	114	0	137	64	114	0	134	79	98	0	118	62	0	0	0	0	0	0
1800	54	0	57	0	67	0	72	0	0	0	0	0	244	0	283	211	241	0	277	180	253	0	297	227	235	0	261	209	0	0	0	0	0	0
1900	61	0	63	0	85	0	88	0	0	0	0	0	269	0	313	219	265	0	316	220	290	0	333	243	271	0	317	224	0	0	0	0	0	0
2000	80	0	85	0	102	0	110	0	0	0	0	0	288	0	331	243	281	0	322	226	295	0	342	221	275	0	304	224	0	0	0	0	0	0
2100	87	0	89	0	137	0	134	0	0	0	0	0	262	0	290	231	255	0	306	211	270	0	287	239	251	0	265	221	0	0	0	0	0	0
2200	133	0	130	0	180	0	185	0	0	0	0	0	300	0	325	279	292	0	351	245	312	0	322	300	289	0	302	280	0	0	0	0	0	0
2300	74	0	77	0	107	0	112	0	0	0	0	0	260	0	294	227	257	0	306	227	272	0	293	252	253	0	274	231	0	0	0	0	0	0
2400	61	0	60	0	98	0	104	0	0	0	0	0	232	0	269	191	230	0	267	180	242	0	262	208	225	0	244	194	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		S.MAIN	S
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S		
100	590	0	582	0	601	0	577	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
200	593	0	586	0	604	0	581	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
300	595	0	590	0	608	0	582	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
400	575	0	570	0	588	0	563	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
500	518	0	510	0	512	0	507	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
600	510	0	505	0	501	0	498	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
700	485	0	480	0	476	0	474	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
800	491	0	485	0	476	0	474	0	320	0	320	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
900	500	0	494	0	483	0	478	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
1000	525	0	519	0	509	0	505	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
1100	523	0	518	0	534	0	530	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
1200	545	0	539	0	546	0	543	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
1300	586	0	582	0	575	0	572	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1400	635	0	629	0	615	0	613	0	320	0	320	0	-19	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1500	568	0	563	0	548	0	545	0	320	0	320	0	-19	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1600	474	0	469	0	467	0	462	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	210	0
1700	498	0	494	0	492	0	491	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	210	0
1800	530	0	525	0	525	0	521	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	210	0
1900	512	0	507	0	507	0	503	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	210	0
2000	496	0	489	0	491	0	485	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	210	0
2100	489	0	483	0	483	0	478	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	210	0
2200	492	0	485	0	482	0	476	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	210	0
2300	478	0	473	0	474	0	473	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	211	0
2400	476	0	471	0	478	0	474	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	211	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	
100	39	0	33	0	85	0	80	0	0	0	0	0	202	0	241	158	197	0	237	131	221	0	243	203	205	0	221	186	0	0	0	0	0	0
200	83	0	87	0	122	0	128	0	0	0	0	0	258	0	285	228	254	0	301	211	266	0	286	246	248	0	268	226	0	0	0	0	0	0
300	105	0	107	0	165	0	175	0	0	0	0	0	261	0	290	231	257	0	301	226	266	0	281	244	248	0	259	221	0	0	0	0	0	0
400	161	0	166	0	195	0	205	0	0	0	0	0	268	0	304	254	264	0	302	238	278	0	296	266	260	0	275	248	0	0	0	0	0	0
500	139	0	140	0	169	0	177	0	0	0	0	0	268	0	295	239	263	0	312	227	279	0	301	260	260	0	289	240	0	0	0	0	0	0
600	140	0	142	0	180	0	190	0	0	0	0	0	272	0	312	243	266	0	320	222	282	0	313	251	262	0	304	211	0	0	0	0	0	0
700	202	0	210	0	257	0	273	0	0	0	0	0	269	0	281	233	263	0	281	216	270	0	290	255	253	0	269	241	0	0	0	0	0	0
800	163	0	163	0	245	0	261	0	0	0	0	0	255	0	288	228	252	0	313	196	262	0	289	243	294	0	272	225	0	0	0	0	0	0
900	221	0	232	0	307	0	322	0	0	0	0	0	266	0	282	242	263	0	301	221	268	0	276	246	252	0	259	243	0	0	0	0	0	0
1000	238	0	245	0	291	0	306	0	0	0	0	0	268	0	282	239	264	0	278	224	271	0	281	260	255	0	262	242	0	0	0	0	0	0
1100	195	0	196	0	236	0	236	0	0	0	0	0	268	0	286	251	265	0	305	231	275	0	293	253	258	0	267	242	0	0	0	0	0	0
1200	147	0	149	0	236	0	235	0	0	0	0	0	260	0	287	215	255	0	293	183	264	0	292	223	247	0	266	199	0	0	0	0	0	0
1300	178	0	184	0	247	0	263	0	0	0	0	0	264	0	287	238	262	0	303	234	265	0	281	242	248	0	259	221	0	0	0	0	0	0
1400	137	0	141	0	200	0	213	0	0	0	0	0	262	0	286	216	256	0	283	216	265	0	280	230	248	0	267	210	0	0	0	0	0	0
1500	103	0	101	0	146	0	176	0	0	0	0	0	258	0	288	229	253	0	305	211	262	0	289	233	244	0	266	222	0	0	0	0	0	0
1600	138	0	139	0	195	0	205	0	0	0	0	0	249	0	274	224	245	0	277	214	257	0	280	246	240	0	252	225	0	0	0	0	0	0
1700	134	0	135	0	193	0	194	0	0	0	0	0	250	0	275	229	247	0	277	211	259	0	265	240	237	0	248	223	0	0	0	0	0	0
1800	108	0	107	0	151	0	160	0	0	0	0	0	246	0	279	210	243	0	355	211	254	0	269	236	238	0	260	207	0	0	0	0	0	0
1900	95	0	98	0	129	0	126	0	0	0	0	0	265	0	297	238	260	0	305	232	276	0	305	253	257	0	281	232	0	0	0	0	0	0
2000	51	0	45	0	72	0	78	0	0	0	0	0	226	0	248	199	225	0	254	178	237	0	275	212	220	0	236	205	0	0	0	0	0	0
2100	52	0	52	0	91	0	98	0	0	0	0	0	237	0	258	193	234	0	265	170	242	0	277	215	224	0	238	197	0	0	0	0	0	0
2200	63	0	63	0	99	0	100	0	0	0	0	0	251	0	285	220	250	0	301	181	259	0	277	241	242	0	263	224	0	0	0	0	0	0
2300	89	0	92	0	131	0	141	0	0	0	0	0	262	0	292	228	258	0	302	221	268	0	304	235	250	0	288	221	0	0	0	0	0	0
2400	121	0	122	0	170	0	182	0	0	0	0	0	259	0	281	224	254	0	282	214	266	0	299	243	249	0	271	221	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN
100	480	0	474	0	480	0	474	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	211
200	492	0	487	0	487	0	483	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	211
300	467	0	462	0	460	0	455	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
400	473	0	467	0	462	0	458	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
500	471	0	465	0	462	0	456	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
600	460	0	453	0	451	0	446	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
700	465	0	460	0	455	0	451	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
800	467	0	462	0	455	0	451	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
900	465	0	460	0	453	0	447	0	320	0	320	0	-12	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
1000	471	0	465	0	456	0	453	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	213
1100	478	0	473	0	465	0	462	0	320	0	320	0	-12	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
1200	491	0	485	0	478	0	474	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
1300	491	0	485	0	480	0	476	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
1400	501	0	496	0	489	0	485	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
1500	514	0	509	0	500	0	496	0	320	0	320	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	213
1600	518	0	510	0	505	0	501	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
1700	518	0	512	0	507	0	503	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
1800	523	0	518	0	514	0	510	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
1900	523	0	516	0	514	0	509	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	213
2000	507	0	501	0	503	0	498	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
2100	510	0	505	0	509	0	503	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
2200	518	0	512	0	520	0	507	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	214
2300	496	0	489	0	487	0	482	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	215
2400	489	0	483	0	482	0	478	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	216

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	109	0	109	0	131	0	130	0	0	0	0	0	294	0	325	255	293	0	359	242	300	0	315	273	279	0	297	260	0	0	0	0	0	0
200	85	0	86	0	111	0	118	0	0	0	0	0	264	0	287	227	258	0	306	210	270	0	283	258	251	0	263	229	0	0	0	0	0	0
300	113	0	109	0	150	0	158	0	0	0	0	0	264	0	319	234	258	0	301	220	270	0	280	255	253	0	262	240	0	0	0	0	0	0
400	88	0	89	0	136	0	136	0	0	0	0	0	249	0	275	217	244	0	278	182	253	0	277	227	235	0	259	207	0	0	0	0	0	0
500	142	0	137	0	104	0	170	0	0	0	0	0	267	0	300	242	262	0	321	214	280	0	331	242	261	0	309	227	0	0	0	0	0	0
600	155	0	144	0	197	0	206	0	0	0	0	0	292	0	326	259	284	0	320	232	303	0	314	286	282	0	304	264	0	0	0	0	0	0
700	117	0	116	0	159	0	165	0	0	0	0	0	299	0	320	272	294	0	346	248	312	0	318	303	289	0	299	281	0	0	0	0	0	0
800	119	0	116	0	158	0	164	0	0	0	0	0	299	0	327	276	294	0	351	254	310	0	332	299	288	0	301	278	0	0	0	0	0	0
900	101	0	95	0	132	0	138	0	0	0	0	0	297	0	330	267	292	0	345	254	307	0	315	296	284	0	292	275	0	0	0	0	0	0
1000	70	0	63	0	76	0	82	0	0	0	0	0	274	0	346	228	268	0	354	210	291	0	327	239	272	0	310	219	0	0	0	0	0	0
1100	67	0	63	0	79	0	84	0	0	0	0	0	272	0	314	216	270	0	315	206	282	0	314	241	269	0	298	221	0	0	0	0	0	0
1200	95	0	92	0	91	0	100	0	0	0	0	0	267	0	283	240	261	0	305	226	264	0	289	231	246	0	261	214	0	0	0	0	0	0
1300	104	0	101	0	101	0	108	0	0	0	0	0	265	0	278	237	261	0	275	224	268	0	286	243	250	0	266	224	0	0	0	0	0	0
1400	99	0	93	0	97	0	94	0	0	0	0	0	270	0	291	249	264	0	276	230	261	0	283	199	245	0	265	181	0	0	0	0	0	0
1500	51	0	43	0	41	0	67	0	0	0	0	0	282	0	331	222	273	0	359	219	295	0	324	242	278	0	310	231	0	0	0	0	0	0
1600	61	0	55	0	82	0	58	0	0	0	0	0	269	0	309	211	260	0	350	209	259	0	297	197	243	0	285	213	0	0	0	0	0	0
1700	52	0	47	0	49	0	54	0	0	0	0	0	252	0	291	228	248	0	305	209	271	0	310	219	250	0	301	187	0	0	0	0	0	0
1800	53	0	52	0	41	0	67	0	0	0	0	0	246	0	271	208	244	0	276	181	268	0	301	224	252	0	299	213	0	0	0	0	0	0
1900	56	0	51	0	67	0	73	0	0	0	0	0	259	0	292	224	252	0	305	210	264	0	276	252	247	0	265	224	0	0	0	0	0	0
2000	65	0	61	0	81	0	88	0	0	0	0	0	259	0	282	225	253	0	276	210	268	0	286	255	251	0	269	240	0	0	0	0	0	0
2100	51	0	45	0	58	0	63	0	0	0	0	0	256	0	289	229	249	0	287	219	270	0	311	252	252	0	279	222	0	0	0	0	0	0
2200	51	0	46	0	58	0	60	0	0	0	0	0	258	0	280	235	254	0	276	222	279	0	341	256	260	0	294	223	0	0	0	0	0	0
2300	77	0	71	0	97	0	102	0	0	0	0	0	299	0	329	275	291	0	320	254	312	0	325	303	289	0	302	280	0	0	0	0	0	0
2400	83	0	76	0	92	0	99	0	0	0	0	0	294	0	317	261	285	0	320	232	301	0	314	274	279	0	292	259	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	467	0	462	0	482	0	456	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	224	0
200	467	0	462	0	478	0	455	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	226	0
300	464	0	458	0	475	0	449	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	226	0
400	473	0	467	0	485	0	462	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	230	0
500	476	0	473	0	489	0	469	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	230	0
600	467	0	460	0	476	0	453	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
700	469	0	464	0	476	0	453	0	320	0	320	0	-12	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
800	474	0	467	0	488	0	455	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
900	480	0	474	0	486	0	453	0	320	0	320	0	-23	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
1000	492	0	487	0	473	0	469	0	320	0	320	0	-19	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
1100	510	0	505	0	485	0	483	0	320	0	320	0	-23	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	230	0
1200	510	0	505	0	507	0	505	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
1300	523	0	519	0	521	0	519	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	230	0
1400	537	0	532	0	535	0	523	0	320	0	320	0	-1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	230	0
1500	572	0	568	0	536	0	514	0	320	0	320	0	-48	0	-46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
1600	557	0	554	0	537	0	537	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
1700	566	0	561	0	537	0	536	0	320	0	320	0	-19	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
1800	559	0	554	0	539	0	536	0	320	0	320	0	-12	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
1900	537	0	532	0	533	0	519	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
2000	532	0	527	0	528	0	514	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
2100	528	0	523	0	529	0	516	0	320	0	320	0	-3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
2200	528	0	521	0	523	0	519	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
2300	528	0	523	0	526	0	519	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	231	0
2400	519	0	514	0	509	0	505	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND Band
100	72	0	69	0	90	0	91	0	0	0	0	0	314	0	1	279	303	0	350	247	320	0	345	291	298	0	319	279	0	0	0	0	U
200	39	0	32	0	50	0	51	0	0	0	0	0	7	0	47	297	8	0	80	309	10	0	42	332	352	0	78	320	0	0	0	0	U
300	44	0	37	0	63	0	63	0	0	0	0	0	359	0	176	287	349	0	39	272	7	0	45	338	348	0	61	323	0	0	0	0	U
400	56	0	49	0	71	0	70	0	0	0	0	0	26	0	96	8	19	0	79	356	23	0	32	14	5	0	62	353	0	0	0	0	U
500	25	0	23	0	34	0	36	0	0	0	0	0	54	3	75	36	70	3	84	356	33	0	44	25	14	0	24	5	0	0	0	0	U
600	34	0	28	0	38	0	39	0	0	0	0	0	14	0	27	343	3	3	39	311	9	0	16	1	349	0	357	341	0	0	0	0	U
700	28	0	23	0	31	0	33	0	0	0	0	0	355	3	68	279	356	3	96	304	9	0	51	308	349	0	40	313	0	0	0	0	U
800	30	0	26	0	33	0	36	0	0	0	0	0	332	3	94	278	336	3	84	270	354	0	49	301	334	0	23	290	0	0	0	0	U
900	44	0	37	0	43	0	46	0	0	0	0	0	303	0	341	277	296	0	320	209	314	0	341	291	292	0	316	266	0	0	0	0	U
1000	46	0	41	0	53	0	57	0	0	0	0	0	294	0	331	252	289	0	350	224	308	0	332	280	287	0	313	269	0	0	0	0	U
1100	50	0	43	0	53	0	58	0	0	0	0	0	299	0	352	245	284	0	349	215	309	0	343	281	288	0	323	260	0	0	0	0	U
1200	68	0	60	0	73	0	78	0	0	0	0	0	298	0	345	250	289	0	316	254	307	0	324	290	285	0	300	272	0	0	0	0	U
1300	79	0	76	0	78	0	82	0	0	0	0	0	302	0	333	284	292	0	318	269	303	0	321	291	281	0	295	266	0	0	0	0	U
1400	92	0	88	0	91	0	97	0	0	0	0	0	301	0	350	261	296	0	350	229	300	0	321	267	278	0	295	251	0	0	0	0	U
1500	86	0	81	0	82	0	88	0	0	0	0	0	303	0	328	275	293	0	320	269	300	0	319	278	279	0	307	255	0	0	0	0	U
1600	65	0	60	2	63	0	68	2	0	0	0	0	301	0	350	248	295	2	359	226	301	0	324	259	279	2	303	246	0	0	0	0	U
1700	37	0	32	0	36	0	41	0	0	0	0	0	293	0	348	232	290	0	359	206	291	0	336	198	272	0	348	214	0	0	0	0	U
1800	19	0	14	0	18	0	20	0	0	0	0	0	280	3	351	222	289	3	359	180	352	3	129	290	332	3	86	272	0	0	0	0	U
1900	13	0	9	0	10	0	15	0	0	0	0	0	8	3	110	270	33	3	96	300	53	3	100	5	30	3	75	351	0	0	0	0	U
2000	18	0	14	0	11	2	10	0	0	0	0	0	272	0	314	250	270	0	317	252	258	0	305	183	248	0	291	182	0	0	0	0	U
2100	27	0	22	0	31	0	21	0	0	0	0	0	182	0	189	175	178	0	185	170	172	0	175	166	159	0	162	152	0	0	0	0	U
2200	40	0	36	0	45	0	41	0	0	0	0	0	172	0	197	155	171	0	215	139	174	0	177	170	160	0	164	157	0	0	0	0	U
2300	50	0	43	0	47	0	52	0	0	0	0	0	167	0	182	149	171	0	215	131	174	0	180	166	161	0	168	152	0	0	0	0	U
2400	46	0	42	0	44	0	45	0	0	0	0	0	172	0	197	141	170	0	214	130	187	0	191	184	172	0	177	169	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 100A	S	AMB. TEM4 100B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 100A	S	D.T. 2 100B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	505	0	498	0	494	0	491	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
200	485	0	480	0	476	0	473	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
300	483	0	476	0	471	0	469	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
400	476	0	469	0	471	0	469	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
500	463	0	453	0	464	0	460	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
600	474	0	467	0	471	0	467	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
700	498	0	492	0	491	0	487	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
800	530	0	525	0	503	0	500	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
900	539	0	536	0	518	0	516	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
1000	541	0	536	0	514	0	512	0	320	0	320	0	-21	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
1100	545	0	541	0	518	0	516	0	320	0	320	0	-21	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
1200	563	0	557	0	530	0	507	0	320	0	320	0	-46	0	-46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
1300	566	0	561	0	535	0	521	0	320	0	320	0	-39	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
1400	559	0	555	0	538	0	514	0	320	0	320	0	-39	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
1500	573	0	568	0	538	0	525	0	320	0	320	0	-43	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
1600	572	0	568	2	534	2	532	2	320	0	320	0	-37	0	-36	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
1700	504	0	579	0	560	0	550	0	320	0	320	0	-32	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
1800	609	0	604	0	601	0	579	0	320	0	320	0	-23	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
1900	581	0	573	0	561	0	557	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
2000	536	0	527	0	535	0	519	0	320	0	320	0	-1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
2100	541	0	534	0	548	0	545	0	320	0	320	0	14	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	234	0
2200	545	0	537	0	542	0	548	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
2300	523	0	516	0	542	0	550	0	320	0	320	0	37	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0
2400	519	0	512	0	547	0	554	0	320	0	320	0	46	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	231	0

STATUS (S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	56	0	52	0	100	0	84	0	0	0	0	0	160	0	187	126	161	0	205	119	177	0	179	175	164	0	167	162	0	0	0	0	0
200	51	0	46	0	128	0	124	0	0	0	0	0	126	0	137	113	128	0	140	119	164	0	167	162	152	0	153	149	0	0	0	0	0
300	61	0	50	0	130	0	128	0	0	0	0	0	146	0	169	115	141	0	174	78	180	0	185	171	166	0	171	156	0	0	0	0	0
400	63	0	55	0	144	0	122	0	0	0	0	0	162	0	213	109	163	0	214	90	184	0	197	170	170	0	259	93	0	0	0	0	0
500	56	0	45	0	137	0	119	0	0	0	0	0	178	0	266	95	173	0	230	91	188	0	210	168	173	0	222	157	0	0	0	0	0
600	57	0	51	0	139	0	121	0	0	0	0	0	131	0	153	103	135	0	179	85	166	0	182	150	151	0	170	129	0	0	0	0	0
700	57	0	50	0	131	0	119	0	0	0	0	0	144	0	190	104	141	0	179	85	171	0	185	162	158	0	169	144	0	0	0	0	0
800	51	0	44	0	98	0	93	0	0	0	0	0	146	0	207	95	140	0	178	78	169	0	197	131	156	0	175	109	0	0	0	0	0
900	52	0	43	0	92	0	83	0	0	0	0	0	167	0	257	113	162	0	263	119	180	0	203	148	165	0	204	131	0	0	0	0	0
1000	45	0	35	0	84	0	58	0	0	0	0	0	212	0	262	127	208	0	265	95	202	0	248	134	187	0	222	143	0	0	0	0	0
1100	31	0	21	0	81	0	46	0	0	0	0	0	207	0	260	136	202	3	259	130	207	0	239	182	193	0	219	169	0	0	0	0	0
1200	49	0	45	0	89	0	65	0	0	0	0	0	250	0	282	217	246	0	271	209	257	0	289	242	239	0	276	225	0	0	0	0	0
1300	136	0	130	0	108	0	200	0	0	0	0	0	246	0	273	229	244	0	272	215	250	0	259	240	233	0	244	222	0	0	0	0	0
1400	110	0	106	0	130	0	141	0	0	0	0	0	267	0	289	231	261	0	300	221	264	0	291	217	247	0	262	203	0	0	0	0	0
1500	67	0	61	0	89	0	77	0	0	0	0	0	268	0	289	237	261	0	282	221	263	0	282	208	245	0	265	214	0	0	0	0	0
1600	45	0	37	0	91	0	57	0	0	0	0	0	259	0	295	212	252	0	304	219	274	0	311	239	255	0	293	217	0	0	0	0	0
1700	41	0	37	0	48	0	54	0	0	0	0	0	246	0	270	221	241	0	264	219	247	0	280	222	230	0	252	207	0	0	0	0	0
1800	21	0	14	0	36	0	34	0	0	0	0	0	215	0	267	114	207	3	264	123	197	0	248	132	184	0	240	116	0	0	0	0	0
1900	36	0	26	0	87	0	52	0	0	0	0	0	222	0	269	168	214	3	266	122	212	0	244	191	199	0	263	174	0	0	0	0	0
2000	30	0	22	0	67	0	56	0	0	0	0	0	193	0	250	136	190	3	263	124	193	0	207	180	176	0	209	90	0	0	0	0	0
2100	43	0	36	0	95	0	97	0	0	0	0	0	146	0	173	95	146	0	185	91	170	0	183	151	157	0	167	145	0	0	0	0	0
2200	51	0	42	0	112	0	115	0	0	0	0	0	146	0	187	112	145	0	185	119	170	0	177	163	157	0	169	147	0	0	0	0	0
2300	40	0	37	0	97	0	83	0	0	0	0	0	166	0	216	102	161	0	215	119	183	0	198	171	168	0	182	160	0	0	0	0	0
2400	40	0	37	0	101	0	107	0	0	0	0	0	147	0	207	114	146	0	180	97	167	0	174	158	159	0	162	144	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	O.T. 1 180A	S	O.T. 2 180B	S	O.T. 3	S	O.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	BARAM	S
100	505	0	500	0	501	0	557	0	320	0	320	0	57	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
200	494	0	487	0	507	0	554	0	320	0	320	0	64	0	66	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
300	500	0	494	0	519	0	550	0	320	0	320	0	55	0	57	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
400	521	0	516	0	539	0	539	0	320	0	320	0	19	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
500	532	0	525	0	541	0	537	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
600	527	0	521	0	532	0	528	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
700	539	0	534	0	536	0	532	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
800	570	0	564	0	580	0	546	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
900	593	0	588	0	568	0	564	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
1000	620	0	617	0	593	0	590	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	230	0
1100	606	0	600	0	591	0	584	0	320	0	320	0	-1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
1200	618	0	615	0	602	0	599	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
1300	606	0	600	0	598	0	586	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
1400	606	0	600	0	593	0	591	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
1500	622	0	617	0	609	0	608	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
1600	647	0	644	0	608	0	606	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
1700	622	0	618	0	606	0	602	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
1800	651	0	645	0	620	0	617	0	320	0	320	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	230	0
1900	653	0	647	0	622	0	618	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
2000	620	0	615	0	613	0	609	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
2100	609	0	604	0	609	0	606	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
2200	591	0	584	0	597	0	593	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
2300	597	0	590	0	593	0	590	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0
2400	584	0	577	0	586	0	582	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	231	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION . . . .
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	WIND DIR2 MIN 50 B	MAX	S	WIND DIR3 MIN 150A	MAX	S	WIND DIR4 MIN 150B	MAX	S	WIND DIR5 MIN	MAX	S	WIND DIR6
100	41	0	34	0	84	0	90	0	0	0	0	0	138	0	227	106	139	0	180	91	161	0	174	150	149	0	156	136	0	0	0	0	0
200	40	0	34	0	85	0	88	0	0	0	0	0	145	0	209	93	144	0	185	91	166	0	195	148	154	0	173	121	0	0	0	0	0
300	52	0	48	0	97	0	104	0	0	0	0	0	133	0	208	92	128	0	176	85	150	0	174	124	137	0	155	115	0	0	0	0	0
400	83	0	78	0	100	0	111	0	0	0	0	0	119	0	141	106	122	0	140	86	130	0	143	111	116	0	134	101	0	0	0	0	0
500	81	0	80	0	105	0	115	0	0	0	0	0	120	0	147	93	125	0	164	84	134	0	156	118	119	0	136	105	0	0	0	0	0
600	110	0	103	0	134	0	148	0	0	0	0	0	119	0	147	105	123	0	174	80	130	0	149	112	117	0	138	105	0	0	0	0	0
700	101	0	103	0	135	0	160	0	0	0	0	0	122	0	144	102	124	0	167	80	136	0	155	122	122	0	136	104	0	0	0	0	0
800	95	0	96	0	145	0	148	0	0	0	0	0	126	0	150	90	130	0	173	87	139	0	158	122	125	0	143	105	0	0	0	0	0
900	75	0	75	0	106	0	113	0	0	0	0	0	123	0	147	105	125	0	140	89	134	0	151	106	120	0	140	103	0	0	0	0	0
1000	69	0	65	0	97	0	105	0	0	0	0	0	123	0	158	98	127	0	173	89	136	0	153	117	123	0	138	103	0	0	0	0	0
1100	66	0	61	0	104	0	108	0	0	0	0	0	127	0	160	86	129	0	174	75	144	0	159	123	130	0	165	97	0	0	0	0	0
1200	45	0	42	0	72	0	75	0	0	0	0	0	145	0	214	100	146	0	219	95	155	0	180	118	140	0	166	112	0	0	0	0	0
1300	50	0	47	0	78	0	83	0	0	0	0	0	129	0	189	103	128	0	174	84	144	0	157	125	131	0	150	110	0	0	0	0	0
1400	46	0	42	0	76	0	80	0	0	0	0	0	147	0	198	113	145	0	186	90	161	0	185	122	149	0	169	114	0	0	0	0	0
1500	23	0	19	0	44	0	44	0	0	0	0	0	171	3	247	100	157	3	231	90	173	0	222	122	161	0	213	124	0	0	0	0	0
1600	46	0	43	0	72	0	69	0	0	0	0	0	160	0	220	95	159	0	219	90	174	0	208	152	161	0	189	140	0	0	0	0	0
1700	16	0	13	0	38	0	19	0	0	0	0	0	199	0	266	95	195	3	266	91	193	0	258	132	177	0	236	112	0	0	0	0	0
1800	11	0	8	0	34	0	27	0	0	0	0	0	284	0	352	241	278	3	356	210	318	0	4	275	298	0	341	233	0	0	0	0	0
1900	32	0	29	0	81	0	56	0	0	0	0	0	308	0	343	270	288	3	321	255	303	0	311	288	281	0	287	270	0	0	0	0	0
2000	44	0	42	0	76	0	80	0	0	0	0	0	316	0	349	285	307	0	356	224	317	0	326	309	295	0	308	287	0	0	0	0	0
2100	58	0	56	0	92	0	96	0	0	0	0	0	316	0	354	271	306	0	355	221	336	0	356	309	313	0	336	294	0	0	0	0	0
2200	25	0	23	0	57	0	90	0	0	0	0	0	314	0	356	258	309	3	357	255	334	0	349	297	312	0	336	283	0	0	0	0	0
2300	44	0	44	0	65	0	69	0	0	0	0	0	298	0	335	268	294	0	351	255	311	0	326	299	289	0	302	279	0	0	0	0	0
2400	61	0	56	0	77	0	82	0	0	0	0	0	294	0	331	269	288	0	318	255	305	0	326	288	283	0	309	265	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	584	0	579	0	577	0	573	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	231	0
200	584	0	579	0	573	0	570	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	231	0
300	555	0	550	0	541	0	537	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	231	0
400	554	0	548	0	536	0	532	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	234	0
500	554	0	548	0	537	0	534	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	235	0
600	552	0	546	0	536	0	532	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	235	0
700	557	0	552	0	536	0	532	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	235	0
800	557	0	552	0	539	0	536	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	236	0
900	561	0	555	0	543	0	539	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	236	0
1000	563	0	557	0	548	0	545	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	237	0
1100	568	0	563	0	552	0	548	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	238	0
1200	572	0	566	0	555	0	552	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	241	0
1300	581	0	575	0	561	0	557	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	242	0
1400	597	0	593	0	570	0	566	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	242	0
1500	624	0	618	0	584	0	581	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	242	0
1600	640	0	636	0	599	0	595	0	320	0	320	0	-28	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	242	0
1700	642	0	638	0	615	0	613	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	242	0
1800	620	0	615	0	608	0	604	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	243	0
1900	595	0	590	0	599	0	593	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	244	0
2000	581	0	575	0	586	0	582	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	244	0
2100	566	0	561	0	559	0	555	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	244	0
2200	554	0	546	0	545	0	539	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	244	0
2300	536	0	530	0	528	0	525	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	244	0
2400	528	0	523	0	523	0	519	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	244	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	41	0	40	0	67	0	61	0	0	0	0	0	289	0	336	257	285	0	321	255	302	0	331	270	281	0	305	247	0	0	0	0	0
200	50	0	51	0	42	0	67	0	0	0	0	0	253	0	278	229	253	0	276	216	269	0	309	250	251	0	287	234	0	0	0	0	0
300	39	0	37	0	48	0	53	0	0	0	0	0	301	0	350	255	295	0	351	250	305	0	318	259	283	0	304	248	0	0	0	0	0
400	48	0	47	0	69	0	68	0	0	0	0	0	305	0	353	261	298	0	356	256	305	0	322	287	283	0	300	269	0	0	0	0	0
500	35	0	33	0	46	0	50	0	0	0	0	0	258	0	311	221	252	0	306	216	276	0	304	242	257	0	291	217	0	0	0	0	0
600	55	0	56	0	75	0	80	0	0	0	0	0	256	0	289	223	254	0	277	205	263	0	276	246	246	0	259	232	0	0	0	0	0
700	59	0	61	0	73	0	79	0	0	0	0	0	262	0	290	223	256	0	305	214	267	0	288	241	249	0	265	224	0	0	0	0	0
800	63	0	63	0	79	0	85	0	0	0	0	0	262	0	282	224	259	0	277	217	271	0	299	253	253	0	287	216	0	0	0	0	0
900	32	0	32	0	48	0	54	0	0	0	0	0	287	0	324	247	283	0	352	222	293	0	323	235	276	0	310	219	0	0	0	0	0
1000	47	0	49	0	58	0	63	0	0	0	0	0	272	0	327	197	269	0	351	216	288	0	335	249	267	0	313	221	0	0	0	0	0
1100	76	0	73	0	105	0	107	0	0	0	0	0	308	0	347	271	299	0	355	232	325	0	351	297	302	0	332	270	0	0	0	0	0
1200	58	0	57	0	84	0	86	0	0	0	0	0	304	0	346	266	294	0	356	256	320	0	342	280	298	0	320	254	0	0	0	0	0
1300	63	0	61	0	82	0	86	0	0	0	0	0	297	0	326	267	287	0	351	256	305	0	322	287	283	0	298	261	0	0	0	0	0
1400	39	0	41	0	54	0	56	0	0	0	0	0	297	0	344	240	293	0	356	227	330	0	22	276	308	0	346	259	0	0	0	0	0
1500	39	0	39	0	44	0	46	0	0	0	0	0	307	0	350	212	296	0	357	222	335	0	7	303	312	0	351	205	0	0	0	0	0
1600	31	0	30	0	38	0	29	0	0	0	0	0	279	0	319	224	268	3	322	215	316	0	355	204	296	0	352	215	0	0	0	0	0
1700	23	0	23	0	35	0	29	0	0	0	0	0	254	0	293	213	250	3	315	210	294	0	289	196	231	0	308	199	0	0	0	0	0
1800	45	0	40	0	57	0	55	0	0	0	0	0	229	0	275	189	227	0	277	180	224	0	261	184	208	0	225	165	0	0	0	0	0
1900	36	0	32	0	76	0	67	0	0	0	0	0	184	0	253	90	180	0	261	91	188	0	224	170	175	0	268	138	0	0	0	0	0
2000	50	0	43	0	134	0	102	0	0	0	0	0	181	0	250	103	181	0	230	125	194	0	213	170	180	0	193	166	0	0	0	0	0
2100	53	0	42	0	130	0	113	0	0	0	0	0	195	0	235	154	194	0	232	92	210	0	226	190	195	0	212	170	0	0	0	0	0
2200	124	0	120	0	208	0	221	0	0	0	0	0	238	0	268	207	236	0	276	181	245	0	260	230	228	0	248	200	0	0	0	0	0
2300	125	0	125	0	235	0	235	0	0	0	0	0	250	0	276	229	247	0	315	215	259	0	265	249	242	0	248	225	0	0	0	0	0
2400	79	0	76	0	131	0	140	0	0	0	0	0	285	0	330	236	276	0	351	227	303	0	337	267	282	0	306	250	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN	S
100	534	0	528	0	530	0	525	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
200	530	0	523	0	530	0	525	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
300	523	0	516	0	518	0	512	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
400	512	0	507	0	505	0	501	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
500	519	0	512	0	514	0	510	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
600	525	0	519	0	519	0	516	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
700	532	0	525	0	525	0	521	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
800	519	0	519	0	519	0	510	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
900	534	0	528	0	529	0	516	0	320	0	320	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
1000	537	0	534	0	533	0	519	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
1100	546	0	541	0	531	0	518	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
1200	563	0	559	0	536	0	532	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
1300	575	0	570	0	536	0	534	0	320	0	320	0	-37	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
1400	599	0	597	0	573	0	572	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
1500	647	0	644	0	621	0	609	0	320	0	320	0	-36	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
1600	667	0	665	0	654	0	653	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
1700	690	0	687	0	690	0	685	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
1800	696	0	690	0	683	0	678	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
1900	701	0	696	0	685	0	680	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
2000	669	0	663	0	678	0	672	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
2100	660	0	654	0	678	0	672	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	244	0
2200	683	0	678	0	687	0	680	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	245	0
2300	644	0	636	0	667	0	662	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	245	0
2400	599	0	593	0	609	0	606	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	245	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
														50 B			150A	S		150B	S			S			S	
100	72	0	68	0	124	0	121	0	0.0		0	0	349	0	15	322	343	0	40	278	7	0	16	355	345	0	11	332	0	0	0	0	0	
200	58	0	56	0	101	0	99	0	0	0	0	0	8	0	41	323	2	0	81	312	12	0	34	353	351	0	13	321	0	0	0	0	0	
300	44	0	44	0	78	0	78	0	0	0	0	0	352	0	32	328	349	0	40	312	9	0	23	352	349	0	10	332	0	0	0	0	0	
400	43	0	39	0	81	0	81	0	0.0		0	0	351	0	33	310	346	0	39	305	8	0	31	349	347	0	6	333	0	0	0	0	0	
500	42	0	42	0	99	0	60	0	0	0	0	0	326	0	348	302	317	0	355	267	353	0	14	335	333	0	354	312	0	0	0	0	0	
600	40	0	37	0	70	0	70	0	0	0	0	0	348	0	18	311	347	0	40	295	8	0	23	352	348	0	4	321	0	0	0	0	0	
700	27	0	24	0	40	0	42	0	0.0		0	0	1	3	179	272	25	3	166	271	18	0	120	271	8	0	118	280	0	0	0	0	0	
800	53	0	52	0	83	0	84	0	0	0	0	0	11	0	88	310	7	0	126	272	18	0	57	344	356	0	53	307	0	0	0	0	0	
900	41	0	40	0	62	0	52	0	0	0	0	0	13	0	158	297	16	0	136	301	22	0	82	323	359	0	51	315	0	0	0	0	0	
1000	52	0	49	0	71	0	69	0	0.0		0	0	352	0	82	306	351	0	76	271	8	0	58	300	350	0	61	295	0	0	0	0	0	
1100	72	0	69	0	99	0	96	0	0	0	0	0	346	0	50	273	346	0	77	271	3	0	41	313	348	0	25	299	0	0	0	0	0	
1200	54	0	51	0	77	0	77	0	0	0	0	0	6	0	55	296	10	0	86	292	12	0	48	325	352	0	29	306	0	0	0	0	0	
1300	85	0	85	0	111	0	110	0	0	0	0	0	17	0	54	324	15	0	83	316	21	0	41	338	1	0	31	317	0	0	0	0	0	
1400	68	0	71	0	90	0	91	0	0	0	0	0	29	0	121	339	33	0	142	316	25	0	53	309	7	0	47	332	0	0	0	0	0	
1500	75	0	74	0	106	0	103	0	0	0	0	0	29	0	73	345	25	0	86	322	25	0	48	355	5	0	51	315	0	0	0	0	0	
1600	102	0	98	0	141	0	139	0	0.0		0.0		347	0	27	287	341	0	37	272	358	0	32	344	336	0	25	319	0	0	0	0	0	
1700	58	0	61	0	79	0	87	0	0	0	0	0	54	0	85	23	63	0	95	1	65	0	88	20	38	0	84	9	0	0	0	0	0	
1800	23	0	23	0	35	0	41	0	0	0	0	0	75	3	156	6	85	3	176	1	72	0	114	34	56	0	90	21	0	0	0	0	0	
1900	55	0	55	0	83	0	83	0	0	0	0	0	21	0	76	293	22	0	85	301	27	0	52	341	7	0	31	334	0	0	0	0	0	
2000	45	0	43	0	66	0	67	0	0	0	0	0	103	0	118	91	98	0	131	81	97	0	106	85	80	0	94	66	0	0	0	0	0	
2100	52	0	50	0	82	0	83	0	0	0	0	0	121	0	131	111	125	0	142	87	112	0	123	103	96	0	107	86	0	0	0	0	0	
2200	50	0	46	0	78	0	76	0	0.0		0.0		348	0	31	300	344	0	81	272	6	0	45	342	345	0	15	320	0	0	0	0	0	
2300	53	0	52	0	85	0	83	0	0	0	0	0	353	0	32	303	353	0	74	277	3	0	24	328	343	0	12	319	0	0	0	0	0	
2400	59	0	56	0	92	0	83	0	0	0	0	0	332	0	9	287	326	0	80	271	347	0	27	307	325	0	346	293	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	MMAN	S
100	572	0	566	0	599	0	593	0	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
200	563	0	557	0	590	0	566	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
300	550	0	545	0	585	0	550	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
400	543	0	536	0	578	0	543	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
500	532	0	525	0	566	0	530	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
600	525	0	519	0	559	0	528	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
700	552	0	546	0	581	0	536	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
800	563	0	559	0	581	0	536	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
900	575	0	572	0	594	0	550	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
1000	554	0	548	0	582	0	527	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
1100	554	0	548	0	578	0	525	0	320	0	320	0	-25	0	-23	0	0.0		0.0		320	2	0	0	0	0	0	0	0	0	245	
1200	572	0	570	0	598	0	527	0	320	0	320	0	-41	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
1300	548	0	545	0	581	0	518	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
1400	582	0	581	0	645	0	539	0	320	0	320	0	-37	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
1500	537	0	534	0	579	0	514	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
1600	518	0	512	0	561	0	496	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	245	
1700	509	0	501	0	560	0	496	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	247	
1800	545	0	539	0	590	0	525	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	247	
1900	521	0	516	0	556	0	510	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	247	
2000	521	0	516	0	557	0	521	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	247	
2100	528	0	521	0	545	0	539	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	247	
2200	534	0	527	0	570	0	525	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	247	
2300	518	0	510	0	559	0	505	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	247	
2400	505	0	500	0	498	0	492	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	249	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	MIN	MAX
														50 B	S		150A	S		150B	S			S			S			S
100	57	0	55	0	89	0	89	0	0	0	0	0	349	0	25	318	342	0	81	302	2	0	19	345	341	0	359	324	0	0	0	0	0	0
200	27	0	26	0	48	0	49	0	0	0	0	0	24	3	86	322	27	3	85	355	19	0	39	355	0	0	26	329	0	0	0	0	0	0
300	23	0	23	0	35	0	36	0	0	0	0	0	24	3	71	325	30	3	85	317	29	0	54	12	9	0	38	350	0	0	0	0	0	0
400	13	0	18	0	32	0	38	0	0	0	0	0	82	3	166	18	80	3	176	1	74	0	111	50	55	0	91	28	0	0	0	0	0	0
500	34	0	31	0	53	0	52	0	0	0	0	0	26	0	47	349	26	0	85	357	17	0	35	6	358	0	21	347	0	0	0	0	0	0
600	29	0	26	0	45	0	45	0	0	0	0	0	21	3	54	331	20	3	81	321	28	0	63	3	7	0	40	333	0	0	0	0	0	0
700	19	0	18	0	27	0	29	0	0	0	0	0	30	3	86	305	48	3	126	345	27	3	73	325	7	3	72	329	0	0	0	0	0	0
800	55	0	47	0	49	0	55	0	0	0	0	0	267	0	303	217	259	0	303	210	260	0	301	214	242	0	268	197	0	0	0	0	0	0
900	34	0	30	0	41	0	43	0	0	0	0	0	331	0	29	275	329	3	39	270	345	0	37	303	323	0	16	275	0	0	0	0	0	0
1000	51	0	45	0	60	0	63	0	0	0	0	0	303	0	348	269	293	0	352	258	320	0	347	295	297	0	331	267	0	0	0	0	0	0
1100	71	0	64	0	77	0	79	0	0	0	0	0	305	0	330	277	295	0	320	220	317	0	347	298	295	0	319	282	0	0	0	0	0	0
1200	60	0	53	0	67	0	70	0	0	0	0	0	304	0	341	270	295	0	320	227	314	0	335	291	292	0	319	283	0	0	0	0	0	0
1300	48	0	42	0	60	0	52	0	0	0	0	0	296	0	337	242	281	0	348	220	308	0	345	238	285	0	330	252	0	0	0	0	0	0
1400	66	0	58	0	68	0	74	0	0	0	0	0	261	0	319	221	254	0	320	181	279	0	323	227	262	0	359	230	0	0	0	0	0	0
1500	55	0	48	0	49	0	56	0	0	0	0	0	258	0	332	208	253	0	359	209	272	0	324	233	251	0	308	197	0	0	0	0	0	0
1600	37	0	31	0	39	0	42	0	0	0	0	0	292	0	347	285	284	0	358	214	298	0	348	248	280	0	313	226	0	0	0	0	0	0
1700	39	0	33	0	41	0	44	0	0	0	0	0	270	0	326	218	269	0	344	221	292	0	339	224	273	0	324	221	0	0	0	0	0	0
1800	35	0	30	0	33	0	26	0	0	0	0	0	245	0	294	222	241	3	304	209	257	0	300	200	241	0	287	204	0	0	0	0	0	0
1900	22	0	16	0	18	0	23	0	0	0	0	0	293	0	261	222	238	3	264	209	250	0	265	234	235	0	254	213	0	0	0	0	0	0
2000	43	0	38	0	54	0	59	0	0	0	0	0	233	0	251	215	226	0	263	176	234	0	239	231	218	0	222	214	0	0	0	0	0	0
2100	57	0	49	0	83	0	90	0	0	0	0	0	231	0	252	209	225	0	264	176	233	0	239	229	218	0	224	211	0	0	0	0	0	0
2200	75	0	68	0	121	0	130	0	0	0	0	0	239	0	261	212	232	0	264	209	246	0	256	234	229	0	239	209	0	0	0	0	0	0
2300	88	0	76	0	141	0	152	0	0	0	0	0	233	0	264	202	227	0	271	181	240	0	264	216	222	0	240	209	0	0	0	0	0	0
2400	93	0	82	0	147	0	158	0	0	0	0	0	235	0	259	215	231	0	270	180	242	0	263	225	226	0	245	201	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	492	0	487	0	485	0	480	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
200	491	0	483	0	485	0	480	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
300	489	0	483	0	483	0	480	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0
400	492	0	485	0	487	0	482	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	15	0
500	492	0	485	0	489	0	485	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
600	494	0	487	0	489	0	485	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
700	510	0	507	0	500	0	499	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
800	577	0	573	0	572	0	550	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
900	534	0	528	0	532	0	510	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1000	554	0	550	0	535	0	521	0	320	0	320	0	-28	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1100	519	0	514	0	498	0	499	0	320	0	320	0	-19	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1200	519	0	514	0	494	0	491	0	320	0	320	0	-23	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1300	564	0	563	0	536	0	534	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1400	552	0	548	0	516	0	514	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1500	563	0	559	0	541	0	539	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1600	597	0	593	0	574	0	554	0	320	0	320	0	-34	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1700	586	0	582	0	562	0	552	0	320	0	320	0	-23	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1800	599	0	593	0	579	0	577	0	320	0	320	0	-7	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1900	590	0	584	0	584	0	582	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2000	559	0	552	0	564	0	561	0	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2100	563	0	557	0	566	0	564	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2200	569	0	559	0	568	0	564	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2300	570	0	564	0	575	0	572	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2400	573	0	570	0	579	0	575	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION.
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEYS

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	98	0	87	0	101	0	175	0	0	0	0	0	235	0	257	205	234	0	269	179	244	0	269	223	226	0	245	206	0	0	0	0	U
200	97	0	86	0	151	0	164	0	0	0	0	0	236	0	258	211	231	0	262	209	239	0	259	214	222	0	241	198	0	0	0	0	U
300	126	0	119	0	189	0	201	0	0	0	0	0	244	0	266	198	239	0	265	177	247	0	273	219	229	0	254	205	0	0	0	0	U
400	131	0	127	0	203	0	217	0	0	0	0	0	243	0	269	211	240	0	270	211	245	0	259	217	227	0	242	207	0	0	0	0	U
500	150	0	144	0	214	0	235	0	0	0	0	0	244	0	274	214	238	0	275	181	245	0	264	222	228	0	245	208	0	0	0	0	U
600	136	0	133	0	196	0	207	0	0	0	0	0	246	0	276	210	242	0	265	180	246	0	273	219	228	0	246	191	0	0	0	0	U
700	141	0	136	0	203	0	218	0	0	0	0	0	246	0	279	205	243	0	270	193	252	0	269	235	235	0	259	206	0	0	0	0	U
800	113	0	105	0	168	0	170	0	0	0	0	0	251	0	286	222	244	0	305	209	256	0	285	226	240	0	269	212	0	0	0	0	U
900	69	0	65	0	105	0	113	0	0	0	0	0	260	0	291	210	252	0	320	181	262	0	292	219	245	0	330	207	0	0	0	0	U
1000	87	0	81	0	96	0	109	0	0	0	0	0	260	0	293	226	253	0	299	214	277	0	302	251	260	0	298	234	0	0	0	0	U
1100	84	0	74	0	105	0	110	0	0	0	0	0	306	0	348	269	292	0	348	254	320	0	342	302	298	0	328	271	0	0	0	0	U
1200	79	0	73	0	103	0	109	0	0	0	0	0	330	0	10	281	326	0	34	271	336	0	15	274	316	0	346	270	0	0	0	0	U
1300	58	0	50	0	65	0	69	0	0	0	0	0	309	0	340	230	298	0	355	233	330	0	11	298	310	0	341	275	0	0	0	0	U
1400	44	0	39	0	45	0	98	0	0	0	0	0	308	0	359	235	300	0	359	197	333	0	36	280	309	0	346	218	0	0	0	0	U
1500	46	0	38	0	42	0	43	0	0	0	0	0	336	0	17	290	330	0	75	270	12	0	76	333	349	0	38	309	0	0	0	0	U
1600	48	0	44	0	97	0	72	0	0	0	0	0	22	0	113	293	30	0	140	279	24	0	85	307	6	0	65	306	0	0	0	0	U
1700	74	0	67	0	85	0	85	0	0	0	0	0	34	0	78	348	33	0	95	350	38	0	85	5	19	0	56	346	0	0	0	0	U
1800	60	0	54	0	67	0	70	0	0	0	0	0	34	0	69	10	31	0	85	355	38	0	69	3	19	0	52	348	0	0	0	0	U
1900	60	0	61	0	80	0	94	0	0	0	0	0	65	0	87	42	73	0	86	3	60	0	85	40	43	0	65	28	0	0	0	0	U
2000	46	0	43	0	68	0	83	0	0	0	0	0	78	0	103	49	82	0	127	30	68	0	79	55	51	0	61	42	0	0	0	0	U
2100	55	0	49	0	85	0	86	0	0	0	0	0	102	0	117	87	101	0	129	85	87	0	92	79	70	0	76	62	0	0	0	0	U
2200	69	0	62	0	94	0	97	0	0	0	0	0	118	0	122	114	122	0	125	119	105	0	109	102	89	0	94	86	0	0	0	0	U
2300	83	0	73	0	115	0	117	0	0	0	0	0	115	0	119	101	119	0	131	86	108	0	112	104	92	0	97	87	0	0	0	0	U
2400	91	0	81	0	134	0	136	0	0	0	0	0	115	0	121	109	120	0	132	86	111	0	112	110	95	0	96	94	0	0	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	572	0	566	0	577	0	573	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
200	566	0	559	0	564	0	563	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
300	568	0	563	0	564	0	561	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
400	564	0	559	0	561	0	555	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
500	564	0	559	0	559	0	555	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
600	563	0	557	0	562	0	548	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
700	557	0	550	0	546	0	543	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
800	561	0	555	0	543	0	539	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
900	573	0	568	0	552	0	550	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1000	575	0	570	0	559	0	557	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1100	591	0	586	0	562	0	550	0	320	0	320	0	-32	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1200	584	0	579	0	539	0	537	0	320	0	320	0	-37	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1300	595	0	591	0	537	0	536	0	320	0	320	0	-50	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1400	590	0	586	0	548	0	546	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1500	622	0	618	0	582	0	581	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1600	649	0	649	0	599	0	595	0	320	0	320	0	-41	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1700	617	0	613	0	588	0	584	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1800	618	0	615	0	590	0	584	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
1900	615	0	608	0	579	0	575	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2000	568	0	561	0	568	0	564	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2100	561	0	552	0	572	0	568	0	320	0	320	0	23	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2200	555	0	548	0	573	0	570	0	320	0	320	0	28	0	30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2300	552	0	545	0	579	0	575	0	320	0	320	0	37	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	
2400	536	0	528	0	579	0	575	0	320	0	320	0	52	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	U	U	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	94	0	85	0	140	0	144	0	0	0	0	0	120	0	122	117	122	0	129	119	116	0	118	112	101	0	104	99	0	0	0	0	
200	72	0	75	0	135	0	140	0	0	0	0	0	131	0	145	120	139	0	165	124	128	0	134	125	113	0	118	110	0	0	0	0	
300	68	0	68	0	132	0	138	0	0	0	0	0	129	1	154	115	133	0	170	86	140	0	143	135	125	0	128	121	0	0	0	0	
400	69	0	59	0	153	0	160	0	0	0	0	0	132	0	151	111	135	0	174	91	149	0	146	141	129	0	132	124	0	0	0	0	
500	71	0	64	0	174	0	179	0	0	0	0	0	136	0	166	115	136	0	175	84	150	0	152	147	136	0	139	133	0	0	0	0	
600	72	0	64	0	171	0	179	0	0	0	0	0	131	0	158	99	136	0	173	91	156	0	160	154	145	0	149	138	0	0	0	0	
700	64	0	61	0	136	0	143	0	0	0	0	0	127	0	162	98	130	0	170	74	165	0	174	140	141	0	155	127	0	0	0	0	
800	74	0	73	0	133	0	127	0	0	0	0	0	125	0	152	95	125	0	174	78	147	0	165	131	133	0	150	119	0	0	0	0	
900	67	0	63	0	136	0	123	0	0	0	0	0	142	0	252	93	143	0	259	90	157	0	199	129	142	0	165	115	0	0	0	0	
1000	70	0	63	0	130	0	111	0	0	0	0	0	165	0	258	104	162	0	230	90	166	0	185	141	151	0	174	127	0	0	0	0	
1100	53	0	42	0	89	0	82	0	0	0	0	0	170	0	240	98	173	0	254	91	176	0	212	90	163	0	220	116	0	0	0	0	
1200	37	0	29	0	63	0	61	0	0	0	0	0	162	0	268	93	163	3	269	90	169	0	257	95	156	0	202	97	0	0	0	0	
1300	41	0	37	0	81	0	59	0	0	0	0	0	186	0	257	91	183	0	259	91	193	0	263	90	181	0	248	97	0	0	0	0	
1400	38	0	32	0	92	0	93	0	0	0	0	0	272	0	353	109	262	0	355	119	274	0	355	126	283	0	347	182	0	0	0	0	
1500	31	0	25	0	36	0	39	0	0	0	0	0	326	0	92	270	326	3	95	270	331	0	23	281	307	0	358	236	0	0	0	0	
1600	20	0	13	0	18	0	21	0	0	0	0	0	235	0	359	181	200	3	269	136	245	3	353	182	194	0	263	121	0	0	0	0	
1700	32	0	29	0	34	0	36	0	0	0	0	0	178	0	267	91	174	3	265	90	163	0	263	92	150	0	263	95	0	0	0	0	
1800	39	0	34	0	87	0	60	0	0	0	0	0	150	0	269	94	149	0	212	90	164	0	228	121	153	0	211	113	0	0	0	0	
1900	55	0	52	0	88	0	91	0	0	0	0	0	137	0	207	107	137	0	185	91	149	0	164	133	136	0	157	123	0	0	0	0	
2000	78	0	76	0	144	0	151	0	0	0	0	0	137	0	179	102	135	0	180	91	152	0	169	137	140	0	152	126	0	0	0	0	
2100	70	0	64	0	146	0	152	0	0	0	0	0	135	0	185	102	134	0	174	86	151	0	173	136	139	0	152	123	0	0	0	0	
2200	84	0	78	0	109	0	117	0	0	0	0	0	141	0	182	117	144	0	214	90	156	0	175	140	144	0	157	125	0	0	0	0	
2300	92	0	82	0	169	0	173	0	0	0	0	0	149	0	205	104	150	0	224	93	166	0	185	149	153	0	172	138	0	0	0	0	
2400	101	0	90	0	180	0	182	0	0	0	0	0	154	0	194	119	154	0	209	95	169	0	185	150	156	0	168	141	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	HISC 1	S	HISC 2	S	HISC 3	S	HISC 4	S	HISC 5	S	HISC 6	S	HISC 7	S	MAIN	S
100	525	0	518	0	597	0	554	0	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
200	521	0	514	0	598	0	545	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
300	509	0	501	0	537	0	534	0	320	0	320	0	36	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
400	494	0	487	0	536	0	532	0	320	0	320	0	48	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
500	483	0	476	0	536	0	532	0	320	0	320	0	57	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
600	500	0	494	0	528	0	525	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
700	527	0	521	0	521	0	518	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
800	572	0	568	0	598	0	596	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
900	629	0	626	0	597	0	593	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
1000	671	0	665	0	631	0	627	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
1100	705	0	701	0	663	0	660	0	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
1200	743	0	739	0	690	0	687	0	320	0	320	0	-45	0	-46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
1300	770	0	768	0	736	0	714	0	320	0	320	0	-43	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
1400	782	0	780	0	738	0	726	0	320	0	320	0	-43	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
1500	798	0	797	0	739	0	739	0	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
1600	816	0	815	0	773	0	771	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
1700	813	0	809	0	784	0	761	0	320	0	320	0	-37	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
1800	784	0	779	0	748	0	744	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
1900	757	0	752	0	734	0	728	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
2000	721	0	714	0	703	0	698	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
2100	692	0	685	0	678	0	672	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
2200	671	0	665	0	658	0	654	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
2300	665	0	660	0	651	0	649	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	
2400	653	0	645	0	640	0	636	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	86	0	82	0	178	0	171	0	0	0	0	0	151	0	227	90	150	0	229	90	171	0	192	152	158	0	193	136	0	0	0	0
200	77	0	66	0	148	0	126	0	0	0	0	0	174	0	247	116	173	0	226	104	185	0	212	165	171	0	195	148	0	0	0	0
300	71	0	60	0	143	0	123	0	0	0	0	0	169	0	221	99	167	0	227	119	182	0	200	165	168	0	202	147	0	0	0	0
400	63	0	54	0	149	0	126	0	0	0	0	0	173	0	262	113	172	0	219	119	182	0	200	150	169	0	195	152	0	0	0	0
500	74	0	64	0	181	0	128	0	0	0	0	0	171	0	253	105	170	0	260	92	186	0	211	166	173	0	214	149	0	0	0	0
600	62	0	55	0	136	0	119	0	0	0	0	0	169	0	244	109	168	0	222	90	185	0	203	167	170	0	186	149	0	0	0	0
700	59	0	49	0	132	0	102	0	0	0	0	0	189	0	261	101	196	0	268	124	191	0	213	157	178	0	256	151	0	0	0	0
800	62	0	49	0	136	0	98	0	0	0	0	0	192	0	258	103	186	0	260	119	195	0	231	150	183	0	269	143	0	0	0	0
900	90	0	72	0	137	0	118	0	0	0	0	0	220	0	268	167	215	0	259	140	218	0	262	182	205	0	246	164	0	0	0	0
1000	114	0	100	0	185	0	159	0	0	0	0	0	239	0	271	204	236	0	275	180	235	0	266	202	217	0	247	185	0	0	0	0
1100	120	0	110	0	184	0	200	0	0	0	0	0	239	0	279	188	233	0	269	207	243	0	286	216	226	0	264	201	0	0	0	0
1200	80	0	70	0	108	0	107	0	0	0	0	0	240	0	290	189	233	0	269	165	228	0	289	190	212	0	268	176	0	0	0	0
1300	100	0	87	0	146	0	148	0	0	0	0	0	233	0	269	154	229	0	269	164	230	0	275	195	212	0	239	175	0	0	0	0
1400	117	0	110	0	168	0	176	0	0	0	0	0	241	0	282	196	238	0	275	180	236	0	264	204	219	0	251	185	0	0	0	0
1500	60	0	47	0	92	0	91	0	0	0	0	0	227	0	276	185	225	0	269	168	222	0	256	199	207	0	233	182	0	0	0	0
1600	56	0	48	0	81	0	83	0	0	0	0	0	223	0	269	96	218	0	269	123	223	0	262	149	208	0	248	194	0	0	0	0
1700	82	0	69	0	110	0	119	0	0	0	0	0	245	0	282	209	242	0	302	185	238	0	258	182	223	0	248	181	0	0	0	0
1800	64	0	54	0	101	0	108	0	0	0	0	0	234	0	272	193	231	0	270	185	235	0	253	209	219	0	246	190	0	0	0	0
1900	90	0	75	0	143	0	141	0	0	0	0	0	229	0	262	96	225	0	264	175	226	0	273	196	209	0	244	174	0	0	0	0
2000	50	0	38	0	93	0	81	0	0	0	0	0	210	0	262	122	208	0	269	133	210	0	255	189	194	0	226	173	0	0	0	0
2100	63	0	52	0	132	0	111	0	0	0	0	0	185	0	228	138	179	0	230	119	192	0	214	177	178	0	212	158	0	0	0	0
2200	51	0	44	0	92	0	86	0	0	0	0	0	148	0	221	96	149	0	226	95	173	0	208	127	161	0	190	118	0	0	0	0
2300	50	0	41	0	98	0	86	0	0	0	0	0	186	0	235	141	183	0	265	136	194	0	219	143	179	0	202	127	0	0	0	0
2400	43	0	36	2	89	0	87	2	0	0	0	0	136	0	260	98	130	2	179	85	168	0	208	123	155	2	189	122	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	631	0	626	0	632	0	617	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
200	620	0	615	0	631	0	606	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16
300	608	0	602	0	599	0	597	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
400	609	0	602	0	600	0	597	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
500	606	0	599	0	597	0	593	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
600	595	0	588	0	588	0	584	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
700	611	0	606	0	597	0	593	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
800	667	0	662	0	642	0	636	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
900	714	0	708	0	690	0	687	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1000	717	0	712	0	694	0	689	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1100	660	0	653	0	699	0	651	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1200	739	0	734	0	710	0	707	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1300	743	0	737	0	712	0	707	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1400	734	0	726	0	708	0	705	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1500	710	0	705	0	694	0	689	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1600	802	0	798	0	787	0	753	0	320	0	320	0	-28	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1700	789	0	784	0	752	0	748	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1800	771	0	766	0	748	0	743	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
1900	676	0	671	0	660	0	656	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2000	707	0	701	0	696	0	690	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2100	689	0	681	0	689	0	685	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2200	683	0	676	0	683	0	680	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	
2300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	
2400	676	0	669	2	676	2	671	2	320	0	320	0	10	0	10	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	

STATUS(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, S =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	66	0	50	0	133	0	115	0	0	0	0	0	212	0	267	155	208	0	266	124	207	0	225	178	193	0	224	156	0	0	0	0	0
200	98	0	81	0	154	0	150	0	0	0	0	0	227	0	324	182	221	0	263	168	224	0	251	201	209	0	233	196	0	0	0	0	0
300	82	0	70	0	133	0	125	0	0	0	0	0	231	0	267	183	224	0	264	132	228	0	257	203	211	0	231	183	0	0	0	0	0
400	125	0	115	0	203	0	215	0	0	0	0	0	239	0	276	208	234	0	275	180	241	0	257	225	225	0	241	209	0	0	0	0	0
500	107	0	99	0	169	0	180	0	0	0	0	0	238	0	293	199	238	0	299	185	241	0	266	211	224	0	244	194	0	0	0	0	0
600	58	0	42	0	87	0	88	0	0	0	0	0	220	0	253	189	217	0	264	165	224	0	251	201	210	0	235	187	0	0	0	0	0
700	84	0	55	0	93	0	99	0	0	0	0	0	234	0	271	196	230	0	265	176	233	0	258	203	217	0	240	189	0	0	0	0	0
800	83	0	77	0	109	0	118	0	0	0	0	0	245	0	284	208	243	0	275	212	255	0	273	240	238	0	250	224	0	0	0	0	0
900	48	0	43	0	60	0	65	0	0	0	0	0	304	0	334	279	292	0	320	220	298	0	319	272	277	0	294	256	0	0	0	0	0
1000	36	0	27	0	34	0	39	0	0	0	0	0	265	0	323	218	256	3	349	209	281	0	343	221	261	0	302	208	0	0	0	0	0
1100	26	0	19	0	32	0	37	0	0	0	0	0	292	0	318	262	284	3	344	230	263	0	308	212	244	0	287	196	0	0	0	0	0
1200	47	0	39	0	40	0	45	0	0	0	0	0	267	0	302	225	262	0	304	213	272	0	325	230	252	0	298	197	0	0	0	0	0
1300	32	0	27	0	30	0	33	0	0	0	0	0	302	0	354	233	306	3	359	224	316	0	358	243	289	0	327	229	0	0	0	0	0
1400	41	0	35	0	45	0	50	0	0	0	0	0	303	0	340	230	297	0	353	219	307	0	337	284	286	0	325	263	0	0	0	0	0
1500	39	0	32	0	47	0	49	0	0	0	0	0	301	0	350	232	294	0	359	230	313	0	1	285	289	0	342	256	0	0	0	0	0
1600	43	0	38	0	56	0	59	0	0	0	0	0	341	0	18	287	391	0	82	299	339	0	7	302	318	0	8	279	0	0	0	0	0
1700	25	0	21	0	36	0	29	0	0	0	0	0	359	3	104	283	8	3	91	299	6	3	89	291	346	3	116	287	0	0	0	0	0
1800	29	0	25	0	36	0	35	0	0	0	0	0	59	3	86	32	70	3	95	29	62	3	82	28	43	0	61	12	0	0	0	0	0
1900	29	0	23	0	33	0	35	0	0	0	0	0	104	3	133	79	100	3	130	79	105	0	123	91	88	0	104	71	0	0	0	0	0
2000	42	0	36	0	81	0	86	0	0	0	0	0	142	0	198	109	142	0	214	91	158	0	176	145	144	0	160	129	0	0	0	0	0
2100	51	0	43	0	89	0	92	0	0	0	0	0	129	0	152	117	131	0	169	119	140	0	151	133	126	0	139	119	0	0	0	0	0
2200	52	0	43	0	135	0	131	0	0	0	0	0	141	0	173	115	137	0	181	90	164	0	179	157	149	0	159	143	0	0	0	0	0
2300	51	0	42	0	126	0	122	0	0	0	0	0	142	0	175	100	141	0	185	90	166	0	173	157	153	0	162	145	0	0	0	0	0
2400	50	0	43	0	123	0	118	0	0	0	0	0	154	0	197	113	151	0	185	95	173	0	184	166	159	0	169	152	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 130A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 160A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	681	0	676	0	681	0	676	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
200	703	0	696	0	694	0	690	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
300	701	0	694	0	690	0	687	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
400	667	0	662	0	660	0	656	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
500	660	0	654	0	647	0	642	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
600	667	0	662	0	681	0	647	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
700	663	0	658	0	642	0	638	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
800	672	0	667	0	646	0	653	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
900	656	0	651	0	639	0	626	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
1000	667	0	663	0	681	0	649	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
1100	705	0	701	0	692	0	689	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
1200	752	0	50	0	741	0	737	0	320	0	320	0	3	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
1300	791	0	788	0	748	0	748	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
1400	822	0	820	0	762	0	762	0	320	0	320	0	-41	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
1500	820	0	818	0	746	0	769	0	320	0	320	0	-39	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
1600	833	0	833	0	775	0	771	0	320	0	320	0	-43	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
1700	834	0	831	0	788	0	789	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
1800	816	0	813	0	777	0	771	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
1900	802	0	797	0	733	0	768	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
2000	762	0	755	0	744	0	741	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
2100	734	0	726	0	739	0	734	0	320	0	320	0	19	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
2200	710	0	703	0	746	0	741	0	320	0	320	0	37	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
2300	698	0	690	0	716	0	712	0	320	0	320	0	21	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10
2400	676	0	669	0	724	0	708	0	320	0	320	0	37	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	10

STATUS CODE(S) DEFINITIONS = 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION..
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	64	0	45	0	135	0	117	0	0.0		0	0	199	0	254	132	197	0	258	90	206	0	238	192	192	0	211	175	0	0	U
200	79	0	58	0	139	0	156	0	0	0	0	0	212	0	232	180	207	0	230	168	223	0	236	211	209	0	220	199	0	0	U
300	83	0	62	0	156	0	154	0	0	0	0	0	216	0	241	189	210	0	264	174	224	0	243	206	210	0	224	190	0	0	U
400	97	0	80	0	160	0	167	0	0.0		0	0	226	0	257	195	222	0	264	172	231	0	248	213	214	0	231	194	0	0	U
500	60	0	42	0	136	0	135	0	0	0	0	0	196	0	232	159	194	0	257	120	222	0	234	211	208	0	220	196	0	0	U
600	69	0	46	0	140	0	150	0	0	0	0	0	196	0	232	162	196	0	256	135	228	0	235	219	213	0	220	203	0	0	U
700	59	0	45	0	132	0	124	0	0.0		0	0	191	0	228	128	189	0	231	135	221	0	225	214	206	0	215	198	0	0	U
800	44	0	31	0	103	0	87	0	0	0	0	0	177	0	241	133	173	0	266	94	202	0	220	184	188	0	215	171	0	0	U
900	47	0	33	0	86	0	75	0	0.0		0	0	193	0	236	109	192	0	266	119	195	0	216	155	180	0	212	129	0	0	U
1000	53	0	38	0	99	0	81	0	0.0		0	0	196	0	266	96	192	0	265	95	195	0	262	141	179	0	235	106	0	0	U
1100	75	0	59	0	139	0	99	0	0	0	0	0	197	0	264	119	192	0	264	90	192	0	237	144	179	0	222	137	0	0	U
1200	90	0	84	0	92	0	101	0	0	0	0	0	246	0	265	223	241	0	275	210	249	0	260	232	233	0	242	220	0	0	U
1300	53	0	45	0	86	0	71	0	0	0	0	0	288	0	340	246	282	0	320	234	293	0	312	254	272	0	289	224	0	0	U
1400	55	0	52	0	88	0	60	0	0	0	0	0	311	0	351	262	304	0	354	247	320	0	359	293	297	0	341	281	0	0	U
1500	54	0	46	0	86	0	59	0	0	0	0	0	339	0	6	292	336	0	80	303	340	0	5	308	319	0	341	294	0	0	U
1600	23	0	19	0	33	0	26	0	0.0		0	0	349	3	140	276	358	3	133	272	4	3	61	312	346	3	40	279	0	0	U
1700	30	0	24	0	40	0	42	0	0	0	0	0	172	0	267	114	169	3	247	91	164	0	213	116	152	0	192	100	0	0	U
1800	49	0	47	0	82	0	85	0	0	0	0	0	155	0	223	92	156	0	220	93	164	0	203	129	151	0	192	109	0	0	U
1900	39	0	35	0	76	0	80	0	0.0		0.0		141	0	207	95	142	0	185	91	158	0	175	137	145	0	167	128	0	0	U
2000	45	0	37	0	103	0	108	0	0	0	0	0	132	0	155	106	135	0	174	85	154	0	159	143	142	0	152	131	0	0	U
2100	53	0	45	0	131	0	135	0	0	0	0	0	150	0	192	107	152	0	214	120	169	0	176	163	156	0	163	149	0	0	U
2200	53	0	47	0	139	0	116	0	0.0		0.0		172	0	215	111	167	0	253	119	185	0	194	172	170	0	184	164	0	0	U
2300	45	0	40	0	139	0	116	0	0	0	0	0	172	0	241	128	167	0	254	90	189	0	195	180	174	0	179	168	0	0	U
2400	48	0	36	0	135	0	113	0	0	0	0	0	185	0	235	135	181	0	264	119	202	0	218	184	186	0	201	175	0	0	U

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	687	0	681	0	708	0	705	0	320	0	320	0	30	0	30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
200	680	0	674	0	699	0	696	0	320	0	320	0	39	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
300	701	0	696	0	705	0	701	0	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
400	726	0	721	0	717	0	712	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
500	676	0	669	0	705	0	701	0	320	0	320	0	50	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
600	665	0	658	0	719	0	716	0	320	0	320	0	79	0	79	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
700	689	0	681	0	721	0	717	0	320	0	320	0	61	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
800	721	0	716	0	701	0	698	0	320	0	320	0	7	0	5	0	0.0		0.0		320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
900	770	0	766	0	717	0	714	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
1000	811	0	806	0	744	0	741	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
1100	816	0	811	0	743	0	750	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
1200	809	0	809	0	770	0	768	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
1300	833	0	831	0	796	0	769	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
1400	851	0	847	0	788	0	786	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
1500	845	0	840	0	771	0	770	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
1600	865	0	860	0	793	0	789	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
1700	963	0	860	0	793	0	789	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
1800	854	0	849	0	793	0	789	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
1900	820	0	815	0	779	0	775	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
2000	789	0	780	0	770	0	766	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
2100	762	0	757	0	759	0	755	0	320	0	320	0	27	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
2200	750	0	743	0	750	0	744	0	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
2300	732	0	725	0	734	0	741	0	320	0	320	0	36	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U
2400	717	0	712	0	739	0	734	0	320	0	320	0	41	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	U

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	MIN	MAX
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S			50 B	S			150A	S		150B	S			S			S		
100	47	0	36	0	138	0	122	0	-	0	0	0	191	0	226	148	187	0	260	119	205	0	216	197	191	0	198	179	0	0	0
200	49	0	44	0	137	0	119	0	0	0	0	0	182	0	219	135	174	0	230	129	203	0	217	197	188	0	199	178	0	0	0
300	51	0	46	0	134	0	114	0	0	0	0	0	166	0	238	121	162	0	230	95	184	0	205	172	169	0	185	158	0	0	0
400	60	0	54	0	136	0	128	0	0	0	0	0	158	0	191	129	154	0	186	90	187	0	194	179	172	0	178	165	0	0	0
500	66	0	58	0	149	0	138	0	0	0	0	0	148	0	181	112	148	0	185	119	174	0	189	167	161	0	169	156	0	0	0
600	59	0	51	0	146	0	126	0	0	0	0	0	160	0	217	120	160	0	264	95	184	0	198	168	170	0	183	152	0	0	0
700	49	0	38	0	131	0	99	0	0	0	0	0	175	0	234	103	174	0	230	94	195	0	211	175	180	0	196	158	0	0	0
800	40	0	29	0	92	0	71	0	0	0	0	0	179	0	263	98	179	3	255	91	185	0	216	144	171	0	209	141	0	0	0
900	40	0	30	0	72	0	63	0	0	0	0	0	193	0	255	118	189	3	260	91	187	0	231	129	172	0	257	98	0	0	0
1000	51	0	37	0	78	0	69	0	0	0	0	0	196	0	269	92	201	0	269	95	192	0	261	129	175	0	221	109	0	0	0
1100	54	0	42	0	87	0	78	0	0	0	0	0	213	0	265	145	203	0	265	90	201	0	250	156	186	0	263	93	0	0	0
1200	56	0	49	0	92	0	68	0	0	0	0	0	259	0	290	213	253	0	304	209	260	0	303	221	240	0	273	199	0	0	0
1300	40	0	32	0	96	0	51	0	0	0	0	0	287	0	336	241	278	0	345	182	294	0	325	246	274	0	313	211	0	0	0
1400	35	0	27	0	95	0	49	0	0	0	0	0	297	0	358	253	289	3	356	232	310	0	337	271	289	0	319	254	0	0	0
1500	48	0	42	0	87	0	61	0	0	0	0	0	307	0	357	226	300	0	354	216	323	0	18	270	299	0	358	245	0	0	0
1600	38	0	32	0	87	0	90	0	0	0	0	0	312	0	356	239	304	0	355	219	316	0	357	208	294	0	334	203	0	0	0
1700	46	0	40	0	66	0	65	0	0	0	0	0	262	0	336	184	258	0	348	209	248	0	314	182	233	0	303	183	0	0	0
1800	53	0	45	0	64	0	65	0	0	0	0	0	240	0	271	195	236	0	264	175	231	0	281	189	213	0	258	170	0	0	0
1900	32	0	21	0	79	0	64	0	0	0	0	0	213	0	260	123	207	3	269	132	209	0	228	174	187	0	211	163	0	0	0
2000	41	0	35	0	96	0	82	0	0	0	0	0	169	0	217	107	172	0	225	90	184	0	197	175	169	0	176	162	0	0	0
2100	40	0	31	0	119	0	91	0	0	0	0	0	184	0	222	142	179	0	230	125	196	0	201	190	180	0	186	174	0	0	0
2200	51	0	44	0	132	0	101	0	0	0	0	0	161	0	201	134	161	0	185	128	191	0	197	186	175	0	183	170	0	0	0
2300	47	0	40	0	140	0	113	0	0	0	0	0	180	0	226	143	169	0	231	93	199	0	201	195	184	0	189	178	0	0	0
2400	52	0	39	0	151	0	132	0	0	0	0	0	185	0	225	147	180	0	265	119	203	0	214	197	188	0	197	183	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	716	0	708	0	737	0	732	0	320	0	320	0	43	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
200	701	0	696	0	730	0	726	0	320	0	320	0	48	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
300	683	0	676	0	710	0	707	0	320	0	320	0	45	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
400	674	0	669	0	710	0	707	0	320	0	320	0	52	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
500	669	0	663	0	689	0	685	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
600	672	0	667	0	683	0	680	0	320	0	320	0	27	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
700	696	0	690	0	683	0	680	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
800	741	0	735	0	699	0	696	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
900	784	0	780	0	734	0	730	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1000	820	0	816	0	761	0	757	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1100	836	0	831	0	775	0	771	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1200	811	0	807	0	771	0	770	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1300	824	0	824	0	764	0	764	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1400	836	0	833	0	775	0	773	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1500	851	0	849	0	789	0	782	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1600	867	0	863	0	800	0	798	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1700	856	0	852	0	800	0	797	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1800	949	0	843	0	802	0	798	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1900	839	0	833	0	798	0	793	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2000	809	0	798	0	791	0	786	0	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2100	775	0	768	0	786	0	782	0	320	0	320	0	37	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2200	748	0	741	0	786	0	762	0	320	0	320	0	48	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2300	735	0	728	0	764	0	761	0	320	0	320	0	54	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2400	721	0	716	0	787	0	752	0	320	0	320	0	57	0	57	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 A	MAX 50 A	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	55	0	39	0	142	0	131	0	0	0	0	0	193	0	237	148	193	0	256	131	208	0	220	197	193	0	208	185	0	0	0	0	
200	54	0	41	0	138	0	120	0	0	0	0	0	180	0	215	128	175	0	230	120	204	0	214	190	188	0	197	175	0	0	0	0	
300	57	0	49	0	132	0	110	0	0	0	0	0	175	0	211	139	172	0	230	129	201	0	222	186	185	0	200	167	0	0	0	0	
400	60	0	52	0	137	0	101	0	0	0	0	0	167	0	221	138	163	0	215	124	196	0	216	183	182	0	195	170	0	0	0	0	
500	64	0	57	0	101	0	128	0	0	0	0	0	157	0	198	118	154	0	213	94	188	0	207	166	173	0	192	152	0	0	0	0	
600	59	0	52	0	139	0	166	0	0	0	0	0	131	0	154	118	133	0	174	95	169	0	172	166	156	0	158	152	0	0	0	0	
700	45	0	36	0	149	0	133	0	0	0	0	0	132	0	172	106	131	0	177	83	175	0	182	170	161	0	167	153	0	0	0	0	
800	43	0	33	0	94	0	86	0	0	0	0	0	154	0	243	103	155	0	230	90	178	0	212	149	166	0	196	140	0	0	0	0	
900	41	0	29	0	99	0	52	0	0	0	0	0	204	0	249	145	203	3	261	135	198	0	228	136	181	0	234	140	0	0	0	0	
1000	30	0	22	0	78	0	37	0	0	0	0	0	258	3	353	181	268	3	354	180	202	0	269	128	191	0	264	101	0	0	0	0	
1100	42	0	34	0	96	0	40	0	0	0	0	0	267	0	328	208	259	0	354	208	251	0	326	183	233	0	324	182	0	0	0	0	
1200	60	0	51	0	71	0	74	0	0	0	0	0	256	0	288	195	250	0	304	180	251	0	287	195	234	0	275	181	0	0	0	0	
1300	51	0	44	0	93	0	57	0	0	0	0	0	280	0	333	224	269	0	315	214	272	0	316	219	253	0	291	207	0	0	0	0	
1400	29	0	22	0	39	0	32	0	0	0	0	0	303	3	351	245	295	3	357	182	299	0	356	196	279	0	341	191	0	0	0	0	
1500	37	0	31	0	88	0	58	0	0	0	0	0	209	0	267	109	208	0	269	90	193	0	264	128	184	0	267	111	0	0	0	0	
1600	62	0	52	0	93	0	80	0	0	0	0	0	228	0	269	95	221	0	269	94	219	0	264	141	202	0	249	152	0	0	0	0	
1700	68	0	55	0	132	0	106	0	0	0	0	0	191	0	269	125	189	0	264	91	196	0	245	152	181	0	212	153	0	0	0	0	
1800	37	0	30	0	83	0	75	0	0	0	0	0	178	0	265	99	171	3	252	90	189	0	219	140	168	0	211	129	0	0	0	0	
1900	97	0	40	0	86	0	91	0	0	0	0	0	152	0	201	100	148	0	219	95	164	0	177	141	151	0	164	131	0	0	0	0	
2000	46	0	41	0	108	0	113	0	0	0	0	0	140	0	186	91	141	0	181	91	163	0	174	155	150	0	158	142	0	0	0	0	
2100	42	0	42	0	136	0	133	0	0	0	0	0	137	0	169	97	138	0	175	85	165	0	170	159	152	0	157	146	0	0	0	0	
2200	49	0	45	0	129	0	126	0	0	0	0	0	154	0	193	125	151	0	219	91	173	0	180	163	159	0	166	151	0	0	0	0	
2300	55	0	49	0	143	0	131	0	0	0	0	0	163	0	220	133	161	0	215	125	177	0	184	167	163	0	170	155	0	0	0	0	
2400	39	0	35	0	132	0	110	0	0	0	0	0	168	0	215	129	167	0	230	119	187	0	200	177	171	0	179	164	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	717	0	712	0	746	0	741	0	320	0	320	0	50	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
200	705	0	699	0	734	0	730	0	320	0	320	0	48	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
300	692	0	685	0	730	0	725	0	320	0	320	0	55	0	57	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
400	680	0	672	0	723	0	717	0	320	0	320	0	63	0	64	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
500	658	0	653	0	717	0	712	0	320	0	320	0	77	0	79	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
600	636	0	629	0	699	0	694	0	320	0	320	0	81	0	81	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
700	676	0	671	0	714	0	708	0	320	0	320	0	46	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
800	746	0	741	0	734	0	710	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
900	784	0	780	0	752	0	746	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
1000	827	0	824	0	786	0	782	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
1100	838	0	833	0	807	0	804	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
1200	825	0	820	0	807	0	804	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	17
1300	838	0	834	0	815	0	811	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
1400	883	0	883	0	831	0	831	0	320	0	320	0	-41	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
1500	860	0	856	0	820	0	815	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
1600	870	0	865	0	818	0	815	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
1700	883	0	878	0	835	0	820	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
1800	876	0	870	0	831	0	825	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
1900	849	0	843	0	809	0	804	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
2000	811	0	806	0	795	0	789	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
2100	777	0	768	0	791	0	786	0	320	0	320	0	39	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
2200	757	0	750	0	775	0	770	0	320	0	320	0	45	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
2300	748	0	741	0	761	0	757	0	320	0	320	0	37	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16
2400	731	0	714	0	746	0	743	0	320	0	320	0	46	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	16

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	47	0	40	0	130	0	99	0	0	0	0	0	169	0	224	120	164	0	254	119	195	0	216	172	181	0	200	159	0	0	0	0	0	0
200	49	0	42	0	128	0	111	0	0	0	0	0	156	0	223	108	154	0	219	119	183	0	201	175	170	0	197	162	0	0	0	0	0	0
300	54	0	50	0	145	0	126	0	0	0	0	0	153	0	200	100	151	0	207	90	183	0	192	175	168	0	189	159	0	0	0	0	0	0
400	59	0	46	0	160	0	130	0	0	0	0	0	181	0	239	115	177	0	254	90	196	0	211	181	181	0	195	166	0	0	0	0	0	0
500	56	0	41	0	143	0	130	0	0	0	0	0	192	0	234	125	189	0	231	90	202	0	214	189	186	0	203	168	0	0	0	0	0	0
600	50	0	42	0	135	0	112	0	0	0	0	0	180	0	239	136	176	0	264	119	197	0	215	178	180	0	198	162	0	0	0	0	0	0
700	58	0	47	0	133	0	111	0	0	0	0	0	195	0	269	103	191	0	264	119	199	0	222	166	184	0	216	156	0	0	0	0	0	0
800	55	0	43	0	132	0	96	0	0	0	0	0	189	0	250	127	182	0	254	119	195	0	225	164	180	0	219	153	0	0	0	0	0	0
900	67	0	50	0	150	0	95	0	0	0	0	0	182	0	240	102	179	0	269	90	186	0	241	135	171	0	219	129	0	0	0	0	0	0
1000	88	0	66	0	136	0	112	0	0	0	0	0	201	0	259	140	195	0	259	129	194	0	216	120	181	0	219	122	0	0	0	0	0	0
1100	88	0	66	0	148	0	123	0	0	0	0	0	205	0	252	117	209	0	267	134	198	0	239	151	183	0	209	138	0	0	0	0	0	0
1200	76	0	59	0	134	0	112	0	0	0	0	0	191	0	269	111	186	0	253	119	186	0	243	148	171	0	233	116	0	0	0	0	0	0
1300	89	0	80	0	159	0	142	0	0	0	0	0	176	0	253	97	173	0	258	92	176	0	239	125	163	0	207	120	0	0	0	0	0	0
1400	73	0	65	0	140	0	126	0	0	0	0	0	174	0	269	94	169	0	268	93	177	0	239	133	163	0	229	120	0	0	0	0	0	0
1500	87	0	73	0	147	0	131	0	0	0	0	0	181	0	265	110	178	0	247	117	181	0	214	140	166	0	200	137	0	0	0	0	0	0
1600	77	0	66	0	145	0	139	0	0	0	0	0	169	0	268	96	166	0	241	93	174	0	212	127	159	0	192	111	0	0	0	0	0	0
1700	77	0	67	0	149	0	126	0	0	0	0	0	184	0	260	124	181	0	269	117	189	0	219	156	174	0	217	121	0	0	0	0	0	0
1800	73	0	59	0	143	0	122	0	0	0	0	0	182	0	268	100	180	0	268	117	185	0	214	137	170	0	200	116	0	0	0	0	0	0
1900	64	0	54	0	101	0	103	0	0	0	0	0	342	0	39	289	336	0	79	276	346	0	25	324	323	0	356	296	0	0	0	0	0	0
2000	50	0	38	0	134	0	100	0	0	0	0	0	202	0	256	97	199	0	265	119	205	0	221	180	189	0	205	168	0	0	0	0	0	0
2100	29	0	23	0	48	0	48	0	0	0	0	0	33	3	62	303	42	3	84	355	355	0	37	339	333	0	35	312	0	0	0	0	0	0
2200	49	0	39	0	68	0	71	0	0	0	0	0	275	0	322	239	269	0	316	220	288	0	316	253	266	0	297	232	0	0	0	0	0	0
2300	100	0	88	0	136	0	139	0	0	0	0	0	270	0	321	235	266	0	320	224	285	0	319	239	266	0	296	227	0	0	0	0	0	0
2400	81	0	76	0	99	0	104	0	0	0	0	0	260	0	300	217	254	0	305	212	271	0	317	236	251	0	305	214	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MMAM	S
100	707	0	699	0	739	0	734	0	320	0	320	0	52	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
200	687	0	680	0	726	0	723	0	320	0	320	0	59	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
300	678	0	671	0	717	0	714	0	320	0	320	0	59	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
400	683	0	678	0	712	0	707	0	320	0	320	0	46	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
500	680	0	672	0	703	0	698	0	320	0	320	0	39	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
600	683	0	676	0	696	0	690	0	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
700	687	0	681	0	698	0	692	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
800	743	0	739	0	737	0	732	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
900	780	0	775	0	763	0	748	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1000	813	0	807	0	792	0	779	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1100	827	0	822	0	810	0	795	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1200	856	0	852	0	830	0	815	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1300	872	0	869	0	853	0	827	0	320	0	320	0	-37	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1400	879	0	876	0	860	0	834	0	320	0	320	0	-39	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1500	883	0	878	0	867	0	842	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1600	885	0	879	0	871	0	845	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1700	869	0	863	0	849	0	842	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1800	863	0	858	0	845	0	840	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1900	721	0	716	0	703	0	698	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2000	631	0	624	0	632	0	617	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2100	672	0	667	0	699	0	692	0	320	0	320	0	30	0	30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2200	685	0	678	0	694	0	689	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2300	671	0	665	0	662	0	656	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2400	653	0	653	0	649	0	644	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN 150A	MAX	WIND DIR3	MIN 150B	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	S	WIND DIR6
100	47	0	39	0	89	0	73	0	0	0	0	0	163	0	214	109	161	0	220	90	185	0	211	162	171	0	190	152	0	0
200	51	0	49	0	101	0	104	0	0	0	0	0	132	0	198	106	133	0	174	91	155	0	169	144	143	0	157	128	0	0
300	44	0	31	0	106	0	92	0	0	0	0	0	206	0	252	153	198	0	264	135	202	0	223	190	188	0	203	171	0	0
400	41	0	30	0	91	0	79	0	0	0	0	0	203	0	248	127	201	3	265	110	209	0	225	187	189	0	209	168	0	0
500	67	0	53	0	110	0	104	0	0	0	0	0	222	0	266	157	217	0	264	169	220	0	240	194	205	0	224	186	0	0
600	59	0	46	0	97	0	93	0	0	0	0	0	220	0	254	180	215	0	260	165	222	0	243	207	209	0	234	192	0	0
700	87	0	80	0	132	0	131	0	0	0	0	0	246	0	290	212	244	0	276	210	255	0	264	243	238	0	250	224	0	0
800	45	0	39	0	49	0	59	0	0	0	0	0	262	0	328	212	254	0	316	209	285	0	333	248	267	0	313	228	0	0
900	77	0	70	0	83		89	0	0	0	0	0	298	0	351	258	285	0	354	254	300	0	322	273	278	0	297	247	0	0
1000	71	0	62	0	92	0	86	0	0	0	0	0	299	0	321	266	283	0	350	264	304	0	319	279	282	0	296	267	0	0
1100	57	0	50	0	99	0	58	0	0	0	0	0	309	0	340	271	289	0	350	224	308	0	325	282	285	0	308	263	0	0
1200	64	0	58	0	64	0	59	0	0	0	0	0	264	0	293	240	256	0	275	220	270	0	308	213	250	0	275	215	0	0
1300	41	0	34	0	33	0	36	0	0	0	0	0	261	0	312	231	254	0	304	220	270	0	318	219	252	0	296	182	0	0
1400	45	0	38	0	41	0	46	0	0	0	0	0	264	0	305	208	257	0	304	212	261	0	323	198	244	0	314	198	0	0
1500	64	0	57	0	59	0	65	0	0	0	0	0	250	0	293	214	243	0	265	175	254	0	288	234	237	0	267	206	0	0
1600	66	0	59	0	99	0	63	0	0	0	0	0	253	0	283	208	249	0	303	181	242	0	276	197	223	0	248	170	0	0
1700	54	0	48	0	64	0	68	0	0	0	0	0	244	0	283	207	240	0	302	181	243	0	282	203	227	0	273	188	0	0
1800	51	0	44	0	58	0	62	0	0	0	0	0	236	0	274	194	235	0	270	181	232	0	274	189	216	0	240	173	0	0
1900	49	0	45	0	61	0	67	0	0	0	0	0	239	0	261	215	233	0	259	176	248	0	268	230	228	0	254	213	0	0
2000	63	0	53	0	92	0	99	0	0	0	0	0	226	0	254	196	224	0	255	176	233	0	242	224	217	0	228	207	0	0
2100	51	0	35	0	129	0	118	0	0	0	0	0	207	0	248	161	205	0	264	164	211	0	214	206	197	0	201	192	0	0
2200	46	0	35	0	133	0	119	0	0	0	0	0	186	0	232	133	102	0	260	120	201	0	208	193	186	0	193	179	0	0
2300	49	0	43	0	131	0	125	0	0	0	0	0	171	0	224	117	167	0	219	91	189	0	197	178	174	0	220	164	0	0
2400	49	0	35	0	138	0	118	0	0	0	0	0	198	0	249	159	192	0	269	119	201	0	223	190	187	0	200	175	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	633	0	627	0	638	0	633	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	10	0
200	635	0	629	0	640	0	635	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	16	0
300	635	0	629	0	636	0	631	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	16	0
400	627	0	622	0	618	0	613	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	16	0
500	635	0	629	0	630	0	617	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
600	636	0	631	0	632	0	617	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
700	642	0	635	0	630	0	617	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
800	649	0	645	0	632	0	618	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
900	660	0	654	0	631	0	627	0	320	0	320	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
1000	669	0	663	0	639	0	627	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
1100	680	0	674	0	658	0	656	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
1200	680	0	676	0	665	0	663	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
1300	725	0	721	0	701	0	699	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
1400	750	0	748	0	703	0	701	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
1500	744	0	741	0	735	0	723	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
1600	779	0	775	0	785	0	752	0	320	0	320	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
1700	789	0	779	0	795	0	752	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
1800	780	0	775	0	799	0	755	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
1900	769	0	761	0	785	0	752	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
2000	746	0	739	0	783	0	748	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
2100	721	0	716	0	797	0	752	0	320	0	320	0	37	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
2200	701	0	696	0	748	0	743	0	320	0	320	0	46	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
2300	681	0	674	0	716	0	712	0	320	0	320	0	45	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0
2400	665	0	665	0	689	0	683	0	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	24	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6
100	65	0	64	0	102	0	134	0	0	0	0	0	203	0	244	129	197	0	259	135	216	0	225	206	201	0	212	190	0	0	0
200	63	0	46	0	101	0	124	0	0	0	0	0	199	0	250	109	201	0	264	119	211	0	230	195	198	0	213	185	0	0	0
300	70	0	53	0	102	0	131	0	0	0	0	0	213	0	256	135	210	0	262	90	224	0	247	203	208	0	232	184	0	0	0
400	95	0	85	0	101	0	168	0	0	0	0	0	232	0	259	196	230	0	266	169	236	0	259	197	219	0	243	186	0	0	0
500	89	0	81	0	138	0	149	0	0	0	0	0	237	0	266	209	232	0	276	209	247	0	274	228	231	0	249	214	0	0	0
600	75	0	68	0	114	0	123	0	0	0	0	0	238	0	263	204	235	0	264	178	247	0	274	225	230	0	244	199	0	0	0
700	60	0	56	0	87	0	93	0	0	0	0	0	274	0	331	238	266	0	350	213	288	0	317	259	269	0	292	230	0	0	0
800	55	0	47	0	69	0	67	0	0	0	0	0	348	0	53	291	342	0	84	270	359	0	62	311	339	0	20	292	0	0	0
900	60	0	54	0	68	0	68	0	0	0	0	0	341	0	14	294	334	0	38	273	359	0	25	314	338	0	7	303	0	0	0
1000	44	0	36	0	66	0	65	0	0	0	0	0	11	0	105	286	13	0	135	278	10	0	59	316	347	0	38	272	0	0	0
1100	61	0	52	0	81	0	80	0	0	0	0	0	350	0	42	289	345	0	79	272	359	0	25	308	339	0	20	292	0	0	0
1200	62	0	55	0	78	0	73	0	0	0	0	0	350	0	157	295	341	0	89	279	8	0	74	319	348	0	52	293	0	0	0
1300	58	0	50	0	84	0	66	0	0	0	0	0	337	0	30	288	332	0	4	273	345	0	9	300	325	0	359	299	0	0	0
1400	35	0	28	0	41	0	45	0	0	0	0	0	329	0	118	272	310	3	359	218	340	0	14	291	319	0	356	251	0	0	0
1500	40	0	32	0	42	0	43	0	0	0	0	0	333	0	168	274	329	0	94	272	346	0	30	321	324	0	359	293	0	0	0
1600	42	0	36	0	49	0	49	0	0	0	0	0	342	0	29	282	337	0	38	270	353	0	46	313	333	0	5	299	0	0	0
1700	42	0	35	0	84	0	54	0	0	0	0	0	357	0	119	291	2	0	167	299	10	0	50	303	350	0	43	307	0	0	0
1800	38	0	31	0	39	0	39	0	0	0	0	0	30	0	71	355	28	0	83	348	24	0	49	2	6	0	46	335	0	0	0
1900	43	0	38	0	84	0	57	0	0	0	0	0	42	0	78	5	50	0	91	355	38	0	69	18	20	0	47	354	0	0	0
2000	52	0	47	0	78	0	79	0	0	0	0	0	42	0	69	26	52	0	84	355	44	0	59	30	23	0	39	13	0	0	0
2100	48	0	48	0	87	0	80	0	0	0	0	0	53	0	71	40	67	0	84	355	53	0	56	48	34	0	39	26	0	0	0
2200	58	0	50	0	79	0	80	0	0	0	0	0	109	0	116	97	113	0	130	85	94	0	100	89	78	0	84	72	0	0	0
2300	50	0	43	0	77	0	79	0	0	0	0	0	92	0	104	83	90	0	129	81	96	0	99	90	79	0	83	74	0	0	0
2400	59	0	51	0	91	0	92	0	0	0	0	0	103	0	121	90	102	0	129	85	97	0	104	90	81	0	91	72	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	667	0	662	0	609	0	685	0	320	0	320	0	37	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
200	667	0	660	0	621	0	667	0	320	0	320	0	19	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
300	676	0	669	0	674	0	671	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
400	681	0	674	0	676	0	671	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
500	674	0	669	0	669	0	663	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
600	667	0	662	0	693	0	649	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
700	658	0	653	0	649	0	645	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
800	656	0	653	0	630	0	617	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
900	662	0	656	0	631	0	629	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1000	708	0	705	0	662	0	658	0	320	0	320	0	-30	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1100	698	0	694	0	695	0	662	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1200	692	0	689	0	695	0	663	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1300	725	0	721	0	685	0	683	0	320	0	320	0	-37	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1400	753	0	753	0	699	0	698	0	320	0	320	0	-52	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1500	746	0	743	0	699	0	696	0	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1600	743	0	739	0	707	0	703	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1700	739	0	734	0	730	0	705	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1800	728	0	725	0	707	0	701	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1900	734	0	728	0	708	0	705	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
2000	692	0	685	0	690	0	685	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
2100	654	0	647	0	687	0	680	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
2200	654	0	645	0	681	0	676	0	320	0	320	0	30	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
2300	649	0	638	0	676	0	671	0	320	0	320	0	32	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
2400	638	0	629	0	680	0	674	0	320	0	320	0	46	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6
100	68	0	64	0	91	0	94	0	0	0	0	0	136	0	147	129	135	0	174	123	117	0	123	100	101	0	106	94	0	0	0
200	66	0	61	0	88	0	92	0	0	0	0	0	145	0	169	133	142	0	174	125	125	0	135	121	109	0	121	105	0	0	0
300	64	0	57	0	145	0	146	0	0	0	0	0	139	0	167	119	141	0	179	119	142	0	149	136	127	0	134	122	0	0	0
400	62	0	56	0	140	0	147	0	0	0	0	0	134	0	160	114	134	0	179	86	144	0	147	141	129	0	132	127	0	0	0
500	66	0	57	0	109	0	114	0	0	0	0	0	113	0	119	108	121	0	172	85	132	0	136	129	118	0	122	115	0	0	0
600	66	0	58	0	109	0	116	0	0	0	0	0	118	0	125	114	124	0	135	111	135	0	137	133	121	0	122	119	0	0	0
700	50	0	46	0	126	0	131	0	0	0	0	0	129	0	162	95	128	0	174	85	149	0	160	137	136	0	142	128	0	0	0
800	45	0	41	0	94	0	59	0	0	0	0	0	117	0	161	69	120	0	179	84	145	0	169	116	132	0	152	107	0	0	0
900	32	0	27	0	41	0	43	0	0	0	0	0	100	0	159	50	106	3	168	5	133	0	176	104	121	0	167	82	0	0	0
1000	26	0	20	0	27	0	29	0	0	0	0	0	108	0	179	32	107	3	177	33	111	0	173	22	100	3	179	1	0	0	0
1100	63	0	54	0	89	0	88	0	0	0	0	0	339	0	23	296	334	0	4	270	353	0	1	330	332	0	345	311	0	0	0
1200	65	0	55	0	89	0	84	0	0	0	0	0	342	0	40	277	335	0	80	270	2	0	47	315	342	0	44	293	0	0	0
1300	45	0	35	0	72	0	68	0	0	0	0	0	339	0	105	271	341	0	139	271	357	0	86	310	340	0	62	289	0	0	0
1400	68	0	59	0	82	0	81	0	0	0	0	0	342	0	68	276	340	0	83	272	5	0	88	297	344	0	47	309	0	0	0
1500	79	0	69	0	100	0	101	0	0	0	0	0	345	0	25	285	339	0	34	271	9	0	40	331	343	0	19	305	0	0	0
1600	107	0	98	0	139	0	137	0	0	0	0	0	26	0	76	351	17	0	83	312	15	0	33	335	357	0	31	318	0	0	0
1700	91	0	83	0	132	0	131	0	0	0	0	0	27	0	60	353	24	0	84	349	22	0	45	352	4	0	25	334	0	0	0
1800	117	0	106	0	141	0	139	0	0	0	0	0	32	0	75	355	31	0	83	350	27	0	54	9	8	0	28	340	0	0	0
1900	83	0	84	0	139	0	121	0	0	0	0	0	93	0	82	19	43	0	95	355	41	0	77	10	22	0	69	353	0	0	0
2000	83	0	76	0	121	0	120	0	0	0	0	0	39	0	66	19	38	0	84	348	37	0	59	18	19	0	37	2	0	0	0
2100	76	0	78	0	106	0	128	0	0	0	0	0	58	0	84	26	74	0	95	2	54	0	73	38	35	0	58	24	0	0	0
2200	69	0	72	0	109	0	129	0	0	0	0	0	66	0	87	42	74	0	91	356	60	0	73	93	93	0	61	30	0	0	0
2300	66	0	62	0	91	0	111	0	0	0	0	0	77	0	99	55	80	0	95	79	67	0	76	57	49	0	60	40	0	0	0
2400	94	0	99	0	131	0	154	0	0	0	0	0	64	0	99	32	72	0	92	1	58	0	84	40	41	0	67	21	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 120A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	618	0	613	0	665	0	660	0	320	0	320	0	48	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
200	613	0	608	0	669	0	665	0	320	0	320	0	59	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
300	590	0	584	0	658	0	653	0	320	0	320	0	70	0	70	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
400	581	0	573	0	654	0	651	0	320	0	320	0	75	0	77	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
500	595	0	588	0	647	0	642	0	320	0	320	0	55	0	57	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
600	584	0	577	0	637	0	624	0	320	0	320	0	54	0	55	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
700	620	0	613	0	636	0	633	0	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
800	679	0	672	0	645	0	640	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
900	744	0	743	0	699	0	698	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1000	777	0	775	0	752	0	748	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1100	739	0	735	0	733	0	719	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1200	705	0	701	0	672	0	669	0	320	0	320	0	-30	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1300	743	0	741	0	681	0	678	0	320	0	320	0	-54	0	-54	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1400	716	0	712	0	685	0	681	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1500	719	0	716	0	689	0	685	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1600	663	0	660	0	642	0	636	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1700	651	0	645	0	635	0	629	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1800	656	0	653	0	635	0	631	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1900	656	0	653	0	633	0	627	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2000	640	0	633	0	637	0	624	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2100	618	0	613	0	624	0	620	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2200	613	0	608	0	627	0	624	0	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2300	618	0	611	0	629	0	626	0	320	0	320	0	12	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2400	618	0	613	0	626	0	620	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24

STA[illegible]ODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = [illegible]ID, 3 = UNSTEADY DIRECTION, 5.=FLAT DIRECTION...
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	Wind Dire
													50 A S			50 B S			150A S			150B S			S			S	
100	81	0	73	0	130	0	123	0	0	0	0	0	92	0	114	74	98	0	134	74	83	0	106	58	67	0	87	39	0	0	0	0	0	
200	92	0	85	0	139	0	137	0	0	0	0	0	95	0	116	68	95	0	130	75	90	0	106	77	74	0	89	62	0	0	0	0	0	
300	106	0	98	0	153	0	154	0	0	0	0	0	93	0	110	73	92	0	129	75	88	0	107	69	71	0	92	53	0	0	0	0	0	
400	120	0	114	0	176	0	173	0	0	0	0	0	97	0	118	77	95	0	133	74	93	0	107	79	77	0	93	63	0	0	0	0	0	
500	113	0	101	0	170	0	169	0	0	0	0	0	102	0	122	79	102	0	131	75	99	0	118	87	83	0	105	73	0	0	0	0	0	
600	108	0	98	0	164	0	165	0	0	0	0	0	100	0	121	82	98	0	131	75	100	0	128	89	84	0	122	66	0	0	0	0	0	
700	109	0	97	0	159	0	156	0	0	0	0	0	103	0	131	76	100	0	136	75	102	0	118	69	88	0	107	65	0	0	0	0	0	
800	98	0	96	0	135	0	139	0	0	0	0	0	95	0	128	65	94	0	135	75	94	0	115	74	78	0	97	55	0	0	0	0	0	
900	89	0	84	0	133	0	126	0	0	0	0	0	90	0	125	51	90	0	129	34	86	0	120	63	71	0	90	45	0	0	0	0	0	
1000	86	0	84	0	130	0	126	0	0	0	0	0	84	0	119	50	86	0	128	1	83	0	117	50	67	0	94	42	0	0	0	0	0	
1100	93	0	85	0	146	0	117	0	0	0	0	0	99	0	135	50	102	0	136	39	100	0	135	47	84	0	127	57	0	0	0	0	0	
1200	74	0	68	0	90	0	99	0	0	0	0	0	81	0	155	34	88	0	134	3	81	0	120	25	64	0	110	25	0	0	0	0	0	
1300	86	0	80	0	97	0	99	0	0	0	0	0	90	0	159	41	90	0	174	35	90	0	161	23	72	0	123	20	0	0	0	0	0	
1400	63	0	56	0	86	0	87	0	0	0	0	0	16	0	88	306	19	0	168	299	25	0	89	321	6	0	46	322	0	0	0	0	0	
1500	112	0	101	0	138	0	134	0	0	0	0	0	28	0	69	10	22	0	82	345	28	0	50	3	9	0	35	344	0	0	0	0	0	
1600	139	0	132	0	184	0	181	0	0	0	0	0	30	0	72	14	26	0	83	346	31	0	55	12	12	0	37	349	0	0	0	0	0	
1700	136	0	125	0	185	0	180	0	0	0	0	0	33	0	59	16	30	0	84	344	37	0	49	12	18	0	41	355	0	0	0	0	0	
1800	107	0	103	0	149	0	146	0	0	0	0	0	36	0	79	19	35	0	84	355	38	0	63	12	18	0	38	3	0	0	0	0	0	
1900	75	0	74	0	133	0	122	0	0	0	0	0	46	0	75	23	52	0	84	356	47	0	63	28	29	0	48	7	0	0	0	0	0	
2000	75	0	74	0	116	0	126	0	0	0	0	0	48	0	75	21	57	0	102	356	47	0	66	23	28	0	49	9	0	0	0	0	0	
2100	75	0	80	0	135	0	153	0	0	0	0	0	62	0	83	44	74	0	93	3	60	0	73	52	44	0	59	36	0	0	0	0	0	
2200	100	0	91	0	166	0	159	0	0	0	0	0	90	0	107	77	87	0	126	79	81	0	86	72	64	0	72	58	0	0	0	0	0	
2300	97	0	88	0	142	0	161	0	0	0	0	0	97	0	113	89	95	0	129	77	95	0	100	92	79	0	83	76	0	0	0	0	0	
2400	98	0	89	0	147	0	168	0	0	0	0	0	103	0	115	89	99	0	131	80	102	0	105	97	86	0	90	83	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	Rain S
100	606	0	599	0	608	0	602	0	320	0	320	0	1	0	3	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
200	599	0	591	0	600	0	597	0	320	0	320	0	3	0	5	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
300	595	0	588	0	593	0	588	0	320	0	320	0	0	0	0	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
400	593	0	586	0	591	0	588	0	320	0	320	0	0	0	1	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
500	579	0	573	0	581	0	577	0	320	0	320	0	3	0	5	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
600	582	0	577	0	582	0	577	0	320	0	320	0	0	0	0	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
700	606	0	600	0	595	0	591	0	320	0	320	0	-10	0	-9	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
800	651	0	645	0	639	0	634	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
900	698	0	694	0	689	0	685	0	320	0	320	0	-25	0	-28	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
1000	730	0	726	0	696	0	690	0	320	0	320	0	-28	0	-32	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
1100	753	0	750	0	735	0	721	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
1200	793	0	791	0	750	0	744	0	320	0	320	0	-37	0	-43	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
1300	811	0	811	0	782	0	757	0	320	0	320	0	-41	0	-48	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
1400	811	0	809	0	757	0	753	0	320	0	320	0	-46	0	-46	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
1500	752	0	750	0	728	0	723	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
1600	723	0	719	0	705	0	699	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
1700	701	0	698	0	689	0	683	0	320	0	320	0	-10	0	-12	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
1800	703	0	699	0	692	0	687	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
1900	698	0	692	0	689	0	683	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
2000	672	0	667	0	683	0	678	0	320	0	320	0	10	0	10	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
2100	653	0	647	0	689	0	685	0	320	0	320	0	37	0	37	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
2200	671	0	665	0	690	0	685	0	320	0	320	0	19	0	19	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
2300	663	0	658	0	699	0	694	0	320	0	320	0	37	0	37	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24
2400	665	0	658	0	694	0	689	0	320	0	320	0	30	0	30	0	0	0	0	0	320 2	0	0	0	0	0	0	0	24

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	S	WIND DIR6
100	95	0	92	0	158	0	159	0	0	0	0	0	100	0	111	82	98	0	129	78	100	0	105	94	89	0	90	76	0	0	0	0
200	95	0	86	0	160	0	162	0	0	0	0	0	102	0	116	77	100	0	129	75	101	0	111	92	85	0	98	75	0	0	0	0
300	84	0	75	0	138	0	138	0	0	0	0	0	106	0	127	84	105	0	131	74	103	0	116	86	88	0	110	76	0	0	0	0
400	93	0	81	0	149	0	153	0	0	0	0	0	106	0	119	81	105	0	129	79	107	0	115	99	91	0	103	76	0	0	0	0
500	103	0	89	0	163	0	155	0	0	0	0	0	110	0	130	86	108	0	135	75	112	0	135	100	97	0	121	76	0	0	0	0
600	109	0	99	0	144	0	149	0	0	0	0	0	111	0	124	94	111	0	138	79	114	0	131	92	99	0	122	84	0	0	0	0
700	118	0	105	0	148	0	154	0	0	0	0	0	114	0	128	97	115	0	140	86	116	0	135	98	101	0	122	87	0	0	0	0
800	119	0	112	0	133	0	139	0	0	0	0	0	119	0	149	100	122	0	141	86	123	0	145	108	109	0	127	87	0	0	0	0
900	148	0	138	0	175	0	183	0	0	0	0	0	119	0	135	104	122	0	175	82	124	0	144	106	110	0	130	79	0	0	0	0
1000	101	0	92	0	118	0	124	0	0	0	0	0	111	0	133	85	112	0	140	74	113	0	138	83	97	0	121	65	0	0	0	0
1100	128	0	125	0	164	0	171	0	0	0	0	0	119	0	143	86	123	0	174	80	124	0	150	90	109	0	132	77	0	0	0	0
1200	133	0	127	0	166	0	169	0	0	0	0	0	114	0	132	92	116	0	140	76	117	0	137	77	104	0	119	72	0	0	0	0
1300	87	0	82	0	101	0	107	0	0	0	0	0	115	0	147	20	121	0	177	75	120	0	165	59	105	0	156	42	0	0	0	0
1400	64	0	61	0	90	0	95	0	0	0	0	0	119	0	169	54	119	0	176	75	130	0	180	97	119	0	164	84	0	0	0	0
1500	80	0	79	0	106	0	110	0	0	0	0	0	99	0	161	64	102	0	174	48	113	0	155	74	101	0	143	63	0	0	0	0
1600	76	0	70	0	92	0	95	0	0	0	0	0	124	0	189	94	125	0	175	79	128	0	166	102	117	0	160	87	0	0	0	0
1700	69	0	67	0	105	0	110	0	0	0	0	0	135	0	247	97	136	0	225	90	139	0	186	113	127	0	183	92	0	0	0	0
1800	38	0	32	0	82	0	64	0	0	0	0	0	7	0	170	270	10	0	174	270	72	0	177	7	60	0	155	0	0	0	0	0
1900	35	0	32	0	79	0	85	0	0	0	0	0	117	0	179	48	112	0	177	33	134	0	162	95	122	0	158	87	0	0	0	0
2000	47	0	47	0	70	0	81	0	0	0	0	0	69	0	105	37	75	0	129	3	70	0	91	55	54	0	74	38	0	0	0	0
2100	46	0	41	0	78	0	83	0	0	0	0	0	101	0	118	78	99	0	131	74	121	0	137	101	106	0	120	88	0	0	0	0
2200	53	0	50	0	133	0	116	0	0	0	0	0	127	0	156	104	133	0	199	119	148	0	167	134	135	0	150	124	0	0	0	0
2300	50	0	47	0	107	0	112	0	0	0	0	0	126	0	145	115	130	0	140	119	147	0	153	139	132	0	139	126	0	0	0	0
2400	73	0	68	0	161	0	166	0	0	0	0	0	132	0	164	114	133	0	174	85	147	0	157	136	133	0	141	124	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AUX. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	662	0	654	0	678	0	674	0	320	0	320	0	18	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
200	656	0	651	0	665	0	662	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
300	653	0	647	0	656	0	651	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
400	645	0	638	0	651	0	645	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
500	647	0	640	0	645	0	640	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
600	649	0	642	0	642	0	636	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
700	651	0	645	0	642	0	636	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
800	660	0	654	0	645	0	640	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
900	674	0	669	0	660	0	654	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1000	698	0	694	0	678	0	672	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1100	721	0	716	0	696	0	690	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1200	739	0	735	0	708	0	705	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1300	782	0	780	0	741	0	737	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1400	795	0	793	0	748	0	744	0	320	0	320	0	-34	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1500	813	0	813	0	759	0	755	0	320	0	320	0	-41	0	-48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1600	804	0	800	0	771	0	766	0	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1700	813	0	809	0	771	0	766	0	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1800	771	0	768	0	782	0	746	0	320	0	320	0	-10	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1900	766	0	761	0	787	0	752	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
2000	701	0	694	0	728	0	723	0	320	0	320	0	30	3	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
2100	671	0	662	0	714	0	708	0	320	0	320	0	45	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
2200	680	0	671	0	699	0	694	0	320	0	320	0	21	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
2300	667	0	658	0	696	0	690	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
2400	[illegible]	0	665	0	692	0	687	0	320	0	320	0	21	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX		WIND DIR2	MIN	MAX		WIND DIR3	MIN	MAX		WIND DIR4	MIN	MAX		WIND DIR5	MIN	MAX		WIND DIRo
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		50	B	S		150A	S			150B	S			S			S			S
100	67	0	67	0	125	0	127	0	0	0	0	0	125	0	142	117	129	0	140	119	139	0	145	134	125	0	130	116	0	0	0	0	0
200	80	0	70	0	114	0	125	0	0	0	0	0	120	0	135	111	124	0	136	119	130	0	138	121	117	0	124	109	0	0	0	0	0
300	71	0	61	0	107	0	118	0	0	0	0	0	121	0	137	115	125	0	134	119	134	0	141	126	120	0	128	114	0	0	0	0	0
400	69	0	60	0	103	0	112	0	0	0	0	0	121	0	129	112	124	0	136	89	133	0	140	124	119	0	124	112	0	0	0	0	0
500	71	0	70	0	126	0	130	0	0	0	0	0	127	0	140	115	129	0	140	119	137	0	144	129	123	0	132	116	0	0	0	0	0
600	71	0	65	0	123	0	124	0	0	0	0	0	122	0	134	107	125	0	140	86	141	0	148	132	126	0	135	117	0	0	0	0	0
700	84	0	79	0	106	0	119	0	0	0	0	0	118	0	137	102	122	0	140	85	134	0	153	116	120	0	135	104	0	0	0	0	0
800	83	0	82	0	126	0	124	0	0	0	0	0	121	0	142	98	125	0	167	86	136	0	155	124	122	0	134	107	0	0	0	0	0
900	68	0	64	0	98	0	103	0	0	0	0	0	127	0	164	75	130	0	177	78	143	0	167	111	129	0	155	97	0	0	0	0	0
1000	82	0	79	0	111	0	116	0	0	0	0	0	125	0	188	100	129	0	173	74	137	0	165	122	124	0	151	105	0	0	0	0	0
1100	70	0	64	0	83	0	86	0	0	0	0	0	112	0	154	65	113	0	157	73	124	0	150	87	109	0	140	60	0	0	0	0	0
1200	65	0	62	0	88	0	91	0	0	0	0	0	115	0	160	49	120	0	179	21	128	0	167	89	116	0	153	55	0	0	0	0	0
1300	62	0	54	0	76	0	79	0	0	0	0	0	107	0	175	32	109	0	175	5	119	0	177	38	106	0	167	29	0	0	0	0	0
1400	63	0	56	0	82	0	87	0	0	0	0	0	104	0	140	34	107	0	168	52	110	0	150	41	97	0	144	15	0	0	0	0	0
1500	45	0	44	0	34	0	39	0	0	0	0	0	299	0	350	248	289	0	359	222	331	0	179	271	279	0	357	214	0	0	0	0	0
1600	37	0	31	0	18	0	20	0	0	0	0	0	335	0	45	274	332	0	79	275	359	3	59	294	335	3	50	273	0	0	0	0	0
1700	45	0	38	0	54	0	54	0	0	0	0	0	5	0	92	277	8	0	173	270	20	0	66	348	359	0	39	328	0	0	0	0	0
1800	28	0	26	0	55	0	60	0	0	0	0	0	70	3	161	14	77	3	178	1	108	0	152	55	95	0	148	50	0	0	0	0	0
1900	85	0	79	0	104	0	111	0	0	0	0	0	118	0	170	94	123	0	173	83	120	0	144	73	108	0	129	58	0	0	0	0	0
2000	85	0	74	0	106	0	119	0	0	0	0	0	118	0	140	92	122	0	166	87	126	0	141	107	115	0	128	90	0	0	0	0	0
2100	45	0	42	0	91	0	95	0	0	0	0	0	128	0	164	101	131	0	173	86	143	0	155	129	132	0	149	107	0	0	0	0	0
2200	44	0	43	0	116	0	121	0	0	0	0	0	126	0	150	107	131	0	172	89	153	0	157	149	141	0	145	136	0	0	0	0	0
2300	54	0	57	0	131	0	137	0	0	0	0	0	126	0	152	106	130	0	171	113	152	0	156	147	140	0	145	136	0	0	0	0	0
2400	56	0	54	0	133	0	140	0	0	0	0	0	128	0	151	112	133	0	169	119	143	0	146	136	131	0	135	125	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	665	0	658	0	681	0	676	0	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
200	656	0	649	0	667	0	663	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
300	644	0	636	0	658	0	654	0	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
400	636	0	629	0	651	0	647	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
500	627	0	622	0	638	0	635	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
600	622	0	617	0	633	0	627	0	320	0	320	0	12	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
700	649	0	644	0	642	0	636	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
800	699	0	696	0	678	0	672	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
900	735	0	732	0	710	0	705	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
1000	762	0	759	0	732	0	726	0	320	0	320	0	-28	0	-30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
1100	782	0	779	0	753	0	750	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
1200	816	0	816	0	779	0	775	0	320	0	320	0	-36	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
1300	843	0	843	0	795	0	789	0	320	0	320	0	-43	0	-48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
1400	856	0	856	0	806	0	802	0	320	0	320	0	-45	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
1500	766	0	762	0	797	0	795	0	320	0	320	0	37	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
1600	902	0	798	0	840	0	838	0	320	0	320	0	43	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
1700	768	0	764	0	773	0	768	0	320	0	320	0	9	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
1800	800	0	797	0	791	0	786	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
1900	818	0	813	0	806	0	800	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
2000	795	0	789	0	791	0	786	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
2100	771	0	764	0	780	0	775	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
2200	752	0	744	0	780	0	775	0	320	0	320	0	30	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
2300	743	0	735	0	779	0	773	0	320	0	320	0	37	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	
2400	721	0	716	0	755	0	750	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24	

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION .
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN	MAX	WIND DIR4		MIN	MAX	WIND DIR5		MIN	MAX	WIND DIR6	
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S			50 B	S			150A	S			150B	S			S				S		
100	57	0	52	0	136	0	141	0	0	0	0	0	129	0	157	100	131	0	173	89	148	0	153	140	135	0	142	129	0	0	0	0
200	67	0	64	0	147	0	152	0	0	0	0	0	129	0	170	105	132	0	173	87	150	0	159	133	138	0	148	127	0	0	0	0
300	51	0	48	0	121	0	126	0	0	0	0	0	126	0	151	107	130	0	174	85	153	0	160	146	141	0	147	133	0	0	0	0
400	61	0	58	0	147	0	154	0	0	0	0	0	125	0	149	103	130	0	173	89	150	0	154	143	138	0	143	131	0	0	0	0
500	51	0	51	0	128	0	133	0	0	0	0	0	127	0	145	109	133	0	174	85	150	0	157	141	138	0	145	131	0	0	0	0
600	63	0	61	0	136	0	144	0	0	0	0	0	128	0	162	111	131	0	173	92	149	0	150	140	132	0	139	126	0	0	0	0
700	80	0	78	0	130	0	125	0	0	0	0	0	123	0	145	98	128	0	171	87	140	0	156	123	127	0	139	106	0	0	0	0
800	57	0	52	0	81	0	86	0	0	0	0	0	124	0	170	88	129	0	175	78	147	0	166	122	135	0	157	112	0	0	0	0
900	59	0	56	0	89	0	91	0	0	0	0	0	120	0	175	56	123	0	175	29	141	0	173	115	129	0	152	104	0	0	0	0
1000	49	0	42	0	84	0	82	0	0	0	0	0	143	0	235	92	131	0	179	5	163	0	197	123	150	0	185	105	0	0	0	0
1100	55	0	47	0	95	0	86	0	0	0	0	0	149	0	232	100	151	0	224	91	163	0	222	97	152	0	218	98	0	0	0	0
1200	36	0	32	0	40	0	42	0	0	0	0	0	298	0	356	247	293	0	358	228	315	0	168	270	284	0	334	239	0	0	0	0
1300	35	0	30	0	38	0	39	0	0	0	0	0	269	0	357	189	264	3	355	209	213	0	355	90	169	0	267	98	0	0	0	0
1400	51	0	46	0	50	0	51	0	0	0	0	0	331	0	158	273	320	0	359	225	349	0	45	298	329	0	26	283	0	0	0	0
1500	43	0	37	0	59	0	59	0	0	0	0	0	9	0	84	280	10	0	124	275	4	0	55	308	342	0	40	291	0	0	0	0
1600	58	0	51	0	83	0	67	0	0	0	0	0	32	0	147	315	31	0	133	299	57	0	167	0	30	0	153	322	0	0	0	0
1700	68	0	61	0	81	0	81	0	0	0	0	0	30	0	63	353	25	0	84	344	23	0	51	354	2	0	37	340	0	0	0	0
1800	61	0	53	0	81	0	81	0	0	0	0	0	34	0	90	8	26	0	90	314	32	0	53	10	15	0	46	353	0	0	0	0
1900	20	0	14	0	31	0	33	0	0	0	0	0	5	3	82	288	9	3	80	298	24	0	54	339	4	0	36	321	0	0	0	0
2000	35	0	31	0	87	0	63	0	0	0	0	0	52	0	96	24	65	0	166	29	48	0	89	25	30	0	78	3	0	0	0	0
2100	34	0	33	0	87	0	59	0	0	0	0	0	71	0	97	56	79	0	95	38	110	0	144	87	97	0	138	70	0	0	0	0
2200	75	0	62	0	133	0	132	0	0	0	0	0	112	0	121	97	116	0	134	85	128	0	141	117	113	0	123	100	0	0	0	0
2300	89	0	80	0	135	0	146	0	0	0	0	0	120	0	130	111	125	0	140	95	134	0	146	121	119	0	127	108	0	0	0	0
2400	87	0	80	0	137	0	145	0	0	0	0	0	121	0	133	109	127	0	173	95	134	0	146	124	118	0	127	104	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	703	0	698	0	738	0	723	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
200	698	0	690	0	734	0	708	0	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
300	680	0	672	0	701	0	696	0	320	0	320	0	21	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
400	662	0	654	0	689	0	683	0	320	0	320	0	27	0	28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
500	651	0	644	0	676	0	671	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
600	654	0	647	0	676	0	671	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
700	683	0	676	0	678	0	672	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
800	730	0	726	0	703	0	699	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
900	764	0	761	0	734	0	730	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1000	802	0	800	0	761	0	757	0	320	0	320	0	-37	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1100	824	0	820	0	786	0	780	0	320	0	320	0	-36	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1200	825	0	824	0	786	0	786	0	320	0	320	0	-36	0	-36	0	000	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1300	854	0	854	0	821	0	807	0	320	0	320	0	-39	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1400	852	0	849	0	821	0	807	0	320	0	320	0	-36	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1500	852	0	851	0	823	0	809	0	320	0	320	0	-36	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1600	851	0	849	0	830	0	815	0	320	0	320	0	-28	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1700	829	0	827	0	806	0	800	0	320	0	320	0	-21	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1800	815	0	811	0	793	0	788	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1900	822	0	816	0	823	0	806	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2000	777	0	770	0	804	0	800	0	320	0	320	0	30	0	30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2100	739	0	730	0	806	0	798	0	320	0	320	0	68	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2200	735	0	726	0	779	0	773	0	320	0	320	0	45	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2300	743	0	735	0	762	0	757	0	320	0	320	0	21	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2400	730	0	721	0	737	0	732	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN 50	MAX 50		WIND DIR2	MIN 150A	MAX 150A		WIND DIR3	MIN 150B	MAX 150B		WIND DIR4	MIN	MAX		WIND DIR5	MIN	MAX		WIND DIR6		
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S				S				S				S			S			S					
100	89	0	84	0	140	0	148	0	0	0	0	0	124	111	142	0	129	103	171	0	137	129	147	0	122	110	131	0	0	0	0	0			
200	68	0	71	0	142	0	148	0	0	0	0	0	123	109	158	0	127	90	140	0	145	137	154	0	130	121	142	0	0	0	0	0			
300	73	0	77	0	140	0	147	0	0	0	0	0	125	114	138	0	130	115	142	0	147	143	150	0	132	128	137	0	0	0	0	0			
400	72	0	77	0	149	0	157	0	0	0	0	0	128	112	147	0	129	91	170	0	147	139	153	0	132	128	139	0	0	0	0	0			
500	69	0	72	0	140	0	146	0	0	0	0	0	125	113	139	0	130	114	140	0	148	143	150	0	133	124	136	0	0	0	0	0			
600	62	0	59	0	148	0	164	0	0	0	0	0	126	101	146	0	131	90	174	0	156	150	160	0	142	135	145	0	0	0	0	0			
700	46	0	43	0	93	0	98	0	0	0	0	0	120	97	159	0	124	77	174	0	155	137	174	0	141	124	154	0	0	0	0	0			
800	29	0	23	0	52	0	50	0	0	0	0	0	164	96	252	3	130	22	179	3	170	128	248	0	157	119	231	0	0	0	0	0			
900	39	0	32	0	62	0	64	0	0	0	0	0	143	90	260	0	132	75	175	0	160	131	200	0	147	96	227	0	0	0	0	0			
1000	39	0	32	0	98	0	56	0	0	0	0	0	176	90	267	0	178	90	269	0	175	114	268	0	159	105	236	0	0	0	0	0			
1100	35	0	29	0	33	0	34	0	0	0	0	0	289	193	351	0	284	184	355	3	278	180	352	0	262	182	344	0	0	0	0	0			
1200	37	0	31	0	41	0	43	0	0	0	0	0	279	182	351	0	25	178	270	0	32	170	279	0	220	98	338	0	0	0	0	0			
1300	55	0	43	0	67	0	67	0	0	0	0	0	328	17	273	0	305	181	359	0	336	301	358	0	315	284	340	0	0	0	0	0			
1400	46	0	41	0	43	0	42	0	0	0	0	0	312	237	359	0	303	218	357	0	339	287	18	0	317	258	354	0	0	0	0	0			
1500	59	0	52	0	81	0	79	0	0	0	0	0	336	275	127	0	334	270	174	0	0	308	35	0	339	297	24	0	0	0	0	0			
1600	69	0	60	0	96	0	96	0	0	0	0	0	20	304	126	0	12	273	129	0	10	332	39	0	349	305	43	0	0	0	0	0			
1700	52	0	45	0	71	0	72	0	0	0	0	0	23	298	156	0	17	303	124	0	15	311	51	0	354	301	34	0	0	0	0	0			
1800	51	0	42	0	79	0	75	0	0	0	0	0	3	283	66	0	359	270	118	0	13	323	33	0	352	301	43	0	0	0	0	0			
1900	49	0	42	0	74	0	74	0	0	0	0	0	36	7	73	0	39	348	122	0	31	16	52	0	12	351	37	0	0	0	0	0			
2000	68	0	62	0	102	0	101	0	0	0	0	0	38	19	58	0	42	355	83	0	37	25	66	0	17	359	33	0	0	0	0	0			
2100	42	0	38	0	48	0	79	0	0	0	0	0	74	57	100	0	79	60	92	0	58	52	73	0	41	33	54	0	0	0	0	0			
2200	47	0	44	0	70	0	89	0	0	0	0	0	74	66	82	0	76	63	84	0	74	57	68	0	46	41	49	0	0	0	0	0			
2300	69	0	59	0	85	0	100	0	0	0	0	0	92	80	105	0	89	77	126	0	73	69	77	0	55	51	58	0	0	0	0	0			
2400	80	0	73	0	99	0	98	0	0	0	0	0	103	98	108	0	100	85	128	0	85	84	87	0	68	65	69	0	0	0	0	0			

	AMB. TEMP1		AMB. TEMP2		AMB. TEMP3		AMB. TEMP4		AMB. TEMP5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7			
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S		
100	712	0	707	0	739	0	714	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
200	690	0	683	0	705	0	701	0	320	0	320	0	19	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
300	681	0	674	0	701	0	698	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
400	665	0	658	0	685	0	680	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
500	649	0	644	0	678	0	672	0	320	0	320	0	30	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
600	644	0	636	0	676	0	671	0	320	0	320	0	37	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
700	672	0	667	0	671	0	665	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
800	741	0	735	0	708	0	703	0	320	0	320	0	-30	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
900	784	0	780	0	746	0	741	0	320	0	320	0	-37	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
1000	815	0	811	0	779	0	775	0	320	0	320	0	-36	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
1100	782	0	777	0	792	0	779	0	320	0	320	0	0	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
1200	822	0	818	0	802	0	798	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
1300	825	0	822	0	768	0	764	0	320	0	320	0	-54	0	-50	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
1400	829	0	827	0	791	0	789	0	320	0	320	0	-37	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
1500	822	0	816	0	788	0	782	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
1600	802	0	798	0	769	0	759	0	320	0	320	0	-36	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
1700	809	0	806	0	779	0	773	0	320	0	320	0	-28	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
1800	911	0	807	0	791	0	786	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
1900	798	0	795	0	786	0	779	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
2000	768	0	762	0	771	0	764	0	320	0	320	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
2100	734	0	726	0	764	0	759	0	320	0	320	0	30	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
2200	716	0	716	0	784	0	761	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
2300	726	0	717	0	770	0	764	0	320	0	320	0	45	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			
2400	725	0	716	0	770	0	769	0	320	0	320	0	46	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0			

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGS

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		WIND DIR2 MIN 50 B	MAX	S	WIND DIR3 MIN 150A	MAX	S	WIND DIR4 MIN 150B	MAX	S	WIND DIR5 MIN	MAX	S	WIND DIR6 MIN	MAX	S
100	79	0	72	0	115	0	114	0	0	0	0	0	107	0	111	102	118	0	129	85	95	0	96	92	77	0	79	76	0	0	0	0		
200	75	0	74	0	128	0	134	0	0	0	0	0	130	0	140	120	132	0	140	119	124	0	131	113	108	0	116	97	0	0	0	0		
300	59	0	54	0	139	0	114	0	0	0	0	0	138	0	157	275	136	0	174	85	177	0	186	168	162	0	169	154	0	0	0	0		
400	76	0	54	0	146	0	147	0	0	0	0	0	196	0	227	158	195	0	230	130	212	0	220	202	198	0	206	183	0	0	0	0		
500	68	0	49	0	137	0	136	0	0	0	0	0	199	0	238	159	199	0	259	135	216	0	223	212	203	0	211	197	0	0	0	0		
600	63	0	46	0	132	0	119	0	0	0	0	0	194	0	227	159	191	0	230	130	220	0	224	214	206	0	213	200	0	0	0	0		
700	58	0	40	0	104	0	109	0	0	0	0	0	212	0	253	180	211	0	260	169	230	0	249	212	214	0	231	200	0	0	0	0		
800	64	0	54	0	98	0	100	0	0	0	0	0	231	0	273	190	232	0	304	180	230	0	259	197	214	0	242	184	0	0	0	0		
900	76	0	68	0	98	0	105	0	0	0	0	0	242	0	280	209	239	0	299	181	239	0	264	211	222	0	240	190	0	0	0	0		
1000	82	0	79	0	103	0	110	0	0	0	0	0	246	0	269	222	241	0	269	209	259	0	269	253	243	0	253	233	0	0	0	0		
1100	71	0	64	0	76	0	81	0	0	0	0	0	243	0	268	214	237	0	275	209	262	0	281	239	245	0	271	219	0	0	0	0		
1200	64	0	58	0	74	0	81	0	0	0	0	0	247	0	286	217	242	0	269	208	263	0	303	235	244	0	269	223	0	0	0	0		
1300	62	0	57	0	88	0	64	0	0	0	0	0	267	0	294	235	261	0	308	218	279	0	315	230	261	0	291	227	0	0	0	0		
1400	57	0	50	0	82	0	54	0	0	0	0	0	260	0	298	229	255	0	314	209	286	0	321	243	265	0	299	216	0	0	0	0		
1500	43	0	35	0	60	0	63	0	0	0	0	0	301	0	346	258	287	0	349	228	308	0	323	304	286	0	302	282	0	0	0	0		
1600	59	0	54	0	78	0	77	0	0	0	0	0	339	0	23	287	330	0	33	270	350	0	23	297	329	0	3	274	0	0	0	0		
1700	35	0	27	0	34	0	36	0	0	0	0	0	346	0	59	272	354	3	124	299	7	0	91	304	350	0	45	295	0	0	0	0		
1800	65	0	61	0	95	0	83	0	0	0	0	0	30	0	59	346	29	0	89	343	20	0	41	352	0	0	28	332	0	0	0	0		
1900	58	0	51	0	81	0	80	0	0	0	0	0	34	0	72	9	38	0	83	355	35	0	53	17	15	0	36	353	0	0	0	0		
2000	73	0	66	2	100	0	99	2	0	0	0	0	27	0	52	3	29	2	89	355	36	0	52	19	16	2	37	3	0	0	0	0		
2100	50	0	48	0	82	0	89	0	0	0	0	0	49	0	79	22	59	0	89	356	47	0	60	26	27	0	49	7	0	0	0	0		
2200	61	0	59	0	99	0	109	0	0	0	0	0	45	0	77	19	50	0	85	356	45	0	58	18	26	0	49	1	0	0	0	0		
2300	53	0	48	0	87	0	86	0	0	0	0	0	36	0	62	17	38	0	85	355	35	0	49	12	15	0	49	356	0	0	0	0		
2400	83	0	76	0	135	0	116	0	0	0	0	0	103	0	126	81	107	0	141	75	103	0	125	77	88	0	110	61	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MNAIR	S
100	712	0	705	0	762	0	757	0	320	0	320	0	52	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
200	705	0	699	0	752	0	746	0	320	0	320	0	48	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
300	676	0	669	0	759	0	753	0	320	0	320	0	84	0	84	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
400	698	0	692	0	784	0	779	0	320	0	320	0	86	0	86	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
500	705	0	699	0	768	0	764	0	320	0	320	0	66	0	66	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
600	694	0	687	0	782	0	746	0	320	0	320	0	59	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
700	723	0	719	0	746	0	741	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
800	771	0	766	0	765	0	750	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
900	777	0	771	0	764	0	761	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
1000	773	0	768	0	766	0	762	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
1100	782	0	777	0	779	0	775	0	320	0	320	0	-1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
1200	807	0	804	0	806	0	800	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
1300	831	0	827	0	819	0	807	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
1400	860	0	856	0	831	0	829	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
1500	892	0	890	0	837	0	822	0	320	0	320	0	-61	0	-63	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
1600	867	0	861	0	822	0	816	0	320	0	320	0	-41	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
1700	849	0	845	0	802	0	797	0	320	0	320	0	-45	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
1800	784	0	780	0	761	0	755	0	320	0	320	0	-21	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
1900	762	0	757	0	755	0	750	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
2000	735	0	730	2	737	2	732	2	320	0	320	0	3	0	3	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
2100	723	0	716	0	732	0	726	0	320	0	320	0	9	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
2200	717	0	712	0	735	0	717	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
2300	700	0	699	0	710	0	705	0	320	0	320	0	3	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				
2400	680	0	676	0	683	0	660	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0				

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S				50 B	S		150A	S		150B	S			S			S	
100	.23	0	.20	0	.39	0	.32	0	0	0	0	0	266	0	286	249	263	0	305	221	8	3	50	328	348	0	46	295	0	0	0	0
200	36	0	33	0	07	0	87	0	0	0	0	0	323	0	10	279	309	0	356	266	15	0	28	357	356	0	21	341	0	0	0	0
300	62	0	56	0	110	0	109	0	0	0	0	0	17	0	36	353	12	0	83	345	34	0	50	18	14	0	27	5	0	0	0	0
400	58	0	57	0	97	0	113	0	0	0	0	0	46	0	73	26	56	0	90	0	52	0	60	31	34	0	50	16	0	0	0	0
500	57	0	65	0	108	0	129	0	0	0	0	0	59	0	75	39	76	0	86	357	65	0	72	55	48	0	55	41	0	0	0	0
600	58	0	63	0	112	0	128	0	0	0	0	0	60	0	80	36	74	0	85	356	62	0	73	52	45	0	53	32	0	0	0	0
700	88	0	82	0	133	0	131	0	0	0	0	0	95	0	116	74	94	0	133	75	92	0	118	78	75	0	95	60	0	0	0	0
800	97	0	90	0	104	0	108	0	0	0	0	0	114	0	124	94	120	0	137	76	117	0	140	91	101	0	139	83	0	0	0	0
900	89	0	81	0	105	0	111	0	0	0	0	0	112	0	132	91	118	0	141	86	116	0	135	97	101	0	119	67	0	0	0	0
1000	37	0	38	0	89	0	64	0	0	0	0	0	90	0	175	9	99	0	175	3	94	0	169	48	81	0	154	25	0	0	0	0
1100	52	0	45	0	75	0	75	0	0	0	0	0	347	0	27	295	347	0	80	270	16	0	66	339	355	0	32	317	0	0	0	0
1200	76	0	70	0	101	0	102	0	0	0	0	0	337	0	21	296	330	0	34	275	359	0	12	331	336	0	353	295	0	0	0	0
1300	89	0	83	0	122	0	121	0	0	0	0	0	346	0	27	311	345	0	69	271	5	0	34	319	343	0	8	302	0	0	0	0
1400	62	0	57	0	124	0	114	0	0	0	0	0	8	0	59	271	12	0	134	297	11	0	70	328	352	0	125	310	0	0	0	0
1500	121	0	113	0	105	0	162	0	0	0	0	0	29	0	70	351	30	0	90	351	19	0	54	350	358	0	30	311	0	0	0	0
1600	119	0	111	0	154	0	154	0	0	0	0	0	32	0	58	357	32	0	92	348	27	0	54	355	7	0	33	330	0	0	0	0
1700	91	0	85	0	134	0	130	0	0	0	0	0	25	0	57	353	23	0	89	317	21	0	52	0	3	0	45	338	0	0	0	0
1800	72	0	67	0	98	0	88	0	0	0	0	0	31	0	86	3	34	0	85	356	29	0	63	352	10	0	40	324	0	0	0	0
1900	64	0	58	0	91	0	81	0	0	0	0	0	29	0	55	4	25	0	84	350	31	0	62	3	11	0	37	350	0	0	0	0
2000	54	0	50	0	102	0	101	0	0	0	0	0	37	0	68	14	40	0	85	356	36	0	55	28	16	0	41	5	0	0	0	0
2100	50	0	45	0	87	0	87	0	0	0	0	0	33	0	60	9	36	0	85	356	36	0	50	24	17	0	37	7	0	0	0	0
2200	54	0	48	0	94	0	95	0	0	0	0	0	29	0	40	20	32	0	85	356	38	0	50	29	20	0	30	9	0	0	0	0
2300	68	0	62	0	126	0	115	0	0	0	0	0	32	0	48	21	33	0	84	356	30	0	46	29	11	0	24	3	0	0	0	0
2400	50	0	47	0	105	0	108	0	0	0	0	0	47	0	69	33	63	0	85	356	49	0	54	43	29	0	32	25	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	MAIN
100	642	0	635	0	687	0	662	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
200	635	0	626	0	680	0	676	0	320	0	320	0	46	0	48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
300	653	0	645	0	678	0	671	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
400	658	0	651	0	680	0	674	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
500	626	0	620	0	680	0	674	0	320	0	320	0	54	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
600	635	0	629	0	685	0	662	0	320	0	320	0	30	0	30	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
700	654	0	649	0	695	0	695	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
800	707	0	701	0	692	0	687	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
900	766	0	762	0	752	0	746	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1000	824	0	822	0	797	0	789	0	320	0	320	0	-28	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1100	759	0	753	0	764	0	759	0	320	0	320	0	7	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1200	732	0	726	0	707	0	701	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1300	741	0	735	0	735	0	719	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1400	759	0	755	0	731	0	716	0	320	0	320	0	-36	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1500	746	0	743	0	723	0	717	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1600	770	0	766	0	750	0	746	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1700	753	0	748	0	737	0	732	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1800	764	0	761	0	743	0	737	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1900	734	0	728	0	733	0	717	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2000	705	0	698	0	727	0	712	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2100	690	0	681	0	699	0	692	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2200	672	0	663	0	690	0	685	0	320	0	320	0	19	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2300	683	0	674	0	701	0	698	0	320	0	320	0	19	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2400	662	0	656	0	698	0	692	0	320	0	320	0	37	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, S =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIRo
100	45	0	40	0	86	0	86	0	0	0	0	0	37	49	25	0	42	85	356	0	46	52	39	0	26	32	21	0	0	0	0	0	0
200	42	0	38	0	72	0	85	0	0	0	0	0	43	56	21	0	57	85	356	0	60	70	46	0	43	53	27	0	0	0	0	0	0
300	30	0	28	0	46	0	79	0	0	0	0	0	48	58	36	3	68	85	356	0	75	80	67	0	57	61	51	0	0	0	0	0	0
400	51	0	49	0	100	0	100	0	0	0	0	0	73	80	61	0	78	85	75	0	86	90	81	0	69	73	62	0	0	0	0	0	0
500	57	0	52	0	108	0	110	0	0	0	0	0	94	0	99	88	94	0	96	86	103	0	107	101	87	0	89	84	0	0	0	0	0
600	59	0	54	0	114	0	117	0	0	0	0	0	104	0	108	100	95	0	130	86	111	0	113	109	95	0	98	95	0	0	0	0	0
700	67	0	56	0	115	0	140	0	0	0	0	0	112	0	124	104	121	0	132	87	118	0	120	114	103	0	106	98	0	0	0	0	0
800	72	0	64	0	89	0	89	0	0	0	0	0	103	0	129	78	102	0	137	75	109	0	146	86	93	0	116	72	0	0	0	0	0
900	59	0	58	0	82	0	85	0	0	0	0	0	112	0	150	80	113	0	174	75	123	0	151	88	106	0	140	57	0	0	0	0	0
1000	58	0	54	0	77	0	80	0	0	0	0	0	112	0	156	41	113	0	176	33	128	0	171	92	117	0	157	86	0	0	0	0	0
1100	30	0	27	0	36	0	38	0	0	0	0	0	291	3	358	185	283	3	358	180	271	0	345	112	255	0	344	104	0	0	0	0	0
1200	53	0	47	0	61	0	62	0	0	0	0	0	331	0	10	276	327	0	6	270	354	0	21	315	333	0	358	301	0	0	0	0	0
1300	66	0	58	0	78	0	79	0	0	0	0	0	342	0	32	306	338	0	86	272	3	0	29	341	341	0	13	301	0	0	0	0	0
1400	61	0	57	0	80	0	80	0	0	0	0	0	337	0	25	284	335	0	6	270	355	0	42	339	333	0	7	311	0	0	0	0	0
1500	93	0	83	0	121	0	120	0	0	0	0	0	342	0	41	287	337	0	39	275	2	0	37	338	341	0	22	315	0	0	0	0	0
1600	65	0	58	0	89	0	87	0	0	0	0	0	346	0	28	283	341	0	37	270	0	0	27	305	340	0	29	288	0	0	0	0	0
1700	48	0	44	0	69	0	68	0	0	0	0	0	31	0	158	348	27	0	170	270	14	0	52	323	354	0	58	286	0	0	0	0	0
1800	37	0	34	0	49	0	61	0	0	0	0	0	24	0	163	275	27	0	165	315	5	0	74	292	347	0	33	285	0	0	0	0	0
1900	47	0	42	0	82	0	53	0	0	0	0	0	33	0	82	10	35	0	85	356	38	0	86	20	19	0	50	354	0	0	0	0	0
2000	26	0	25	0	48	0	58	0	0	0	0	0	48	3	77	15	60	3	86	356	61	0	72	55	43	0	52	37	0	0	0	0	0
2100	53	0	48	0	67	0	68	0	0	0	0	0	80	0	94	65	80	0	96	75	86	0	90	81	69	0	72	65	0	0	0	0	0
2200	57	0	50	0	76	0	76	0	0	0	0	0	83	0	103	75	83	0	96	75	92	0	97	90	76	0	79	72	0	0	0	0	0
2300	64	0	58	0	95	0	98	0	0	0	0	0	115	0	121	109	123	0	129	87	118	0	124	112	102	0	107	99	0	0	0	0	0
2400	55	0	54	0	90	0	97	0	0	0	0	0	136	0	150	123	137	0	175	125	144	0	146	142	129	0	130	128	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	663	0	656	0	681	0	676	0	320	0	320	0	19	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
200	651	0	642	0	683	0	678	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
300	649	0	642	0	683	0	680	0	320	0	320	0	36	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
400	622	0	617	0	683	0	678	0	320	0	320	0	61	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
500	645	0	635	0	690	0	687	0	320	0	320	0	46	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
600	626	0	618	0	685	0	680	0	320	0	320	0	59	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
700	653	0	647	0	690	0	685	0	320	0	320	0	37	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
800	719	0	716	0	701	0	696	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
900	773	0	770	0	746	0	741	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1000	802	0	798	0	771	0	768	0	320	0	320	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1100	824	0	818	0	809	0	807	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1200	822	0	818	0	786	0	782	0	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1300	825	0	822	0	802	0	798	0	320	0	320	0	-21	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1400	829	0	825	0	789	0	786	0	320	0	320	0	-37	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1500	791	0	786	0	770	0	766	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1600	802	0	798	0	777	0	773	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1700	836	0	834	0	795	0	789	0	320	0	320	0	-39	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1800	811	0	806	0	784	0	779	0	320	0	320	0	-27	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1900	784	0	779	0	777	0	771	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
2000	757	0	750	0	780	0	773	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
2100	741	0	734	0	782	0	777	0	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
2200	739	0	732	0	782	0	777	0	320	0	320	0	43	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
2300	728	0	721	0	777	0	771	0	320	0	320	0	50	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
2400	[redacted]	0	732	0	784	0	779	0	320	0	320	0	45	0	46	0	[redacted]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	[redacted]

STATU[redacted](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INV[redacted], 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1			WIND DIR2			WIND DIR3			WIND DIR4			WIND DIR5			WIND DIR6		
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S		MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX
														50 B			150A			150B						S			S		
100	47	0	45	0	150	0	115	0	0	0	0	0	168	0	220	122	168	0	231	120	194	0	200	189	178	0	186	172	0	0	0	0	0	0
200	42	0	37	0	152	0	141	0	0	0	0	0	195	0	244	149	197	0	259	119	207	0	217	195	193	0	200	180	0	0	0	0	0	0
300	71	0	52	0	176	0	160	0	0	0	0	0	206	0	263	161	203	0	260	131	213	0	219	206	199	0	209	186	0	0	0	0	0	0
400	61	0	49	0	147	0	130	0	0	0	0	0	201	0	256	164	204	0	260	136	208	0	215	197	194	0	203	180	0	0	0	0	0	0
500	63	0	47	0	155	0	139	0	0	0	0	0	201	0	244	162	202	0	260	131	212	0	220	202	197	0	206	187	0	0	0	0	0	0
600	63	0	45	0	145	0	146	0	0	0	0	0	196	0	256	149	196	0	231	136	225	0	245	208	210	0	232	195	0	0	0	0	0	0
700	76	0	57	0	148	0	149	0	0	0	0	0	213	0	252	171	215	0	264	176	225	0	243	198	211	0	224	196	0	0	0	0	0	0
800	67	0	53	0	137	0	111	0	0	0	0	0	220	0	269	179	216	0	264	123	219	0	257	186	206	0	244	172	0	0	0	0	0	0
900	99	0	84	0	127	0	133	0	0	0	0	0	235	0	279	195	233	0	320	180	235	0	261	213	219	0	247	191	0	0	0	0	0	0
1000	77	0	72	0	131	0	118	0	0	0	0	0	238	0	273	185	235	0	276	182	239	0	260	218	222	0	242	199	0	0	0	0	0	0
1100	84	0	79	0	101	0	108	0	0	0	0	0	247	0	274	210	243	0	276	180	243	0	269	214	227	0	256	199	0	0	0	0	0	0
1200	95	0	92	0	111	0	121	0	0	0	0	0	243	0	273	226	239	0	266	217	250	0	263	240	234	0	247	224	0	0	0	0	0	0
1300	86	0	81	0	105	0	115	0	0	0	0	0	266	0	292	234	262	0	305	214	267	0	290	252	250	0	258	202	0	0	0	0	0	0
1400	75	0	69	0	75	0	82	0	0	0	0	0	271	0	310	248	266	0	320	228	286	0	327	254	266	0	318	216	0	0	0	0	0	0
1500	58	0	50	0	63	0	69	0	0	0	0	0	301	0	358	276	291	0	354	215	295	0	315	274	274	0	300	239	0	0	0	0	0	0
1600	43	0	37	0	40	0	64	0	0	0	0	0	297	0	346	248	285	0	348	229	305	0	315	301	283	0	290	279	0	0	0	0	0	0
1700	32	0	25	0	44	0	48	0	0	0	0	0	299	0	343	255	291	3	354	228	290	0	310	268	269	0	294	255	0	0	0	0	0	0
1800	21	0	18	0	32	0	26	0	0	0	0	0	264	0	331	218	260	3	320	219	294	0	358	241	275	0	324	214	0	0	0	0	0	0
1900	18	0	10	0	31	0	26	0	0	0	0	0	211	0	247	177	210	0	247	175	241	0	264	220	226	0	242	203	0	0	0	0	0	0
2000	33	0	21	0	49	0	49	0	0	0	0	0	216	0	247	192	216	0	254	175	222	0	236	208	208	0	219	192	0	0	0	0	0	0
2100	60	0	48	0	138	0	114	0	0	0	0	0	210	0	248	158	208	0	264	140	213	0	229	196	199	0	213	183	0	0	0	0	0	0
2200	67	0	64	0	101	0	109	0	0	0	0	0	252	0	268	238	251	0	276	221	273	0	287	251	254	0	272	236	0	0	0	0	0	0
2300	48	0	31	0	92	0	94	0	0	0	0	0	204	0	228	167	203	0	226	172	225	0	236	218	210	0	217	203	0	0	0	0	0	0
2400	14	0	10	0	30	0	24	0	0	0	0	0	241	0	357	183	238	3	350	180	263	0	297	220	246	0	282	202	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		RAIN
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	717	0	710	0	204	0	798	0	320	0	320	0	88	0	88	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
200	710	0	705	0	723	0	768	0	320	0	320	0	69	0	69	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
300	732	0	725	0	709	0	786	0	320	0	320	0	59	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
400	726	0	721	0	706	0	761	0	320	0	320	0	39	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
500	728	0	723	0	706	0	762	0	320	0	320	0	39	0	39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
600	717	0	712	0	770	0	764	0	320	0	320	0	52	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
700	750	0	744	0	708	0	764	0	320	0	320	0	19	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
800	793	0	789	0	704	0	779	0	320	0	320	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
900	815	0	809	0	800	0	797	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1000	836	0	29	0	280	0	816	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1100	853	0	852	0	293	0	838	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1200	870	0	865	0	301	0	858	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1300	901	0	896	0	301	0	878	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1400	906	0	901	0	307	0	881	0	320	0	320	0	-18	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1500	944	0	941	0	296	0	890	0	320	0	320	0	-48	0	-48	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1600	946	0	944	0	285	0	879	0	320	0	320	0	-59	0	-61	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1700	937	0	932	0	299	0	894	0	320	0	320	0	-36	0	-37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1800	932	0	926	0	305	0	901	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
1900	903	0	896	0	296	0	888	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2000	874	0	865	0	279	0	872	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2100	849	0	842	0	261	0	856	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2200	764	0	757	0	275	0	768	0	320	0	320	0	12	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2300	788	0	780	0	231	0	825	0	320	0	320	0	45	0	46	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24
2400	759	0	753	0	703	0	748	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	55	0	42	0	151	0	136	0	0	0	0	0	203	0	264	133	202	0	268	133	209	0	220	197	194	0	209	184	0	0	0	0	0
200	89	0	75	0	145	0	150	0	0	0	0	0	230	0	271	182	230	0	285	180	230	0	263	209	213	0	243	186	0	0	0	0	0
300	102	0	92	0	154	0	160	0	0	0	0	0	232	0	262	172	228	0	264	176	235	0	256	208	218	0	237	175	0	0	0	0	0
400	82	0	76	0	131	0	141	0	0	0	0	0	238	0	261	213	233	0	265	210	242	0	262	220	225	0	247	202	0	0	0	0	0
500	49	0	42	0	72	0	76	0	0	0	0	0	240	0	294	205	238	0	276	180	230	0	260	209	214	0	243	188	0	0	0	0	0
600	55	0	49	0	73	0	75	0	0	0	0	0	335	0	13	295	328	0	39	270	332	0	18	294	310	0	352	275	0	0	0	0	0
700	15	0	14	0	29	0	34	0	0	0	0	0	249	0	339	198	244	3	351	180	259	0	292	238	239	0	272	219	0	0	0	0	0
800	32	0	28	0	34	0	38	0	0	0	0	0	247	0	299	202	244	3	300	181	244	0	274	195	228	0	257	191	0	0	0	0	0
900	36	0	32	0	52	0	52	0	0	0	0	0	235	0	282	180	237	0	276	185	225	0	266	183	209	0	240	171	0	0	0	0	0
1000	39	0	33	0	86	0	59	0	0	0	0	0	234	0	306	199	227	0	264	128	235	0	281	192	217	0	256	190	0	0	0	0	0
1100	22	0	16	0	44	0	39	0	0	0	0	0	207	0	263	102	207	3	265	91	207	0	258	157	193	0	246	145	0	0	0	0	0
1200	49	0	44	0	93	0	57	0	0	0	0	0	259	0	295	214	252	0	316	213	256	0	285	211	237	0	276	203	0	0	0	0	0
1300	45	0	40	0	60	0	53	0	0	0	0	0	289	0	337	239	281	0	350	220	294	0	317	231	273	0	298	238	0	0	0	0	0
1400	54	0	51	0	62	0	64	0	0	0	0	0	308	0	357	244	300	0	354	259	325	0	2	299	302	0	342	275	0	0	0	0	0
1500	29	0	24	0	32	0	32	0	0	0	0	0	343	3	178	272	348	3	95	270	8	0	90	307	350	0	59	294	0	0	0	0	0
1600	38	0	33	0	53	0	54	0	0	0	0	0	356	0	57	296	353	0	176	270	8	0	63	332	349	0	36	310	0	0	0	0	0
1700	53	0	51	0	79	0	78	0	0	0	0	0	15	0	72	326	15	0	86	309	15	0	44	337	355	0	43	304	0	0	0	0	0
1800	91	0	85	0	149	0	149	0	0	0	0	0	2	0	82	297	0	0	138	270	8	0	45	338	348	0	31	317	0	0	0	0	0
1900	81	0	78	0	105	0	109	0	0	0	0	0	43	0	102	13	46	0	92	356	43	0	85	15	23	0	61	347	0	0	0	0	0
2000	58	0	55	0	78	0	86	0	0	0	0	0	87	0	106	73	85	0	129	75	78	0	88	67	60	0	74	49	0	0	0	0	0
2100	57	0	50	0	90	0	92	0	0	0	0	0	108	0	126	84	107	0	135	79	110	0	118	97	93	0	104	76	0	0	0	0	0
2200	71	0	61	0	97	0	99	0	0	0	0	0	106	0	140	86	103	0	135	75	110	0	122	98	95	0	107	78	0	0	0	0	0
2300	64	0	56	0	88	0	91	0	0	0	0	0	106	0	130	90	103	0	136	75	113	0	135	96	98	0	118	83	0	0	0	0	0
2400	64	0	57	0	98	0	99	0	0	0	0	0	101	0	117	74	96	0	136	75	107	0	118	92	91	0	107	78	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	MAIN
100	782	0	775	0	802	0	797	0	320	0	320	0	21	0	21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
200	793	0	788	0	793	0	788	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
300	793	0	788	0	789	0	786	0	320	0	320	0	-1	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
400	780	0	773	0	780	0	775	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
500	771	0	764	0	771	0	766	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
600	730	0	725	0	737	0	732	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
700	732	0	725	0	732	0	726	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
800	791	0	788	0	775	0	770	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
900	780	0	775	0	782	0	757	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1000	777	0	771	0	782	0	757	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1100	800	0	797	0	797	0	771	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1200	811	0	807	0	797	0	791	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1300	858	0	856	0	832	0	820	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1400	849	0	845	0	807	0	809	0	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1500	813	0	813	0	797	0	791	0	320	0	320	0	-19	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1600	795	0	788	0	777	0	771	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	24
1700	752	0	746	0	744	0	739	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	25
1800	712	0	707	0	698	0	692	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	25
1900	705	0	698	0	696	0	690	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	26
2000	699	0	692	0	701	0	696	0	320	0	320	0	1	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	35
2100	705	0	699	0	703	0	699	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	37
2200	709	0	703	0	703	0	698	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	36
2300	701	0	696	0	698	0	692	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	39
2400	701	0	696	0	696	0	690	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	41

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1		WIND SPD2		WIND SPD3		WIND SPD4		WIND SPD5		WIND SPD6		WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN	MAX	WIND DIR4		MIN	MAX	WIND DIR5		MIN	MAX	WIND DIRe	
	50 A	S	50 B	S	150A	S	150B	S		S	50 A	S			50 B	S			150A	S			150B	S				S				S	
100	70	0	63	0	98	0	100	0	0	0	0	0	100	0	120	77	96	0	140	28	105	0	133	91	88	0	106	75	0	0	0	0	0	0
200	67	0	61	0	94	0	96	0	0	0	0	0	106	0	132	71	103	0	136	75	110	0	134	85	95	0	120	76	0	0	0	0	0	0
300	85	0	79	0	131	0	110	0	0	0	0	0	95	0	115	74	91	0	118	75	97	0	120	76	81	0	103	60	0	0	0	0	0	0
400	75	0	68	0	96	0	99	0	0	0	0	0	99	0	131	72	92	0	135	75	101	0	124	82	84	0	112	65	0	0	0	0	0	0
500	82	0	75	0	107	0	109	0	0	0	0	0	101	0	120	68	92	0	165	84	103	0	133	81	86	0	103	65	0	0	0	0	0	0
600	95	0	89	0	138	0	118	0	0	0	0	0	92	0	114	68	91	0	143	86	93	0	115	76	76	0	100	60	0	0	0	0	0	0
700	94	0	88	0	135	0	130	0	0	0	0	0	87	0	116	61	91	0	174	86	84	0	103	68	67	0	89	40	0	0	0	0	0	0
800	97	0	91	0	138	0	130	0	0	0	0	0	100	0	141	83	94	0	174	52	100	0	119	82	84	0	104	60	0	0	0	0	0	0
900	102	0	90	0	130	0	135	0	0	0	0	0	103	0	127	79	94	0	160	86	103	0	129	77	88	0	107	65	0	0	0	0	0	0
1000	113	0	105	0	144	0	144	0	0	0	0	0	104	0	127	77	95	0	160	85	108	0	126	82	94	0	117	69	0	0	0	0	0	0
1100	94	0	89	0	138	0	129	0	0	0	0	0	95	0	135	70	91	0	141	80	95	0	116	67	80	0	110	58	0	0	0	0	0	0
1200	81	0	75	0	113	0	114	0	0	0	0	0	99	0	147	63	93	0	174	75	100	0	131	78	83	0	115	59	0	0	0	0	0	0
1300	96	0	87	0	132	0	131	0	0	0	0	0	100	0	132	70	91	0	169	75	102	0	125	79	87	0	108	65	0	0	0	0	0	0
1400	108	0	100	0	141	0	147	0	000		0	0	97	0	125	80	92	0	136	77	102	0	119	80	86	0	103	61	0	0	0	0	0	0
1500	107	0	100	0	139	0	145	0	0	0	0	0	99	0	20	65	94	0	146	75	106	0	125	84	91	0	114	63	0	0	0	0	0	0
1600	120	0	110	0	165	0	156	0	0	0	0	0	102	0	125	80	98	0	137	76	107	0	129	76	90	0	118	60	0	0	0	0	0	0
1700	124	0	115	0	174	0	176	0	0	0	0	0	98	0	123	73	94	0	137	75	103	0	128	76	88	0	111	68	0	0	0	0	0	0
1800	126	0	115	0	174	0	176	0	0	0	0	0	100	0	133	74	95	0	144	75	107	0	133	85	93	0	116	70	0	0	0	0	0	0
1900	91	0	84	0	130	0	131	0	0	0	0	0	103	0	130	75	98	0	141	75	108	0	135	87	94	0	117	71	0	0	0	0	0	0
2000	104	0	96	0	140	0	146	0	0	0	0	0	110	0	128	84	101	0	166	76	115	0	138	84	101	0	123	72	0	0	0	0	0	0
2100	110	0	98	0	136	0	138	0	0	0	0	0	105	0	130	81	94	0	140	81	108	0	126	77	95	0	117	73	0	0	0	0	0	0
2200	142	0	133	0	182	0	186	0	0	0	0	0	113	0	141	82	101	0	173	77	115	0	132	96	101	0	119	86	0	0	0	0	0	0
2300	142	0	134	0	176	0	183	0	0	0	0	0	117	0	135	101	107	0	174	86	121	0	146	101	108	0	124	81	0	0	0	0	0	0
2400	138	0	130	0	179	0	182	0	0	0	0	0	115	0	143	93	103	0	173	86	118	0	146	97	104	0	122	85	0	0	0	0	0	0

	AMB. TEM1		AMB. TEM2		AMB. TEM3		AMB. TEM4		AMB. TEM5		AMB. TEMP6		D.T. 1		D.T. 2		D.T. 3		D.T. 4		MISC 1		MISC 2		MISC 3		MISC 4		MISC 5		MISC 6		MISC 7		
	30 A	S	30 B	S	180A	S	180B	S		S		S	180A	S	180B	S		S		S		S		S		S		S		S		S	
100	698	0	692	0	692	0	687	0	320	0	320	0	-5	0	-6	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	698	0	690	0	690	0	687	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	667	0	662	0	660	0	656	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	662	0	654	0	654	0	649	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	649	0	642	0	640	0	635	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	640	0	635	0	631	0	626	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	617	0	611	0	606	0	600	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	620	0	615	0	613	0	606	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	642	0	636	0	637	0	620	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	651	0	645	0	646	0	631	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	654	0	649	0	642	0	636	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	649	0	644	0	638	0	633	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	658	0	653	0	647	0	644	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	674	0	669	0	662	0	656	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	683	0	680	0	672	0	667	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	689	0	683	0	674	0	669	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	685	0	680	0	672	0	667	0	320	0	320	0	-12	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	687	0	681	0	674	0	669	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	683	0	676	0	671	0	665	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	672	0	665	0	665	0	660	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	667	0	660	0	658	0	653	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	658	0	654	0	651	0	645	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	656	0	649	0	647	0	642	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	651	0	644	0	642	0	636	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT-DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN. MAX. 50 B	S	WIND DIR2	MIN. MAX. 150A	S	WIND DIR3	MIN MAX 150B	S	WIND DIR4	MIN. MAX. DIR5	S	MIN. MAX.	S	WIND DIR6
100	104	0	95	0	134	0	140	0	0	0	0	0	116	0 135	100	102	0 169	86	120	0 140	97	105	0 123	84	0 0	0	0	
200	103	0	92	0	139	0	145	0	0	0	0	0	109	0 123	86	97	0 166	84	111	0 124	81	97	0 113	63	0 0	0	0	
300	76	0	65	0	111	0	114	0	0	0	0	0	108	0 126	86	95	0 172	86	112	0 138	89	97	0 117	80	0 0	0	0	
400	78	0	68	0	96	0	101	0	0	0	0	0	116	0 130	77	102	0 173	86	121	0 159	90	107	0 125	81	0 0	0	0	
500	103	0	94	0	136	0	138	0	0	0	0	0	114	0 130	89	99	0 156	86	115	0 135	95	102	0 132	75	0 0	0	0	
600	91	0	81	0	131	0	126	0	0	0	0	0	113	0 138	85	101	0 169	86	120	0 153	87	106	0 130	75	0 0	0	0	
700	118	0	109	0	150	0	157	0	0	0	0	0	116	0 138	93	106	0 175	86	121	0 135	107	107	0 122	89	0 0	0	0	
800	116	0	115	0	154	0	158	0	0	0	0	0	119	0 149	87	109	0 173	84	130	0 155	105	117	0 154	89	0 0	0	0	
900	128	0	125	0	170	0	180	0	0	0	0	0	124	0 160	93	117	0 173	78	131	0 151	115	120	0 139	104	0 0	0	0	
1000	120	0	114	0	160	0	196	0	0	0	0	0	127	0 161	93	124	0 177	86	139	0 166	118	126	0 150	106	0 0	0	0	
1100	105	0	97	0	150	0	155	0	0	0	0	0	123	0 159	83	121	0 174	79	137	0 165	115	125	0 152	99	0 0	0	0	
1200	165	0	160	0	204	0	212	0	0	0	0	0	122	0 155	108	115	0 172	83	126	0 149	101	116	0 138	86	0 0	0	0	
1300	119	0	111	0	170	0	175	0	0	0	0	0	127	0 177	87	124	0 179	77	140	0 168	108	129	0 156	97	0 0	0	0	
1400	125	0	118	0	175	0	186	0	0	0	0	0	122	0 210	94	119	0 175	74	132	0 167	106	121	0 151	98	0 0	0	0	
1500	143	0	138	0	187	0	197	0	0	0	0	0	125	0 155	100	122	0 174	84	134	0 189	113	123	0 167	95	0 0	0	0	
1600	151	0	152	0	210	0	216	0	0	0	0	0	123	0 162	100	120	0 175	91	130	0 149	107	120	0 143	96	0 0	0	0	
1700	147	0	150	0	218	0	225	0	0	0	0	0	126	0 162	98	121	0 172	86	138	0 168	106	127	0 156	95	0 0	0	0	
1800	111	0	112	0	169	0	177	0	0	0	0	0	126	0 187	98	123	0 175	82	139	0 156	121	128	0 150	107	0 0	0	0	
1900	106	0	105	0	153	0	162	0	0	0	0	0	129	0 163	106	129	0 177	86	136	0 166	115	125	0 146	108	0 0	0	0	
2000	87	0	84	0	134	0	139	0	0	0	0	0	124	0 148	101	124	0 170	86	140	0 156	120	128	0 144	108	0 0	0	0	
2100	96	0	94	0	136	0	141	0	0	0	0	0	121	0 163	98	123	0 174	82	137	0 156	118	125	0 141	101	0 0	0	0	
2200	109	0	109	0	179	0	185	0	0	0	0	0	126	0 170	102	123	0 174	86	141	0 157	116	130	0 153	112	0 0	0	0	
2300	114	0	109	0	182	0	186	0	0	0	0	0	126	0 161	104	120	0 175	75	142	0 167	116	130	0 155	109	0 0	0	0	
2400	93	0	91	0	182	0	190	0	0	0	0	0	139	0 196	91	128	0 176	6	153	0 174	124	141	0 160	122	0 0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 50A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	645	0	638	0	638	0	633	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
200	642	0	635	0	635	0	629	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
300	640	0	633	0	633	0	627	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
400	640	0	635	0	633	0	629	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
500	638	0	633	0	629	0	626	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
600	633	0	627	0	626	0	620	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
700	631	0	627	0	624	0	618	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
800	644	0	638	0	633	0	626	0	320	0	320	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
900	663	0	658	0	654	0	640	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
1000	680	0	674	0	660	0	656	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
1100	710	0	705	0	687	0	678	0	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
1200	696	0	690	0	681	0	676	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
1300	714	0	708	0	690	0	685	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
1400	725	0	721	0	705	0	699	0	320	0	320	0	-21	0	-21	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
1500	743	0	739	0	723	0	717	0	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
1600	737	0	732	0	719	0	714	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
1700	743	0	737	0	726	0	721	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
1800	746	0	741	0	730	0	725	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
1900	735	0	728	0	736	0	721	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
2000	728	0	721	0	721	0	716	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
2100	719	0	714	0	714	0	708	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
2200	709	0	703	0	703	0	698	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
2300	703	0	698	0	696	0	690	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
2400	[illegible]	0	698	0	698	0	692	0	320	0	320	0	-5	0	-5	0	[illegible]	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0

STATUS(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INV[illegible], 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	99	0	92	0	187	0	191	0	0	0	0	0	140	0	206	104	144	0	231	91	162	0	198	133	149	0	168	120	0	0	0	0	0	0	0
200	80	0	75	0	166	0	164	0	0	0	0	0	137	0	192	99	138	0	210	92	156	0	174	140	144	0	159	128	0	0	0	0	0	0	0
300	80	0	79	0	150	0	156	0	0	0	0	0	132	0	167	94	128	0	175	84	153	0	169	129	142	0	157	124	0	0	0	0	0	0	0
400	76	0	76	0	135	0	163	0	0	0	0	0	141	0	173	99	134	0	177	80	163	0	178	145	151	0	164	130	0	0	0	0	0	0	0
500	72	0	72	0	144	0	156	0	0	0	0	0	154	0	240	100	157	0	231	90	166	1	197	144	154	0	187	133	0	0	0	0	0	0	0
600	71	0	63	0	141	0	139	0	0	0	0	0	149	0	193	98	144	0	227	90	168	0	199	137	155	0	181	127	0	0	0	0	0	0	0
700	56	0	50	0	124	0	107	0	0	0	0	0	171	0	236	127	169	0	264	90	185	0	218	163	170	0	209	145	0	0	0	0	0	0	0
800	64	0	52	0	141	0	106	0	0	0	0	0	180	0	260	93	185	0	263	90	189	0	216	163	175	0	199	144	0	0	0	0	0	0	0
900	59	0	47	0	131	0	97	0	0	0	0	0	204	0	267	110	200	0	261	111	205	0	260	169	189	0	223	157	0	0	0	0	0	0	0
1000	72	0	64	0	105	0	107	0	0	0	0	0	234	0	272	186	232	0	269	176	227	0	257	169	212	0	254	175	0	0	0	0	0	0	0
1100	79	0	73	0	105	0	112	0	0	0	0	0	246	0	274	213	242	0	276	210	240	0	260	215	224	0	245	192	0	0	0	0	0	0	0
1200	93	0	88	0	105	0	113	0	0	0	0	0	245	0	263	189	242	0	266	185	246	0	265	209	230	0	250	196	0	0	0	0	0	0	0
1300	83	0	77	0	133	0	140	0	0	0	0	0	250	0	279	221	246	0	271	181	259	0	282	216	244	0	270	209	0	0	0	0	0	0	0
1400	92	0	87	0	161	0	170	0	0	0	0	0	250	0	277	225	247	0	277	209	259	0	299	237	249	0	296	223	0	0	0	0	0	0	0
1500	104	0	98	0	165	0	173	0	0	0	0	0	251	0	279	219	250	0	276	214	258	0	274	230	242	0	254	230	0	0	0	0	0	0	0
1600	99	0	89	0	150	0	158	0	0	0	0	0	248	0	278	214	243	0	275	180	254	0	278	233	238	0	254	225	0	0	0	0	0	0	0
1700	107	0	101	0	152	0	162	0	0	0	0	0	246	0	275	209	242	0	275	210	251	0	279	223	234	0	248	213	0	0	0	0	0	0	0
1800	102	0	96	0	156	0	166	0	0	0	0	0	245	0	281	198	242	0	272	186	247	0	267	212	232	0	250	206	0	0	0	0	0	0	0
1900	98	0	93	0	147	0	159	0	0	0	0	0	241	0	285	202	237	0	271	209	241	0	262	218	225	0	247	187	0	0	0	0	0	0	0
2000	55	0	45	0	103	0	92	0	0	0	0	0	223	0	252	183	219	0	264	169	217	0	231	204	203	0	213	191	0	0	0	0	0	0	0
2100	92	0	79	0	144	0	150	0	0	0	0	0	227	0	266	200	225	0	269	176	227	0	248	202	212	0	233	189	0	0	0	0	0	0	0
2200	96	0	82	0	162	0	154	0	0	0	0	0	223	0	267	174	219	0	260	190	221	0	254	200	207	0	226	190	0	0	0	0	0	0	0
2300	67	0	56	0	130	0	120	0	0	0	0	0	212	0	255	138	211	0	267	119	217	0	240	194	203	0	229	179	0	0	0	0	0	0	0
2400	54	0	42	0	132	0	115	0	0	0	0	0	195	0	267	141	192	0	265	90	207	0	225	189	192	0	212	170	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN
100	696	0	689	0	692	0	689	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51
200	690	0	683	0	685	0	680	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51
300	690	0	685	0	685	0	680	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51
400	689	0	681	0	683	0	678	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51
500	685	0	680	0	680	0	674	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	52
600	676	0	669	0	671	0	667	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	50
700	676	0	671	0	671	0	667	0	320	0	320	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
800	689	0	683	0	685	0	678	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
900	712	0	707	0	698	0	692	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
1000	730	0	725	0	712	0	708	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
1100	753	0	748	0	734	0	730	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
1200	757	0	752	0	744	0	741	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
1300	768	0	762	0	760	0	748	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
1400	761	0	755	0	747	0	755	0	320	0	320	0	-3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
1500	771	0	766	0	760	0	766	0	320	0	320	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
1600	791	0	786	0	780	0	777	0	320	0	320	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
1700	795	0	789	0	791	0	788	0	320	0	320	0	-1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
1800	800	0	795	0	797	0	791	0	320	0	320	0	-3	0	-1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
1900	797	0	791	0	798	0	793	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
2000	782	0	777	0	793	0	788	0	320	0	320	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
2100	784	0	777	0	784	0	779	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
2200	782	0	777	0	784	0	779	0	320	0	320	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
2300	755	0	748	0	761	0	755	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72
2400	734	0	726	0	744	0	739	0	320	0	320	0	10	0	12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

BASPRO BASE DATA INQUIRY SERVICE 07/18/83 23: 0

C. PROCESS CONTROL PROGRAM (PCP) CHANGES

INDIANA & MICHIGAN
ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

Instruction or Procedure Temporary Sheet

This temporary sheet applies to Radioactive Waste Process Control Manual Instruction or Procedure No. 12 PMP 3150 PCP.001 Revision No. 2	TEMPORARY SHEET NO. TP-1

The following change (X) new requirement ( ) shall be instituted effective (Date) May 4, 1983.

PJ 1 of 1

1.1 Replace page 12 with page 12 TP-1.

2.1 Replace page 15 with page 15 TP-1.

Revise List of Effective Pages to reflect these changes.

Page 12 change is a result of a NRC request pursuant with accepting the PCP as required by the RETS.

Page 15 change is a result of Richland Burial Site criteria.

REFERENCE COPY ONLY
NO REVISIONS TO BE ISSUED

This change should be made a permanent revision to the Instruction or Procedure:

☒ YES ☐ NO ☐ NOT KNOWN, additional review required

Expiration Date: With Procedure Revision
Originator: William F. Scott, II W. F. Scott, II
Management Staff: W. F. Scott, II
Senior Reactor Operator: C. E. Murphy
PNSRC [signature] Date 5/11/83
Plant Manager W. [signature] Date 5/11/83

Standard Dist. List No.:
Distribution: All Holders of 12 PMP 3150 PCP.001

Form No. 4330 REVISED 7/78

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PINK — WORKING COPY

FORM NO. PMI 2010-4 REV. 2

Donald C. Cook Nuclear Plant • Units 1 & 2

Semi-Annual Radioactive Effluent Release Report

July 1, through December 31, 1984

Indiana & Michigan Electric Company
Bridgman, Michigan

Docket Nos. 50-315 & 50-316
License Nos. DPR-58 & DPR-74

AMERICAN ELECTRIC
AEP
POWER SYSTEM

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I. INTRODUCTION

This report discusses the radioactive discharges from Units 1 and 2 of the Donald C. Cook Nuclear Plant during the second half of 1984, according to Section 6.9.1.9 of "Appendix A" Technical Specifications for the Facility Operating License.

Unit 1:

During this reporting period, Unit 1 of the Donald C. Cook Nuclear Plant generated 3,906,410 Mwh Gross of electrical energy out of a total of 7,875,600 Mwh for 1984. The Monthly Operating Reports indicate that during 1984, Unit 1 was operating at a Unit Service Factor of 91.3% and at an average Unit Capacity Factor of 84.3%.

Unit 1 entered this reporting period operating at 100% power. On July 27, 1984, the unit was removed from service to perform required ice condenser surveillance and to repair leaking pressurizer safety valves. The unit was returned to service on August 11, 1984. On August 14, 1984, a reactor trip with train "A" safety injection occurred due to a failure of vital A.C. Instrument Bus, CRID IV, Inverter. The inverter was replaced and the unit was returned to service on August 15, 1984. Unit 1 experienced no major shutdown during the rest of the reporting period.

Unit 2:

Unit 2 generated 3,765,640 Mwh Gross of electrical energy during the last six months of 1984 out of a total of 5,558,820 Mwh for 1984. During 1984, Unit 2 operated at an 59.2% Unit Service Factor and at an average Unit Capacity Factor of 57.6%.

Unit 2 entered this reporting period in Mode 3 in the process of unit startup following a scheduled Cycle IV-V refueling and maintenance outage. The unit was returned to service on July 11, 1984 and reached 100% reactor power on July 19, 1984. On August 5, 1984, Unit 2 tripped due to a failure of vital instrument bus CRID II Inverter. Following the CRID II repairs, the unit was returned to service on August 7, 1984. Unit 2 tripped on September 17, 1984 due to the failure of vital A.C. instrument bus, CRID III inverter. The inverter was repaired and the unit returned to service on September 12, 1984. The unit was tripped again during the power ascension following the previous trip. The cause of this trip was High-High water level in No. 2 steam generator. The unit was returned to service again in the same day. On November 11, 1984, Unit 2 was manually tripped due to decreasing pressurizer pressure caused by a pressurizer spray valve problems. The

unit was returned to service on November 13, 1984. Unit 2 tripped automatically on November 19, 1984 due to steam flow/feedwater flow mismatch coincident with low steam generator level. The unit was returned to service on November 21, 1984. Unit 2 was shutdown on December 14, 1984 for a scheduled ice condenser surveillance outage. The unit remained in cold shutdown, Mode 5, for the remainder of the reporting period.

II. RADIOACTIVE RELEASES

Since a number of release points are common to both Units, the release data from both Units were combined to form this two-Unit, Semi-Annual Radioactive Release Report. Appendix 1 presents this information in accordance with Section 6.9.1.9 of Appendix A to the Facility Operating License (Environmental Technical Specifications). As in reports preceding this one, the effluents were well within the limits set forth in the Technical Specifications and Appendix I to 10 CFR Part 50.

III. RADIOLOGICAL IMPACT ON MAN

Maximum individual doses were calculated using the measured effluents and meteorological data given in Appendices 1 and 2 of this report, respectively.

Liquid Releases:

The liquid releases consisted of 65 Batch releases in the third quarter and 49 Batch releases in the fourth quarter of 1984. These releases were treated as continuous releases for the purpose of dose calculations. The estimated doses in millirems to individuals from the liquid pathways are given in Appendices 1.2 and 1.3.

Gaseous Releases:

The gaseous releases consisted of 19 Batch releases in the third quarter and 19 Batch releases in the fourth quarters of 1984. Doses were estimated for the Batch and continuous releases during each of the two quarters using the measured meteorological data at the times of the releases. The estimated doses in millirems to individuals through the gaseous pathways are listed in Appendices 1.2 and 1.3.

IV. METEOROLOGICAL DATA

Appendices 2.1 and 2.2 contain the cumulative joint-frequency distribution of wind speed and wind direction corresponding to various atmospheric stability classes for both quarters. The meteorological conditions during the last six months of 1984 are also furnished in Appendix 2.3.

V. PROCESS CONTROL PROGRAM (PCP) CHANGES

The Radioactive Waste Process Control Manual 12 PMP 3150 PCP.001 was changed during the report period and these changes are included as Change Sheet Nos. 4-5. The reasons for the changes and PNSRC approval are documented on the cover sheet. These changes did not reduce the overall conformance of the solidified waste product to existing criteria for solid wastes.

VI. OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

The Offsite Dose Calculation Manual was completely rewritten to conform to the Donald C. Cook Nuclear Plant procedure format. The major changes to the ODCM are listed below:

1. Designation of the Technical Physical Sciences Department as the implementing agency and assignment of the Radiation Protection Section as the reviewing agency.

2. References to source documents, and detailed procedures deriving from, the ODCM.

3. All figures and tables were deleted from the main body of the text and added as information sheets.

4. Information Sheet 3.6 "Plant Liquid Effluent Parameters" was updated for the radwaste evaporators (Table I-6 in the previous version).

5. Information Sheet 3.10 was modified to reflect present plant structure (Figure I-1 in the previous edition).

6. Information Sheet 3.16 was modified to reflect present plant structure (Figure II-1 in the previous edition).

7. The mixture of steam and water during use of Steam Generator Blowdown system as identified as 70% liquid and 30% steam in Section 4.2.2.

8. The values for X/Q and D/Q were updated, Information Sheets 3.24 and 3.25.

9. Equation added to determine the amount of I-131 in the secondary coolant system that will not violate dose release limits.

10. The equations for establishing alarm setpoint values for the gaseous radiation monitors were changed.

11. The characteristics and functions of the gaseous effluent monitors were changed from Westinghouse to Eberline, Section 4.6 and information sheets 3.17 through 3.22 (Section II.1 and Tables II-1 through II-4 in the previous edition).

PNSRC approval of the procedure is documented on the procedure cover sheet. Change Sheet No. 1 was also written during the report period. The reason for the change and PNSRC approval is documented on the change sheet. These changes do not reduce the accuracy or reliability of dose calculations or setpoint determinations.

VII. TOTAL DOSE

Technical Specification 3.11.4 requires the dose or dose commitment to a real individual from all uranium fuel cycle sources be limited to $\leq$25 mrem to the total body or any organ over a period of 12 consecutive months to show conformance with 40 CFR 190. The maximum cumulative dose to an individual from liquid and gaseous effluents during 1984 was well within Technical Specification 3.11.4. Measurements using thermoluminescent dosimeters at 10 background stations in the 4-5 mile plant radius indicate the dose due to direct radiation is negligible.

VIII. CONCLUSIONS

Based on the information presented in this report, it is concluded that the Units performed their intended design function without causing any hazard to the health and safety of the general public.

APPENDIX 1.1

RADIOACTIVE RELEASE DATA

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2nd Half 1984

Supplemental Information

Facility: D.C. Cook Plant
Licensee: Indiana & Michigan Electric Company

1. Regulatory Limits

A. Noble Gases

The air dose in unrestricted areas due to noble gases released in gaseous effluents shall be limited to the following:

1. During any calendar quarter, to $\leq$ 5 mrad for gamma radiation and $\leq$ 10 mrad for beta radiation;

2. During any calendar year, to $\leq$ 10 mrad for gamma radiation and $\leq$ 20 mrad for beta radiation.

B. Iodines - Particulates

The dose to a member of the public from radioiodines, radioactive materials in particulate form, and radionuclides other than noble gases with half-lives greater than 8 days in gaseous effluents released to unrestricted areas shall be limited to the following:

1. During any calendar quarter to $\leq$ 7.5 mrem to any organ;

2. During any calendar year to $\leq$ 15 mrem to any organ.

C. Liquid Effluents

The dose or dose commitment to an individual from radioactive material in liquid effluents released to unrestricted areas shall be limited:

1. During any calendar quarter to $\leq$ 1.5 mrem to the total body and to $\leq$ 5 mrem to any organ, and:

2. During any calendar year to $\leq$ 3 mrem to the total body and to $\leq$ 10 mrem to any organ.

D. Total Dose

The dose or dose committment to a real individual from all uranium fuel cycle sources is limited to $\leq$ 25 mrem to the total body or any organ (except the thyroid, which is limited to $\leq$ 75 mrem) over a period of 12 consecutive months.

2. Maximum Permissable Concentrations

A. Gaseous Effluents

The dose rate due to radioactive materials released in gaseous effluents from the site shall be limited to the following:

1. For noble gases: $\leq$ 500 mrem/yr to the total body and $\leq$ 3000 mrem/yr to the skin, and:

2. For all radioiodines and for all radioactive materials in particulate form and radionuclides (other than noble gases) with half-lives greater than 8 days: $\leq$ 1500 mrem/yr to any organ.

The above limits are provided to insure that radioactive material discharged in gaseous effluents will not result in the exposure of an individual in an unrestricted area to annual average concentrations exceeding the limits in 10 CFR Part 20, Appendix B, Table II.

B. Liquid Effluents

The concentration of radioactive material released at any time from the site to unrestricted areas shall be limited to the concentrations specified in 10 CFR Part 20, Appendix B, Table II, Column 2, for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to 2×10^{-4} µCi/ml total activity.

3. Average Energy

The average energy ($\bar{E}$) of the radionuclide mixture in releases of fission and activation gases is not applicable per Regulatory Guide 1.21 Appendix B Section A.3.

4. Measurements and Approximations of Total Radioactivity

A. Fission and Activation Gases

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

B. Iodines

Sampled on an activated carbon filter or silver zeolite cartridge and analyzed on a 4096 channel analyzer and Ge(Li) detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Ge(Li) detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

65 releases in the 3rd quarter, 1984
49 releases in the 4th quarter, 1984

2. Total time period for batch releases:

17406 minutes

3. Maximum time for a batch release:

282 minutes

4. Average time period for batch release:

153 minutes

5. Minimum time period for a batch release:

75 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

742,456 gpm circulating water

B. Gaseous

1. Number of batch releases:

19 in 3rd quarter, 1984
19 in 4th quarter, 1984

2. Total time period of batch releases:

2704 minutes

3. Maximum time period for a batch release:

193 minutes

4. Average time period for batch releases:

71 minutes

5. Minimum time period for a batch release:

13 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

3rd Quarter	4th Quarter
0	0

2. Total activity released:

3rd Quarter	4th Quarter
0	0

B. Gaseous

1. Number of Releases:

3rd Quarter	4th Quarter
0	0

2. Total activity released:

3rd Quarter	4th Quarter
0	0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND HALF 1984

GASEOUS EFFLUENTS - ELEVATED RELEASE

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		3RD QUARTER	4TH QUARTER	3RD QUARTER	4TH QUARTER
1. FISSION GASES					
Krypton-85	Ci	4.80 E-2		1.16 E+1	3.17 E+1
Krypton-85M	Ci	3.25 E-2	8.65 E-2	4.21 E-2	
Krypton-87	Ci	1.79 E-2	6.94 E-2		
Krypton-88	Ci	1.27 E-2	9.67 E-2		
Xenon-133	Ci	9.78 E+2	1.44 E+3	7.31 E+1	4.31 E+2
Xenon-135	Ci	5.53 E+1	3.81 E+1	4.51 E-1	5.06 E-1
Xenon-135M	Ci				
Xenon-138	Ci	5.73 E-3	1.93 E-2		
Xenon-133M	Ci	1.10 E+1	5.39 E O	2.34 E-1	3.72 E O
Xenon-131M	Ci	1.03 E-2	3.26 E-2	2.74 E O	3.19 E O
Argon-41	Ci	1.95 E-1	2.43 E-1	1.72 E-4	
Total for Period	Ci	1.04 E+3	1.48 E+3	8.82 E+1	4.70 E+2
2. IODINES					
Iodine-131	Ci	6.16 E-3	2.97 E-4	7.02 E-5	3.13 E-5
Iodine-133	Ci	4.84 E-4	3.18 E-4	8.39 E-6	4.65 E-5
Iodine-135	Ci				
Total for Period	Ci	6.64 E-3	6.15 E-4	7.86 E-5	7.78 E-5
3. PARTICULATES					
Strontium-89	Ci		6.92 E-7		
Strontium-90	Ci				
Cesium-134	Ci	4.81 E-4	4.01 E-4	1.53 E-5	1.50 E-6
Cesium-137	Ci	7.16 E-4	6.04 E-4	1.53 E-5	4.29 E-6
Iron-59	Ci				
Cobalt-58	Ci	6.67 E-4	5.51 E-4	4.29 E-6	2.22 E-6
Cobalt-60	Ci	1.11 E-3	6.48 E-4	7.48 E-6	4.03 E-6
Manganese-54	Ci	1.13 E-4	4.30 E-5		
Zinc-65	Ci				
Mobybdenum-99	Ci				
Cerium-139	Ci		4.90 E-6		
Cerium-144	Ci				
Zirconium-Nb-95	Ci	3.58 E-5	4.30 E-5	4.56 E-7	
Total for Period	Ci	3.12 E-3	2.30 E-3	4.28 E-5	1.20 E-5

Page 1 of 1
Revision 0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND HALF 1984

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Units	3RD QUARTER	4TH QUARTER	Est. Total Error, %
A. FISSION AND ACTIVATION GASES				
1. Total release	Ci.	1.13 E+3	1.95 E+3	32.3
2. Average release rate for period.	µCi/sec	1.42 E+2	2.45 E+2	
3. Percent of Technical Specification (T/S 3.11.2.2) limit.	% γ	3.54 E O	9.48 E O	
	% β	4.58 E O	1.49 E 1	
B. IODINES				
1. Total Iodine-131	Ci	6.23 E-3	3.28 E-4	8.6
2. Average release rate for period.	µCi/Sec	7.84 E-4	4.13 E-5	
3. Percent of Technical Specification (T/S 3.11.2.3) limit.	%	1.87 E O	3.13 E-1	
C. PARTICULATES				
1. Particulates with half-lives > 8 days.	Ci	3.16 E-3	2.31 E-3	33.7
2. Average release rate for period.	µCi/sec	3.98 E-4	2.91 E-4	
3. Percent of Technical Specification (T/S 3.11.2.3) limit.	%	1.87 E O	3.13 E-1	
4. Gross alpha radioactivity.	Ci	<5.59 E-5	<6.09 E-5	
D. TRITIUM				
1. Total release.	Ci	4.53 E+1	3.79 E O	1.2
2. Average release rate for period.	µCi/sec	5.70 E 0	4.77 E-1	
3. Percent of Technical Specification (10 CFR 20).	%	3.71 E+1	3.30 E O	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND HALF 1984

LIQUID EFFLUENTS

Nuclides Released		BATCH MODE 3RD Quarter	BATCH MODE 4TH Quarter	CONTINUOUS MODE 3RD Quarter	CONTINUOUS MODE 4TH Quarter
Strontium - 92	Ci	1.74 E-3	2.25 E-3		
Strontium-89	Ci	1.13 E-5	*		2.29 E-4
Strontium-90	Ci	1.31 E-5	*		
Cesium-134	Ci	6.85 E-3	3.78 E-2	2.12 E-3	2.28 E-3
Cesium-137	Ci	1.53 E-2	4.85 E-2	5.74 E-3	2.96 E-3
Iodine-131	Ci	2.04 E-3	2.71 E-3	1.18 E-3	3.23 E-5
Strontium - 85	Ci		8.48 E-5		
Iron - 55	Ci	9.84 E-4	*		9.19 E-3
Cobalt-58	Ci	6.30 E-2	5.36 E-2	4.39 E-2	7.63 E-3
Cobalt-60	Ci	4.43 E-2	5.28 E-2	1.72 E-2	9.47 E-3
Iron-59	Ci	5.69 E-5			
Zinc-65	Ci	7.31 E-4	5.34 E-4		
Manganese-54	Ci	1.79 E-3	2.21 E-3	2.92 E-4	3.32 E-4
Chromium-51	Ci	2.86 E-3	2.51 E-3		
Antimony - 124	Ci		1.71 E-5		
Antimony - 125	Ci		3.14 E-4		8.34 E-5
Zirconium-Niobium-95	Ci	3.14 E-3	2.79 E-3	8.47 E-4	6.77 E-4
Molybdenum-99	Ci				
Technetium-99M	Ci				
Barium-Lanthanum-140	Ci				
Cerium-141	Ci				
Tin - 113	Ci	1.01 E-4			
Cesium-136	Ci				
Sodium-24	Ci				
Iodine-133	Ci			8.00 E-4	2.90 E-5
Cobalt-57	Ci	7.42 E-5	2.32 E-4		
Zirconium-97	Ci	7.36 E-5	4.31 E-5		
Silver-110M	Ci	4.94 E-3	5.48 E-3		
Cerium-144	Ci				
Krypton - 85	Ci	6.46 E-3	1.91 E-2		
Xenon-133	Ci	6.77 E 0	2.77 E 0	5.22 E-2	5.56 E-3
Xenon-131M	Ci	5.27 E-4			
Xenon-133M	Ci	1.13 E-1	2.20 E-2		
Xenon-135	Ci	2.30 E-1	5.06 E-3	1.49 E-5	1.49 E-5
Argon-41	Ci				
Krypton - 85m	Ci	7.72 E-4			

* Analysis results were unavailable at the time of submittal.

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND HALF 1984

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	BATCH		CONTINUOUS		Est. Total Error, %
		Quarter 3	Quarter 4	Quarter 3	Quarter 4	
A. FISSION AND ACTIVATION PRODUCTS						
1. Total Release (Not including Tritium, Alpha, Gases)	Ci	2.18 E-1	2.88 E-1	7.21E-2	3.29 E-2	5.91
2. Average diluted concentration during period.	µCi/ml	7.45 E-9	1.46 E-8	8.43E-11	3.83 E-11	
3. Percent of applicable Tech. Spec. 3.11.1.1 limit.	%	3.69 E-2	9.29E-2	7.41E-4	1.21E-4	
B. TRITIUM						
1. Total Release	Ci	4.32 E+2	5.59E+2	6.44E-1	7.06E-1	0.24
2. Average diluted concentration during period.	µCi/ml	1.47 E-5	2.84E-5	7.53E-10	8.21E-10	
3. Percent of applicable Tech. Spec. 3.11.1.1 limit.	%	4.91 E-1	9.46E-1	2.51E-5	2.74E-5	
C. DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	7.12 E 0	2.82 E 0	5.22E-2	5.57E-3	5.54
2. Average diluted concentration during period.	µCi/ml	2.43 E-7	1.43E-7	6.11E-11	6.48E-12	
3. Percent of applicable Tech. Spec. 3.11.1.1 limit.	%	1.22 E-1	7.16E-2	3.05E-5	3.24E-6	

	UNIT	BATCH		CONTINUOUS		Est. Total Error, %
		Quarter 3	Quarter 4	Quarter 3	Quarter 4	
D. GROSS ALPHA RADIOACTIVITY						
1. Total Release	ci	<3.16E-3	<2.28E-3	NA	NA	NA
E. VOLUME OF WASTE RELEASED	Liters	4.43E+6	3.77E+6	1.94E+8	1.99E+8	2.00
F. VOLUME OF DILUTION WATER USED DURING PERIOD	Liters	2.93E+10	1.97 E+10	8 .55E+11	8.60E+11	3.48

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND HALF 19

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite for Burial or Disposal

1.

Type of Waste	Unit	6 month Period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m^3 Ci	1.11 E+2 1.32 E+2	1 E 0 4 E 0
b. Dry compressible waste, contaminated equipment, etc.	m^3 Ci	1.17 E+2 1.86 E 0	1 E 0 2 E 0
c. Irradiated components, control rods, etc.	m^3 Ci		
d. Other	m^3 Ci		

2. Estimate of Major Nuclide Composition

a.	CS-137	20 %	NI-63	27 %
	CS-134	15 %		
	CO-58	28 %		
	CO-60	10 %		
b.	CO-60	6 %		
	CO-58	50 %		
	CS-137	24 %		
	CS-134	20%		

3. Solid Waste Disposition

No. of Shipments	Mode of Transportation	Destination
15	Truck	Barnwell, SC
2	Truck	Richland, WA

4. Type of Containers Used for Shipment
Resins - Type A Dry non-compressible - strong tight
Evaporator Bottoms - strong tight
Dry compressible waste - spec. 7A
All were shipped marked Radioactive LSA

5. Solidification Agent

Evaporator bottoms are solidified in cement

RELEASE NUMBER	START DATE STOP DATE	START TIME STOP TIME	H-3	I-131	I-133	Xe-133	Xe-133M	Xe-135	Kr-85	Xe-131M	Co-60	Co-58	Cs-137	Cs-134	Zr-Nb-95	Kr-85M	Ar-41
G-84-26	07-03-84 07-03-84	0430 0525	3.77 E-4			6.95 E-1	3.71 E-3		9.30 E-1	2.30 E-1	3.86 E-7	3.65E-7			3.06 E-7		
G-84-27	07-06-84 07-06-84	1805 1908	1.79 E-4			3.37 EO			9.56 E-1								
G-84-28	07-06-84 07-06-84	2220 2320	2.96 E-4			4.03 EO		5.06 E-3	1.66 EO	1.67 E-1	1.22 E-7	1.07 E-7					
G-84-29	07-07-84 07-07-84	1212 1308	6.34 E-4			5.19 EO				2.97 E-1	1.34 E-7	1.29 E-7	1.09 E-7		7.57 E-8		
G-84-30	07-07-84 07-07-84	1628 1732	1.43 E-3			6.52 EO			9.77 E-1	2.90 E-1	2.71 E-7	7.00 E-7					
G-84-31	07-10-84 07-11-84	2314 0008	3.94 E-4			3.31 EO					7.53 E-8	4.45 E-8	3.56 E-8				
G-84-32	07-11-84 07-11-84	1251 1354	1.07 E-3			7.02 EO	5.47 E-2			2.11 E-1	1.07 E-7						
G-84-33	07-12-84 07-12-84	1055 1200	4.44 E-4			4.34 EO			9.60 E-1	2.56 E-1	1.44 E-7	8.39 E-8					
G-84-34	07-16-84 07-16-84	1430 1540	3.45 E-4			2.86 EO				1.43 E-1	1.32 E-7		1.21 E-7	1.03 E-7			
G-84-35	07-17-84 07-17-84	1209 1315	6.87 E-5			6.27 E-1	4.79 E-3	9.65 E-4	1.06 EO	2.33 E-1	1.37 E-7						
G-84-36	07-17-84 07-17-84	1721 1818	2.08 E-4			1.91 EO			8.28 E-1		1.96 E-7	1.83 E-7			7.45 E-8		
G-84-37	07-18-84 07-18-84	0404 0504	2.11 E-3			5.29 EO	3.95 E-2	3.74 E-3	1.20 EO	1.46 E-1	3.36 E-6						
G-84-38	NOT RELEASED																
G-84-39	NOT RELEASED																
G-84-40	NOT RELEASED																
G-84-41	07-28-84 08-07-84	1924 1555	7.44 E-2	4.25 E-5	8.39 E-6	1.19 E+1	1.27 E-1	4.21 E-1			1.87 E-6	8.67 E-7	1.39 E-5	1.46 E-5		4.21 E-2	
G-84-42	NOT RELEASED																
G-84-43	08-11-84 08-11-84	0037 0155	1.04 E-3	2.96 E-6		6.01 EO					3.55 E-8						
G-84-44	08-11-84 08-11-84	0535 0650	1.27 E-4	5.89 E-7		3.86 E-1	4.00 E-4		9.60 E-1	8.43 E-2	1.03 E-7	2.14E-7	8.16 E-8				
G-84-45	08-14-84 08-14-84	2108 2235	4.58 E-4	1.75 E-6		6.00 EO				2.97 E-1							
G-84-46	NOT RELEASED																
G-84-47	08-17-84 08-18-84	2216 0129	4.99 E-4	2.22 E-5		1.18 EO	3.06 E-3	2.32 E-3	1.05 EO	3.51 E-1	1.17 E-7	6.16 E-7	1.10 E-7	8.42 E-8			1.72 E-4
G-84-48	09-19-84 09-19-84	1159 1342	8.62 E-3			2.21 EO		1.80 E-2				2.61 E-7	2.32 E-7				

RELEASE NUMBER	STARTDATE STOP DATE	STARTTIME STOP TIME	H-3	I-131	I-133	Xe-133	Xe-133m	Xe-135	Kr-85	Xe-131m	Co-60	Co-58	Cs-137	Cs-134	Zr-Nb-95	Kr-85m	Ar-41
G-84-49	09-21-84 09-21-84	0059 0211	3.49 E-4	1.91 E-7		2.27 E-1	7.05 E-4	8.46 E-5	1.05 E0	3.35 E-2	7.39E-8	6.17 E-8					
G-84-50	09-28-84 09-28-84	2108 2204	1.22 E-4			6.69 E-5					2.21E-7	6.61 E-7	6.61 E-7	5.32 E-7			

RELEASE NUMBER	START DATE / STOP DATE	START TIME / STOP TIME	H-3	I-131	I-133	Xe-133	Xe-133m	Xe-135	Kr-85	Xe-131m	Co-60	Co-58	Cs-137	Cs-134	
G-84-51	10-04-84 10-04-84	1129 1244	4.27E-4			1.14E0	1.81E-3	1.44E-3	1.67E0	3.12E-1	1.90E-7	1.42E-7			
G-84-52	10-09-84 10-09-84	2030 2122	1.79E-3			2.61E0		6.84E-3			2.89E-7				
G-84-53	11-04-84 11-04-84	0130 0300	4.35E-4			5.30E-1					2.12E-7	2.49E-7	1.31E-7		
G-84-54	11-02-84 11-02-84	1805 1932	3.67E-5			1.65E-1	3.21E-4	2.58E-4	1.51E0	3.70E-2	4.17E-8	4.02E-8			
G-84-55	11-15-84 11-15-84	2053 2254	5.05E-5			4.85E-2	3.39E-4	5.28E-4	1.54E0	1.30E-2	5.55E-8	3.75E-8			
G-84-56	11-29-84 11-29-84	1711 1830	9.29E-5			4.38E-1	6.47E-3	1.79E-2	1.77E0	3.70E-2			4.59E-8		
G-84-57	12-02-84 12-02-84	1244 1349	9.50E-4			8.47E-1	1.10E-2	1.10E-2	1.88E0	2.90E-1			9.15E-8	5.20E-8	
G-84-58	NOT RELEASED														
G-84-59	12-11-84 12-11-84	0840 0955	1.02E-4			3.96E-1	3.00E-3	2.59E-3	2.55E0	2.10E-1	1.23E-7				
G-84-60	12-14-84 12-14-84	2027 2040	1.70E-5	2.31E-8		1.38E-1			8.97E-2	7.17E-3	3.03E-9		2.11E-9		
G-84-61	12-15-84 12-15-84	1104 1204	7.40E-4			2.89E0						9.46E-8	1.38E-7	1.16E-7	
G-84-62	12-15-84 12-15-84	0535 0655	6.32E-4			1.15E+1			2.28E0	6.21E-1	1.09E-7	1.03E-7	1.32E-7	9.76E-8	
G-84-63	12-15-84 12-23-84	2220 1430	5.86E-2	1.96E-5	4.63E-5	5.76E-1	9.23E-3	2.46E-2			2.13E-6		1.65E-6		
G-84-64	12-16-84 12-16-84	0144 0246	2.70E-4			8.31E-1		8.33E-5	2.52E0	3.45E-1					
G-84-65	12-16-84 12-16-84	2133 2230	2.47E-4	1.27E-7	1.67E-7	1.29E+1			1.99E0	7.75E-1					
G-84-66	12-17-84 12-17-84	0722 0830	7.93E-4	3.47E-7		1.10E+2	3.41E-1		5.72E0				6.53E-8		
G-84-67	12-17-84 12-17-84	1240 1338	7.57E-3			1.17E+2	1.60E0	1.39E-1	1.12E0						
G-84-68	12-17-84 12-17-84	1640 1801	3.32E-3			7.86E+1	9.19E-1	2.58E-1	2.64E0						
G-84-69	12-19-84 12-19-84	0450 0604	3.96E-3	3.13E-7		7.64E+1	7.93E-1	3.51E-2	2.44E0				5.46E-8		
G-84-70	12-22-84 12-22-84	0640 0734	8.69E-4	5.83E-7		6.09E0	3.42E-2		4.86E-1	2.32E-1					
G-84-71	12-25-84 01-02-85	0453 0000	1.89E-2	1.01E-5		2.26E-2					8.74E-7	1.55E-6	1.98E-6	1.23E-6	
G-84-72	12-30-84 12-30-84	0100 0153	3.86E-4	1.91E-7		7.38E0		8.80E-3	1.45E0	3.06E-1					

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1984

YEARLY RELEASE RATES

I. Gases

A. Fission and Activation Gases	Units	
1. Total Release	ci	3.50 E+3
2. Average Release Rate	μ ci/sec	1.11 E+2
3. % of Technical Specification Limits	γ %	7.34 E 0
	β %	1.11 E+1

B. Iodines		
1. Total Iodine-131 Released	ci	1.18 E-2
2. Average Release Rate	μ ci/sec	3.74 E-4
3. % of Technical Specification Limit	%	1.72 E 0

C. Particulates		
1. Total Release	ci	9.13 E-3
2. Average Release Rate	μ ci/sec	2.90 E-4
3. % of Technical Specification Limit	%	1.72 E 0

II. Liquids

A. Fission and Activation Products - Batch Releases		
1. Total Release	ci	9.23 E-1
2. Average Diluted Concentration	μci/ml	1.25 E-8
3. % of Technical Specification Limit — Total Body	%	1.76 E+1
Liver	%	7.30 E 0

APPENDIX 1.2

SUMMARY OF MAXIMUM INDIVIDUAL DOSES FOR THIRD QUARTER OF 1984

The following distances were used in the calculation of the maximum individual doses:

SECTOR - DIRECTION	SITE BOUNDARY (METERS)	NEAREST RESIDENCE (METERS
B - NNE	617	814
C - NE	789	1052
D - ENE	1497	1852
E - E	1274	1705
F - ESE	972	1628
G - SE	629	914
H - SSE	594	1093
J - S	594	863
K - SSW	629	770

SUMMARY OF MAXIMUM INDIVIDUAL DOSES - 3RD QUARTER 1984

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERLY LIMIT (MR)
Liquid	Total Body	6.95 E-2	Adult	Receptor 1	4.63	1.5
Liquid	Liver	9.38 E-2	Teen	Receptor 1	1.88	5.0
Noble Gas	Air Dose (Gamma-mrad)	1.77 E-1	All	617 NNE	3.54	5.0
Noble Gas	Air Dose (Beta-mrad)	4.58 E-1	All	617 NNE	4.58	10.0
Noble Gas	Total Body	4.21 E-2	All	814 NNE	0.84	Yearly 5.0
Noble Gas	Skin	1.18 E-1	All	814 NNE	0.79	Yearly 15.0
Iodines and Particulates	Thyroid	1.40 E-1	Child	814 NNE	1.87	7.5

FOR RECEPTOR NUMBER 1

TOTAL LIQUID DOSE ACCUMULATIONS(REM)
START DATE 84 63024 END DATE 84 93024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	3.4E-07	8.9E-06	8.7E-06	9.1E-06	8.5E-06	8.3E-06	9.0E-06	0.0E+00
TEEN	3.3E-07	6.4E-06	6.1E-06	6.6E-06	6.0E-06	5.9E-06	6.3E-06	0.0E+00
CHILD	9.7E-07	1.2E-05	1.2E-05	1.3E-05	1.2E-05	1.1E-05	1.2E-05	0.0E+00
INFANT	1.0E-06	1.2E-05	1.1E-05	1.4E-05	1.1E-05	1.1E-05	1.1E-05	0.0E+00
SHORE								
ADULT	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.3E-07
TEEN	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	7.5E-07
CHILD	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.6E-07
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
FW SPT FISH								
ADULT	5.1E-05	8.4E-05	6.1E-05	1.5E-06	2.0E-05	9.8E-06	2.8E-06	0.0E+00
TEEN	5.4E-05	8.7E-05	3.4E-05	1.3E-06	2.0E-05	1.1E-05	2.0E-05	0.0E+00
CHILD	6.0E-05	7.6E-05	1.4E-05	1.2E-06	2.5E-05	9.1E-06	7.3E-06	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

ENTER: [RETURN] CONTINUE,[SO] START OVER,[EX] EXIT

TOTAL LIQUID DOSE ACCUMULATIONS(REM)
START DATE 84 63024 END DATE 84 93024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
TOTAL								
ADULT	5.2E-05	9.3E-05	6.9E-05	1.1E-05	3.7E-05	1.8E-05	3.7E-05	1.3E-07
TEEN	5.5E-05	9.4E-05	4.1E-05	8.5E-06	3.6E-05	1.8E-05	2.7E-05	7.5E-07
CHILD	6.9E-05	8.9E-05	2.5E-05	1.4E-05	3.6E-05	2.8E-05	1.9E-05	1.6E-07
INFANT	1.8E-06	1.2E-05	1.1E-05	1.4E-05	1.1E-05	1.1E-05	1.1E-05	0.0E+00

ENTER: [N] RECEPTOR NUMBER (1-5)
[EX] EXIT
[RETURN] GO BACK TO PREVIOUS OPTION

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DOSE TYPE
ENTER: [GA]     GAMMA
       [BE]     BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
GA
DATES OF TOTAL AIR DOSE ACCUMULATION ARE FROM 84 7 1 1 0 TO 84 93024 0
DOSE ACCUMULATION FOR GAMMA        RAD
**DIRECTION FROM  N
 4.6110E-05    5.3061E-06    2.6870E-06    1.6626E-06    1.1814E-06
 6.0200E-07    2.4676E-07    1.2744E-07    8.3641E-08    5.3681E-08
**DIRECTION FROM NNE
 6.1454E-05    6.7273E-06    3.4038E-06    2.1273E-06    1.5262E-06
 7.9268E-07    3.2833E-07    1.6837E-07    1.0979E-07    7.1078E-08
**DIRECTION FROM NE
 9.3168E-05    1.1597E-05    5.6308E-06    3.4173E-06    2.4133E-06
 1.2107E-06    4.8741E-07    2.4645E-07    1.5978E-07    1.0143E-07
**DIRECTION FROM ENE
 7.2847E-05    8.4421E-06    4.2546E-06    2.6487E-06    1.8988E-06
 9.7333E-07    3.9869E-07    2.0265E-07    1.3135E-07    8.4333E-08
**DIRECTION FROM  E
 1.1488E-04    1.3558E-05    6.7458E-06    4.1562E-06    2.9652E-06
 1.5249E-06    6.1919E-07    3.1176E-07    2.0079E-07    1.2836E-07
**DIRECTION FROM ESE
 1.3984E-04    1.4756E-05    7.6321E-06    4.8243E-06    3.4694E-06
 1.8833E-06    7.4584E-07    3.7831E-07    2.4429E-07    1.5779E-07
**DIRECTION FROM SE
 1.8167E-04    1.8651E-05    5.6767E-06    3.6899E-06    2.6129E-06
 1.3748E-06    5.7447E-07    2.9079E-07    1.8737E-07    1.2161E-07
**DIRECTION FROM SSE
 1.2548E-04    1.3816E-05    7.1477E-06    4.5132E-06    3.2658E-06
 1.7838E-06    7.8754E-07    3.5749E-07    2.3038E-07    1.4893E-07
**DIRECTION FROM  S
 1.1285E-04    1.3656E-05    6.8014E-06    4.1027E-06    2.9872E-06
 1.5921E-06    6.2227E-07    3.1431E-07    2.0299E-07    1.2971E-07
**DIRECTION FROM SSW
 1.7038E-04    2.1318E-05    1.0765E-05    6.7823E-06    4.7856E-06
 2.4507E-06    1.0850E-06    5.9058E-07    3.2947E-07    2.1108E-07
**DIRECTION FROM SW
 1.4012E-04    1.8211E-05    8.5729E-06    5.0088E-06    3.5673E-06
 1.7807E-06    6.8932E-07    3.4857E-07    2.2376E-07    1.4824E-07
**DIRECTION FROM WSW
 1.6972E-04    2.1544E-05    1.0123E-05    5.9973E-06    4.2057E-06
 2.1839E-06    8.1958E-07    4.0701E-07    2.6168E-07    1.6385E-07
**DIRECTION FROM  W
 6.4423E-05    6.3743E-06    3.1816E-06    1.8908E-06    1.3350E-06
 6.7541E-07    2.7822E-07    1.3658E-07    8.8264E-08    5.6888E-08
**DIRECTION FROM WNW
 3.8748E-05    4.7337E-06    2.2327E-06    1.3270E-06    9.3623E-07
 4.7408E-07    1.8770E-07    9.5836E-08    6.1611E-08    3.9826E-08
**DIRECTION FROM NW
 7.2381E-05    9.0657E-06    4.3908E-06    2.6686E-06    1.8871E-06
 9.6689E-07    3.8421E-07    1.9557E-07    1.2728E-07    8.0843E-08
**DIRECTION FROM NNW
 3.1507E-05    3.2983E-06    1.5657E-06    9.4191E-07    6.6948E-07
 3.4448E-07    1.4020E-07    7.3182E-08    4.8286E-08    3.1285E-08
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4828.0  5630.0  7248.0
 12067.0 24135.0 40225.0 56315.0 80500.0
ENTER: [RETURN] WHEN READY TO CONTINUE
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DOSE TYPE
ENTER: [GA]    GAMMA
       [BE]    BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
BE
DATES OF TOTAL AIR DOSE ACCUMULATION ARE FROM 84 7 1 1 0 TO 84 93824 0
DOSE ACCUMULATION FOR BETA          RAD
**DIRECTION FROM  N
 1.2206E-04    1.4708E-05    7.3321E-06    4.5283E-06    3.2091E-06
 1.6356E-06    6.6711E-07    3.4367E-07    2.2520E-07    1.4430E-07
**DIRECTION FROM NNE
 1.8052E-04    2.0135E-05    1.0281E-05    6.3818E-06    4.5785E-06
 2.3642E-06    9.7756E-07    5.0143E-07    3.2710E-07    2.1136E-07
**DIRECTION FROM NE
 2.4584E-04    3.0645E-05    1.4886E-05    9.0370E-06    6.3821E-06
 3.2253E-06    1.2892E-06    6.5190E-07    4.2245E-07    2.6831E-07
**DIRECTION FROM ENE
 2.8041E-04    2.3476E-05    1.1816E-05    7.3433E-06    5.2488E-06
 2.6027E-06    1.1011E-06    5.5958E-07    3.6260E-07    2.3260E-07
**DIRECTION FROM  E
 2.0771E-04    3.5176E-05    1.7496E-05    1.0776E-05    7.6865E-06
 3.0510E-06    1.6840E-06    8.0753E-07    5.2004E-07    3.3241E-07
**DIRECTION FROM ESE
 3.4668E-04    3.8358E-05    1.9827E-05    1.2527E-05    9.0078E-06
 4.8790E-06    1.9374E-06    9.8143E-07    6.3370E-07    4.0928E-07
**DIRECTION FROM SE
 2.8521E-04    2.8498E-05    1.4830E-05    9.4286E-06    6.8216E-06
 3.5861E-06    1.4978E-06    7.5783E-07    4.8847E-07    3.1691E-07
**DIRECTION FROM SSE
 3.2563E-04    3.5038E-05    1.8578E-05    1.1710E-05    8.4514E-06
 4.4285E-06    1.8348E-06    9.2698E-07    5.9716E-07    3.8685E-07
**DIRECTION FROM  S
 3.8248E-04    3.8385E-05    1.8158E-05    1.1288E-05    7.9912E-06
 4.1834E-06    1.6688E-06    8.4202E-07    5.4432E-07    3.4987E-07
**DIRECTION FROM SSW
 4.8318E-04    5.5888E-05    2.7821E-05    1.7317E-05    1.2364E-05
 6.3548E-06    2.5970E-06    1.3159E-06    8.5895E-07    5.4514E-07
**DIRECTION FROM SW
 3.6626E-04    4.7674E-05    2.2429E-05    1.3388E-05    9.3458E-06
 4.8988E-06    1.8337E-06    9.1458E-07    5.8724E-07    3.6918E-07
**DIRECTION FROM WSW
 4.4176E-04    5.5081E-05    2.6318E-05    1.6592E-05    1.0934E-05
 5.4687E-06    2.1209E-06    1.0688E-06    6.7974E-07    4.2573E-07
**DIRECTION FROM  W
 1.5089E-04    1.8422E-05    8.8519E-06    5.5497E-06    3.9362E-06
 2.0016E-06    8.0690E-07    4.0721E-07    2.6313E-07    1.6774E-07
**DIRECTION FROM WNW
 1.8079E-04    1.2262E-05    5.7808E-06    3.4466E-06    2.4312E-06
 1.2321E-06    4.8883E-07    2.4772E-07    1.6874E-07    1.0191E-07
**DIRECTION FROM NW
 1.9848E-04    2.3877E-05    1.1572E-05    7.0138E-06    4.9599E-06
 2.5160E-06    1.0108E-06    5.1481E-07    3.3438E-07    2.1245E-07
**DIRECTION FROM NNW
 1.0072E-04    1.0027E-05    5.2234E-06    3.1531E-06    2.2382E-06
 1.1474E-06    4.6576E-07    2.4158E-07    1.5004E-07    1.0241E-07
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4820.0  5630.0  7240.0
 12867.0 24135.0 40225.0 56315.0 80500.0
ENTER: [RETURN] WHEN READY TO CONTINUE
```

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 7 1 1 THRU 84 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.4E-05	1.2E-04
TEEN	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.4E-05	1.2E-04
CHILD	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.4E-05	1.2E-04
INFNT	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.4E-05	1.2E-04
GROUND PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	2.2E-05
TEEN	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	2.2E-05
CHILD	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	2.2E-05
INFNT	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	2.2E-05
VEGET PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	5.4E-06	2.3E-06	4.2E-06	7.2E-06	2.6E-06	6.1E-05	7.7E-07	1.3E-08
TEEN	4.7E-06	2.3E-06	6.4E-06	1.1E-05	3.8E-06	5.0E-05	1.4E-06	1.5E-08
CHILD	3.0E-06	1.5E-06	1.5E-05	1.8E-05	5.0E-06	7.6E-05	2.0E-06	2.3E-08
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NNE								
ADULT	1.4E-08	1.7E-08	0.4E-09	1.7E-08	6.1E-09	1.6E-07	1.8E-09	7.4E-11
TEEN	6.7E-09	0.0E-09	7.7E-09	1.4E-08	4.8E-09	1.2E-07	1.6E-09	4.4E-11
CHILD	5.4E-09	4.8E-09	1.4E-08	1.7E-08	6.0E-09	1.8E-07	1.9E-09	5.4E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD NNE								
ADULT	0.0E-08	0.2E-09	0.1E-08	1.4E-07	6.3E-08	4.2E-06	1.4E-08	1.7E-10
TEEN	1.0E-07	1.2E-08	1.5E-07	2.4E-07	1.1E-07	6.7E-06	2.8E-08	2.2E-10
CHILD	8.8E-08	8.6E-09	3.5E-07	4.0E-07	1.0E-07	1.3E-05	4.2E-08	3.4E-10
INFNT	1.0E-07	0.3E-09	5.7E-07	7.0E-07	2.0E-07	3.2E-05	7.4E-08	5.2E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD NNE								
ADULT	2.0E-07	1.2E-08	2.3E-07	3.0E-07	1.5E-07	5.1E-06	4.1E-08	3.4E-10
TEEN	2.0E-07	1.5E-08	4.1E-07	6.0E-07	2.6E-07	8.0E-06	8.3E-08	4.4E-10
CHILD	2.2E-07	1.2E-08	0.7E-07	1.1E-06	4.2E-07	1.6E-05	1.2E-07	6.0E-10
INFNT	2.3E-07	1.2E-08	1.6E-06	2.2E-06	6.8E-07	3.8E-05	2.2E-07	1.1E-09
INHAL PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	1.5E-07	8.6E-08	1.2E-07	2.1E-07	1.3E-07	1.2E-05	1.3E-06	7.3E-09
TEEN	1.3E-07	8.0E-08	1.7E-07	2.8E-07	1.7E-07	1.5E-05	1.9E-06	7.3E-09
CHILD	7.7E-08	3.4E-08	2.3E-07	2.6E-07	1.6E-07	1.7E-05	1.6E-06	6.5E-09
INFNT	3.0E-08	1.3E-08	1.6E-07	2.0E-07	9.8E-08	1.5E-05	1.0E-06	3.7E-09

ENTER (C) TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 7 1 1 THRU 84 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.5E-05	6.6E-05
TEEN	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.5E-05	6.6E-05
CHILD	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.5E-05	6.6E-05
INFNT	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.5E-05	6.6E-05
GROUND PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05
TEEN	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05
CHILD	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05
INFNT	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05
VEGET PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	2.0E-06	1.4E-06	2.3E-06	3.0E-06	1.5E-06	4.3E-05	4.1E-07	7.8E-09
TEEN	2.5E-06	1.4E-06	3.6E-06	6.0E-06	2.1E-06	3.6E-05	7.3E-07	8.0E-09
CHILD	2.2E-06	9.4E-07	8.1E-06	9.6E-06	3.2E-06	5.4E-05	1.1E-06	1.2E-08
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NE								
ADULT	1.1E-08	1.6E-08	7.0E-09	1.4E-08	5.3E-09	1.0E-07	1.5E-09	5.7E-11
TEEN	5.0E-09	9.5E-09	6.5E-09	1.1E-08	4.2E-09	1.3E-07	1.3E-09	3.4E-11
CHILD	4.0E-09	4.3E-09	1.2E-08	1.4E-08	5.2E-09	1.0E-07	1.5E-09	4.1E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD NE								
ADULT	8.3E-08	8.8E-08	8.9E-08	1.2E-07	5.8E-08	4.6E-06	1.1E-08	1.3E-10
TEEN	8.6E-08	1.1E-08	1.2E-07	2.0E-07	1.0E-07	7.2E-06	2.3E-08	1.6E-10
CHILD	7.8E-08	8.3E-09	3.0E-07	3.4E-07	1.7E-07	1.4E-05	3.4E-08	2.6E-10
INFNT	0.6E-08	7.0E-09	4.0E-07	6.7E-07	2.7E-07	3.5E-06	6.1E-08	3.0E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD NE								
ADULT	2.3E-07	1.1E-08	1.0E-07	3.2E-07	1.3E-07	5.5E-06	3.4E-08	2.6E-10
TEEN	2.3E-07	1.4E-08	3.4E-07	5.6E-07	2.3E-07	8.7E-06	6.8E-08	3.4E-10
CHILD	1.0E-07	1.1E-08	8.1E-07	9.5E-07	3.7E-07	1.7E-05	1.0E-07	5.3E-10
INFNT	2.0E-07	1.1E-08	1.3E-06	1.8E-06	5.0E-07	4.2E-05	1.8E-07	8.1E-10
INHAL PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	6.0E-08	4.0E-08	5.5E-08	9.3E-08	5.0E-08	5.8E-06	6.8E-07	3.0E-09
TEEN	5.0E-08	3.7E-08	7.7E-08	1.2E-07	7.8E-08	7.2E-06	8.7E-07	3.0E-09
CHILD	3.6E-08	1.6E-08	1.0E-07	1.2E-07	7.2E-08	8.0E-06	7.1E-07	3.4E-09
INFNT	1.8E-08	6.2E-09	6.7E-08	8.0E-08	4.5E-08	7.3E-06	4.6E-07	2.0E-09

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 7 1 1 THRU 84 93824

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN

PLUME PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE

ADULT	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	3.6E-05
TEEN	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	3.6E-05
CHILD	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	3.6E-05
INFNT	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	3.6E-05

GROUND PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE

ADULT	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	7.4E-06
TEEN	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	7.4E-06
CHILD	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	7.4E-06
INFNT	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	6.3E-06	7.4E-06

VEGET PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE

ADULT	1.7E-06	7.0E-07	1.3E-06	2.3E-06	8.4E-07	2.4E-05	2.4E-07	3.7E-09
TEEN	1.5E-06	8.0E-07	2.0E-06	3.4E-06	1.2E-06	2.8E-05	4.2E-07	4.2E-09
CHILD	1.2E-06	5.3E-07	4.7E-06	5.6E-06	1.0E-06	3.8E-05	6.2E-07	6.5E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

MEAT PATHWAY, DIST GP= 1, 3862. METERS, WINDS TOWARD ENE

ADULT	6.0E-08	8.1E-08	4.1E-08	7.5E-08	2.7E-08	9.1E-07	7.7E-09	1.0E-10
TEEN	3.0E-08	4.3E-08	3.4E-08	6.0E-08	2.2E-08	6.6E-07	7.0E-09	1.1E-10
CHILD	2.5E-08	2.2E-08	6.2E-08	7.6E-08	2.7E-08	9.9E-07	8.1E-09	1.3E-10
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ENE

ADULT	1.2E-07	1.3E-08	1.0E-07	1.7E-07	8.5E-08	6.6E-06	1.7E-09	1.6E-10
TEEN	1.3E-07	1.6E-08	1.8E-07	3.0E-07	1.5E-07	1.0E-05	3.4E-08	2.1E-10
CHILD	1.2E-07	1.2E-08	4.4E-07	5.1E-07	2.4E-07	2.0E-05	5.1E-08	3.2E-10
INFNT	1.4E-07	1.1E-08	7.3E-07	9.0E-07	4.0E-07	5.0E-05	9.1E-08	4.0E-10

GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ENE

ADULT	3.5E-07	1.6E-08	2.8E-07	4.8E-07	1.9E-07	7.9E-06	5.1E-08	3.2E-10
TEEN	3.4E-07	2.0E-08	5.0E-07	8.4E-07	3.4E-07	1.2E-05	1.0E-07	4.2E-10
CHILD	2.8E-07	1.6E-08	1.2E-06	1.4E-06	5.5E-07	2.5E-05	1.5E-07	6.6E-10
INFNT	2.9E-07	1.5E-08	2.0E-06	2.7E-06	8.8E-07	6.0E-05	2.7E-07	1.0E-09

INHAL PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE

ADULT	3.4E-08	2.1E-08	2.0E-08	4.6E-08	3.0E-08	2.0E-06	3.2E-07	2.0E-09
TEEN	2.0E-08	1.0E-08	3.8E-08	6.2E-08	3.9E-08	3.6E-06	4.6E-07	2.1E-09
CHILD	1.8E-08	8.4E-09	5.1E-08	5.8E-08	3.6E-08	4.0E-06	3.8E-07	1.8E-09
INFNT	9.3E-09	3.3E-09	3.3E-08	4.4E-08	2.3E-08	3.7E-06	2.4E-07	1.0E-09

ENTER (C) TO CONTINUE
C

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 7 1 1 THRU 84 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.2E-06	1.5E-05
TEEN	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.2E-06	1.5E-05
CHILD	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.2E-06	1.5E-05
INFNT	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.2E-06	1.5E-05
GROUND PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.7E-06
TEEN	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.7E-06
CHILD	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.7E-06
INFNT	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.7E-06
VEGET PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	8.4E-07	3.0E-07	6.6E-07	1.1E-06	4.1E-07	1.0E-05	1.2E-07	3.7E-09
TEEN	7.3E-07	4.0E-07	1.0E-06	1.7E-06	6.0E-07	9.6E-06	2.1E-07	4.2E-09
CHILD	6.2E-07	2.6E-07	2.4E-06	2.0E-06	9.3E-07	1.3E-05	3.2E-07	6.5E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E								
ADULT	9.2E-09	1.2E-08	6.3E-09	1.1E-08	4.2E-09	1.2E-07	1.2E-09	7.6E-11
TEEN	4.6E-09	6.6E-09	5.2E-09	9.1E-09	3.3E-09	8.7E-08	1.1E-09	4.6E-11
CHILD	3.0E-09	3.3E-09	9.4E-09	1.2E-08	4.1E-09	1.3E-07	1.3E-09	5.5E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	5.3E-08	5.3E-09	4.4E-08	7.4E-08	3.5E-08	2.5E-06	7.5E-09	1.4E-10
TEEN	5.4E-08	6.7E-09	7.9E-09	1.3E-07	6.1E-08	3.9E-06	1.5E-08	1.9E-10
CHILD	4.0E-08	5.0E-09	1.9E-07	2.2E-07	1.0E-07	7.7E-06	2.2E-08	3.0E-10
INFNT	5.8E-08	4.9E-09	3.1E-07	4.3E-07	1.6E-07	1.9E-05	4.0E-08	4.5E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	1.5E-07	6.6E-09	1.2E-07	2.1E-07	8.2E-08	3.0E-06	2.2E-08	3.8E-10
TEEN	1.5E-07	8.5E-09	2.2E-07	3.6E-07	1.4E-07	4.7E-06	4.4E-08	3.9E-10
CHILD	1.2E-07	6.7E-09	5.2E-07	6.1E-07	2.3E-07	9.3E-06	6.7E-08	6.1E-10
INFNT	1.2E-07	6.8E-09	8.5E-07	1.2E-06	3.7E-07	2.3E-05	1.2E-07	9.3E-10
INHAL PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	1.6E-08	1.2E-08	1.2E-08	2.1E-08	1.3E-08	9.7E-07	1.7E-07	2.0E-09
TEEN	1.3E-08	1.1E-08	1.7E-08	2.7E-08	1.6E-08	1.2E-06	2.5E-07	2.0E-09
CHILD	8.2E-09	5.2E-09	2.2E-08	2.6E-08	1.5E-08	1.3E-06	2.1E-07	1.0E-09
INFNT	4.2E-09	2.2E-09	1.4E-08	1.0E-08	9.3E-09	1.2E-06	1.3E-07	1.0E-09

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 7 1 1 THRU 84 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.3E-06	9.0E-06
TEEN	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.3E-06	9.0E-06
CHILD	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.3E-06	9.0E-06
INFNT	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.2E-06	3.3E-06	9.0E-06
GROUND PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.5E-06
TEEN	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.5E-06
CHILD	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.5E-06
INFNT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.5E-06
VEGET PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	7.8E-07	3.6E-07	6.1E-07	1.8E-06	3.8E-07	9.0E-06	1.1E-07	8.5E-10
TEEN	6.8E-07	3.7E-07	9.4E-07	1.6E-06	5.5E-07	8.2E-06	1.0E-07	9.8E-10
CHILD	5.7E-07	2.4E-07	2.2E-06	2.6E-06	8.6E-07	1.2E-05	2.0E-07	1.5E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE								
ADULT	4.6E-08	6.1E-08	3.2E-08	5.7E-08	2.1E-08	6.2E-07	5.8E-09	6.7E-11
TEEN	2.3E-08	3.3E-08	2.6E-08	4.5E-08	1.6E-08	4.5E-07	5.3E-09	4.0E-11
CHILD	1.0E-08	1.7E-08	4.7E-08	5.8E-08	2.0E-08	6.8E-07	6.1E-09	4.8E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE								
ADULT	4.6E-08	4.5E-09	3.8E-08	6.4E-08	3.0E-08	2.2E-06	6.3E-09	2.9E-11
TEEN	4.7E-08	5.7E-09	6.8E-08	1.1E-07	5.3E-08	3.5E-06	1.3E-08	3.8E-11
CHILD	4.2E-08	4.2E-09	1.6E-07	1.9E-07	8.7E-08	6.8E-06	1.9E-08	5.9E-11
INFNT	5.0E-08	4.0E-09	2.7E-07	3.7E-07	1.4E-07	1.7E-05	3.4E-08	9.0E-11
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE								
ADULT	1.3E-07	5.5E-09	1.1E-07	1.8E-07	7.0E-08	2.6E-06	1.9E-08	5.9E-11
TEEN	1.3E-07	7.1E-09	1.9E-07	3.1E-07	1.2E-07	4.2E-06	3.8E-08	7.7E-11
CHILD	1.0E-07	5.4E-09	4.5E-07	5.2E-07	2.0E-07	8.2E-06	5.7E-08	1.2E-10
INFNT	1.1E-07	5.3E-09	7.3E-07	1.0E-06	3.2E-07	2.0E-05	1.0E-07	1.8E-10
INHAL PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	7.3E-09	4.9E-09	5.9E-09	9.8E-09	6.4E-09	6.4E-07	7.6E-08	4.7E-10
TEEN	6.2E-09	4.6E-09	8.2E-09	1.3E-08	8.5E-09	7.9E-07	1.1E-07	4.8E-10
CHILD	3.9E-09	2.0E-09	1.1E-08	1.2E-08	7.8E-09	8.8E-07	9.0E-08	4.2E-10
INFNT	2.0E-09	7.6E-10	7.2E-09	9.4E-09	4.9E-09	8.0E-07	5.8E-08	2.4E-10

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 7 1 1 THRU 84 93824

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.7E-05	4.6E-05
TEEN	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.7E-05	4.6E-05
CHILD	1.8E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.7E-05	4.6E-05
INFNT	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.7E-05	4.6E-05
GROUND PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
TEEN	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
CHILD	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
INFNT	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
VEGET PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	3.1E-06	1.5E-08	2.4E-06	4.1E-06	1.5E-06	3.0E-05	4.4E-07	3.8E-09
TEEN	2.7E-06	1.5E-06	3.7E-06	6.2E-06	2.2E-06	3.2E-05	7.7E-07	4.3E-09
CHILD	2.3E-06	0.0E-07	0.7E-06	1.0E-05	3.4E-06	4.0E-05	1.1E-06	6.6E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE								
ADULT	2.7E-08	3.0E-08	1.0E-08	3.4E-08	1.2E-08	3.6E-07	3.5E-09	5.4E-11
TEEN	1.4E-08	2.0E-08	1.6E-08	2.7E-08	9.7E-09	2.6E-07	3.2E-09	3.2E-11
CHILD	1.1E-08	1.0E-08	2.8E-08	3.5E-08	1.2E-08	4.0E-07	3.7E-09	3.9E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 6848. METERS, WINDS TOWARD SE								
ADULT	0.1E-08	0.1E-08	7.6E-08	1.3E-07	6.1E-08	4.3E-06	1.3E-08	6.6E-11
TEEN	0.3E-08	1.1E-08	1.4E-07	2.2E-07	1.1E-07	6.0E-06	2.6E-08	8.6E-11
CHILD	0.3E-08	0.4E-08	3.2E-07	3.7E-07	1.7E-07	1.4E-05	3.0E-08	1.3E-10
INFNT	0.0E-08	0.0E-08	5.4E-07	7.3E-07	2.0E-07	3.3E-05	6.0E-08	2.0E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD SE								
ADULT	1.0E-07	0.4E-09	1.6E-07	2.7E-07	1.1E-07	3.0E-06	2.8E-08	1.1E-10
TEEN	1.0E-07	1.1E-08	2.0E-07	4.7E-07	1.8E-07	6.2E-06	5.7E-08	1.4E-10
CHILD	1.5E-07	0.2E-09	6.8E-07	7.0E-07	3.0E-07	1.2E-05	8.6E-08	2.2E-10
INFNT	1.6E-07	0.0E-09	1.1E-06	1.5E-06	4.0E-07	3.0E-05	1.5E-07	3.4E-10
INHAL PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	3.2E-08	2.2E-08	2.6E-08	4.3E-08	3.0E-08	3.2E-06	3.4E-07	2.1E-09
TEEN	2.8E-08	2.0E-08	3.6E-08	5.8E-08	4.0E-08	4.0E-06	4.0E-07	2.1E-09
CHILD	1.8E-08	0.8E-09	4.0E-08	5.5E-08	3.7E-08	4.4E-06	4.0E-07	1.9E-09
INFNT	0.5E-09	3.4E-09	3.2E-08	4.2E-08	2.3E-08	4.0E-06	2.6E-07	1.1E-09

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 7 1 1 THRU 84 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE							
ADULT	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.8E-06	1.5E-05
TEEN	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.8E-06	1.5E-05
CHILD	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.8E-06	1.5E-05
INFNT	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.6E-06	4.8E-06	1.5E-05
GROUND	PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE							
ADULT	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	1.1E-05
TEEN	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	1.1E-05
CHILD	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	1.1E-05
INFNT	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	1.1E-05
VEGET	PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE							
ADULT	2.1E-06	1.2E-06	1.6E-06	2.8E-06	1.0E-06	3.0E-05	2.9E-07	4.8E-09
TEEN	1.0E-06	1.2E-06	2.5E-06	4.2E-06	1.5E-06	2.5E-05	5.2E-07	5.5E-09
CHILD	1.6E-06	7.8E-07	5.9E-06	6.0E-06	2.3E-06	3.8E-05	7.7E-07	8.5E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE							
ADULT	2.4E-07	3.0E-07	1.7E-07	3.0E-07	1.1E-07	3.7E-06	3.0E-08	6.0E-10
TEEN	1.2E-07	2.1E-07	1.4E-07	2.4E-07	8.7E-08	2.7E-06	2.0E-08	4.1E-10
CHILD	1.1E-07	1.1E-07	2.5E-07	3.1E-07	1.1E-07	4.1E-06	3.2E-08	5.8E-10
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 6840. METERS, WINDS TOWARD SSE							
ADULT	8.3E-08	9.4E-09	7.1E-08	1.2E-07	5.8E-08	4.6E-06	1.1E-08	1.1E-10
TEEN	8.5E-08	1.2E-08	1.3E-07	2.0E-07	1.0E-07	7.3E-06	2.3E-08	1.4E-10
CHILD	7.8E-08	8.7E-09	3.0E-07	3.4E-07	1.7E-07	1.4E-05	3.5E-08	2.2E-10
INFNT	0.7E-08	8.3E-09	5.0E-07	6.0E-07	2.7E-07	3.5E-05	6.2E-08	3.3E-10
GOAT	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSE							
ADULT	1.8E-07	8.2E-09	1.5E-07	2.4E-07	9.9E-08	4.2E-06	2.6E-08	1.8E-10
TEEN	1.7E-07	1.1E-08	2.6E-07	4.3E-07	1.7E-07	6.6E-06	5.2E-08	2.3E-10
CHILD	1.4E-07	8.1E-09	6.3E-07	7.2E-07	2.8E-07	1.3E-05	7.8E-08	3.6E-10
INFNT	1.5E-07	8.0E-09	1.0E-06	1.4E-06	4.5E-07	3.2E-05	1.4E-07	5.5E-10
INHAL	PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE							
ADULT	1.8E-08	1.2E-08	1.3E-08	2.4E-08	1.5E-08	1.2E-06	1.7E-07	2.7E-09
TEEN	1.6E-08	1.2E-08	1.9E-08	3.2E-08	1.9E-08	1.5E-06	2.5E-07	2.7E-09
CHILD	9.8E-09	5.7E-09	2.5E-08	3.0E-08	1.8E-08	1.6E-06	2.0E-07	2.4E-09
INFNT	5.1E-09	2.5E-09	1.6E-08	2.2E-08	1.1E-08	1.5E-06	1.3E-07	1.4E-09

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 7 1 1 THRU 84 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.8E-06	2.2E-05
TEEN	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.8E-06	2.2E-05
CHILD	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.8E-06	2.2E-05
INFNT	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.5E-06	7.8E-06	2.2E-05
GROUND PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	1.1E-05
TEEN	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	1.1E-05
CHILD	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	1.1E-05
INFNT	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	0.0E-06	1.1E-05
VEGET PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	2.3E-06	1.1E-06	1.8E-06	3.1E-06	1.1E-06	2.0E-05	3.3E-07	5.6E-09
TEEN	2.0E-06	1.1E-06	2.8E-06	4.7E-06	1.6E-06	2.4E-05	5.0E-07	6.4E-09
CHILD	1.7E-06	7.4E-07	6.5E-06	7.7E-06	2.6E-06	3.7E-05	8.6E-07	9.9E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 8115. METERS, WINDS TOWARD S								
ADULT	9.0E-09	1.4E-08	6.0E-09	1.2E-08	4.5E-09	1.3E-07	1.3E-09	4.5E-11
TEEN	5.0E-09	7.3E-09	5.6E-09	9.8E-09	3.5E-09	9.5E-08	1.2E-09	2.7E-11
CHILD	4.1E-09	3.7E-09	1.6E-08	1.3E-08	4.4E-09	1.4E-07	1.3E-09	3.2E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	4.7E-08	4.8E-09	3.9E-08	6.6E-08	3.1E-08	2.2E-06	6.6E-09	7.2E-11
TEEN	4.0E-08	6.0E-09	7.1E-08	1.1E-07	5.5E-08	3.5E-06	1.3E-08	9.4E-11
CHILD	4.3E-08	4.4E-09	1.7E-07	1.9E-07	9.0E-08	7.0E-06	2.0E-08	1.5E-10
INFNT	6.1E-08	4.2E-09	2.8E-07	3.8E-07	1.5E-07	1.7E-05	3.5E-08	2.3E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	1.3E-07	5.8E-09	1.1E-07	1.9E-07	7.3E-08	2.7E-06	2.0E-08	1.5E-10
TEEN	1.3E-07	7.5E-09	2.0E-07	3.2E-07	1.3E-07	4.3E-06	3.9E-08	1.9E-10
CHILD	1.1E-07	5.8E-09	4.7E-07	5.4E-07	2.1E-07	8.4E-06	5.9E-08	3.0E-10
INFNTILE-07		5.7E-09	7.6E-07	1.0E-06	3.3E-07	2.0E-05	1.1E-07	4.6E-10
INHAL PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	3.1E-08	2.0E-08	2.4E-08	4.1E-08	2.4E-08	2.0E-06	3.0E-07	3.1E-09
TEEN	2.6E-08	1.9E-08	3.3E-08	5.4E-08	3.2E-08	2.5E-06	4.4E-07	3.1E-09
CHILD	1.6E-08	8.7E-09	4.4E-08	5.1E-08	3.0E-08	2.8E-06	3.6E-07	2.0E-09
INFNT	8.0E-09	3.6E-09	2.8E-08	3.8E-08	1.8E-08	2.5E-06	2.3E-07	1.6E-09

ENTER (C) TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 7 1 1 THRU 84 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.5E-05	1.6E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.6E-05	4.8E-05
TEEN	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.6E-05	4.8E-05
CHILD	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.6E-05	4.8E-05
INFNT	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.6E-05	1.6E-05	4.8E-05
GROUND PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.5E-05
TEEN	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.5E-05
CHILD	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.5E-05
INFNT	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.5E-05
VEGET PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	3.5E-06	1.6E-06	2.0E-06	4.0E-06	1.0E-06	4.7E-05	5.1E-07	6.3E-09
TEEN	3.1E-06	1.6E-06	4.3E-06	7.3E-06	2.6E-06	3.9E-05	9.0E-07	7.2E-09
CHILD	2.6E-06	1.1E-06	1.0E-05	1.2E-05	4.0E-06	5.9E-05	1.3E-06	1.1E-08
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	7.8E-09	1.8E-08	5.4E-09	9.7E-09	3.5E-09	1.1E-07	1.0E-09	3.1E-11
TEEN	3.0E-09	5.4E-09	4.4E-09	7.7E-09	2.8E-09	7.8E-08	9.2E-10	1.8E-11
CHILD	3.2E-09	2.7E-09	8.6E-09	9.9E-09	3.5E-09	1.2E-07	1.1E-09	2.2E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	6.1E-08	6.0E-09	5.0E-08	8.5E-08	4.1E-08	3.0E-06	8.4E-09	7.2E-11
TEEN	6.2E-08	7.6E-09	9.0E-08	1.5E-07	7.1E-08	4.7E-06	1.7E-08	9.3E-11
CHILD	5.6E-08	5.6E-09	2.1E-07	2.5E-07	1.2E-07	9.3E-06	2.5E-08	1.5E-10
INFNT	6.7E-08	5.3E-09	3.6E-07	4.0E-07	1.9E-07	2.3E-05	4.5E-08	2.2E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	1.7E-07	7.5E-09	1.4E-07	2.4E-07	9.4E-08	3.6E-06	2.5E-08	1.5E-10
TEEN	1.7E-07	9.6E-09	2.5E-07	4.1E-07	1.6E-07	5.7E-06	5.0E-08	1.9E-10
CHILD	1.4E-07	7.4E-09	5.9E-07	7.0E-07	2.7E-07	1.1E-05	7.6E-08	3.0E-10
INFNT	1.4E-07	7.3E-09	9.6E-07	1.3E-06	4.3E-07	2.7E-05	1.3E-07	4.6E-10
INHAL PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	4.1E-08	2.7E-08	3.2E-08	5.4E-08	3.4E-08	3.1E-06	4.1E-07	3.5E-09
TEEN	3.4E-08	2.5E-08	4.4E-08	7.2E-08	4.5E-08	3.8E-06	6.0E-07	3.5E-09
CHILD	2.1E-08	1.1E-08	5.9E-08	6.8E-08	4.1E-08	4.2E-06	4.9E-07	3.1E-09
INFNT	1.1E-08	4.6E-09	3.8E-08	5.1E-08	2.6E-08	3.8E-06	3.1E-07	1.8E-09

ENTER [C] TO CONTINUE

APPENDIX 1.3

SUMMARY OF MAXIMUM INDIVIDUAL DOSES FOR FOURTH QUARTER OF 1984

SUMMARY OF MAXIMUM INDIVIDUAL DOSES - 4TH QUARTER 1984

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERLY LIMIT (MR)
Liquid	Total Body	2.63 E-1	Adult	Receptor 1	17.53	1.5
Liquid	Liver	3.57 E-1	Teen	Receptor 1	7.14	5.0
Noble Gas	Air Dose (Gamma-mrad)	4.74 E-1	All	629 SSW	9.48	5.0
Noble Gas	Air Dose (Beta-mrad)	1.49 E 0	All	629 SSW	14.90	10.0
Noble Gas	Total Body	1.18 E-1	All	770 SSW	2.36	Yearly 5.0
Noble Gas	Skin	3.63 E-1	All	770 SSW	2.42	Yearly 15.0
Iodines and Particulates	Liver	2.35 E-2	Child	814 NNE	0.31	7.5

FOR RECEPTOR NUMBER 1

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 84 03024 END DATE 84123124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	1.3E-06	1.4E-05	1.4E-05	1.3E-05	1.3E-05	1.2E-05	1.3E-05	0.0E+00
TEEN	1.2E-06	1.8E-05	9.3E-06	9.2E-06	9.0E-06	8.6E-06	8.8E-06	0.0E+00
CHILD	3.6E-06	2.0E-05	1.7E-05	1.8E-05	1.7E-05	1.6E-05	1.6E-05	0.0E+00
INFANT	3.7E-06	2.1E-05	1.6E-05	1.0E-05	1.7E-05	1.6E-05	1.6E-05	0.0E+00
SHORE								
ADULT	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	2.2E-07
TEEN	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.2E-06
CHILD	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.5E-07
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
FW SPT FISH								
ADULT	1.0E-04	3.4E-04	2.5E-04	1.0E-06	1.1E-04	3.8E-05	3.3E-05	0.0E+00
TEEN	2.0E-04	3.5E-04	1.4E-04	1.6E-06	1.1E-04	4.4E-05	2.4E-05	0.0E+00
CHILD	2.5E-04	3.8E-04	5.5E-05	1.6E-06	9.6E-05	3.5E-05	8.0E-06	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

ENTER: [RETURN] CONTINUE,[SO] START OVER,[EX] EXIT

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 84 03824 END DATE 84123124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN	TOTAL
ADULT	1.0E-04	3.5E-04	2.6E-04	1.5E-05	1.2E-04	5.0E-05	4.6E-05	2.2E-07	
TEEN	2.0E-04	3.6E-04	1.5E-04	1.2E-05	1.2E-04	5.4E-05	3.4E-05	1.2E-06	
CHILD	2.5E-04	3.2E-04	7.2E-05	2.0E-05	1.1E-04	5.2E-05	2.5E-05	2.5E-07	
INFANT	3.7E-06	2.1E-05	1.6E-05	1.0E-05	1.7E-05	1.6E-05	1.6E-05	0.0E+00	

ENTER: [N] RECEPTOR NUMBER (1-5)
[EX] EXIT
[RETURN] GO BACK TO PREVIOUS OPTION

```
DOSE TYPE
ENTER: [GA]     GAMMA
       [BE]     BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
GA
DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 8410 1 1 0 TO 84123124 0
DOSE ACCUMULATION FOR GAMMA        RAD
FOR RELEASE POINT   1
**DIRECTION FROM  N
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NNE
 4.3086E-04    5.5378E-05    2.6076E-05    1.5475E-05    1.0005E-05
 5.3439E-06    2.0595E-06    1.0184E-06    6.4076E-07    4.0336E-07
**DIRECTION FROM NE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM ENE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM  E
 4.5939E-06    8.4338E-07    2.9200E-07    1.6823E-07    1.1040E-07
 6.0267E-08    2.3349E-08    1.1514E-08    7.3410E-09    4.5706E-09
**DIRECTION FROM ESE
 2.7788E-07    3.5691E-08    1.6013E-08    9.1465E-09    6.3823E-09
 3.1063E-09    1.2109E-09    6.0215E-10    3.0648E-10    2.4209E-10
**DIRECTION FROM SE
 8.5842E-05    9.0303E-06    4.3231E-06    2.4500E-06    1.6520E-06
 7.5884E-07    2.5788E-07    1.1781E-07    7.0888E-08    4.0414E-08
**DIRECTION FROM SSE
 1.5266E-06    1.7160E-07    7.8282E-08    4.5587E-08    3.1720E-08
 1.5645E-08    5.0540E-09    2.0625E-09    1.0903E-09    1.1825E-09
**DIRECTION FROM  S
 6.0231E-06    8.0101E-07    3.5207E-07    1.9942E-07    1.3440E-07
 6.1469E-08    2.0822E-08    9.4816E-09    5.6903E-09    3.2908E-09
**DIRECTION FROM SSW
 2.2027E-07    3.2110E-08    1.4613E-08    8.3960E-09    5.0800E-09
 3.0978E-09    1.1653E-09    5.7462E-10    3.6630E-10    2.2855E-10
**DIRECTION FROM SW
 1.1268E-07    1.5780E-08    7.1817E-09    4.1262E-09    2.9040E-09
 1.4782E-09    5.7270E-10    2.8240E-10    1.8006E-10    1.1232E-10
**DIRECTION FROM WSW
 3.5608E-05    4.2377E-06    1.0513E-06    1.1448E-06    7.8401E-07
 3.7178E-07    1.3563E-07    6.5038E-08    4.0573E-08    2.4362E-08
**DIRECTION FROM  W
 1.2852E-06    1.4870E-07    6.6350E-08    3.7020E-08    2.4051E-08
 1.1411E-08    3.8854E-09    1.7602E-09    1.0564E-09    5.9976E-10
**DIRECTION FROM WNW
 4.0815E-08    5.0001E-09    2.6185E-09    1.4898E-09    1.0182E-09
 4.0389E-10    1.7281E-10    8.1674E-11    5.0452E-11    3.0054E-11
**DIRECTION FROM NW
 3.3689E-05    2.7237E-06    1.3349E-06    8.3178E-07    5.9054E-07
 3.1434E-07    1.3482E-07    7.3378E-08    4.0885E-08    3.3146E-08
**DIRECTION FROM NNW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 DISTANCES USED IN CALCULATIONS
   504.0  2416.0  4020.0  5630.0  7240.0
 12067.0 24135.0 40225.0 56315.0 80500.0
ENTER: [RETURN] WHEN READY TO CONTINUE
```

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FOR RELEASE POINT   2
**DIRECTION FROM  N
 5.0360E-05    6.3567E-06    2.0360E-06    1.7169E-06    1.2844E-06
 6.0508E-07    2.3424E-07    1.1581E-07    7.3898E-08    4.6111E-08
**DIRECTION FROM NNE
 5.1508E-05    6.2723E-06    2.0585E-06    1.6685E-06    1.1452E-06
 5.5262E-07    2.0431E-07    9.8684E-08    6.1947E-08    3.7612E-08
**DIRECTION FROM NE
 3.4481E-05    4.2119E-06    1.8732E-06    1.0665E-06    7.3198E-07
 3.5115E-07    1.2701E-07    6.0479E-08    3.7667E-08    2.2672E-08
**DIRECTION FROM ENE
 4.5386E-05    5.5185E-06    2.5877E-06    1.5387E-06    1.0711E-06
 5.3233E-07    2.0451E-07    1.0014E-07    6.3366E-08    3.9353E-08
**DIRECTION FROM  E
 7.2329E-05    9.1824E-06    4.3186E-06    2.6574E-06    1.7951E-06
 8.0937E-07    3.4056E-07    1.7285E-07    1.1022E-07    6.8849E-08
**DIRECTION FROM ESE
 1.1287E-04    1.3758E-05    6.5856E-06    3.8748E-06    2.7174E-06
 1.3565E-06    5.2666E-07    2.6886E-07    1.6562E-07    1.0352E-07
**DIRECTION FROM SE
 1.6486E-04    2.0476E-05    9.4969E-06    5.5735E-06    3.8874E-06
 1.9227E-06    7.3334E-07    3.5983E-07    2.2742E-07    1.4067E-07
**DIRECTION FROM SSE
 1.3829E-04    1.6564E-05    7.9292E-06    4.7635E-06    3.3558E-06
 1.6883E-06    6.6377E-07    3.2993E-07    2.1009E-07    1.3292E-07
**DIRECTION FROM  S
 1.5286E-04    1.8691E-05    8.9832E-06    5.4836E-06    3.8167E-06
 1.9311E-06    7.6362E-07    3.8818E-07    2.4325E-07    1.5342E-07
**DIRECTION FROM SSW
 1.1978E-04    1.4758E-05    7.0416E-06    4.2125E-06    2.9777E-06
 1.5116E-06    5.9686E-07    2.9848E-07    1.8946E-07    1.1953E-07
**DIRECTION FROM SW
 8.5846E-05    1.0711E-05    4.9235E-06    2.8722E-06    1.9988E-06
 9.8400E-07    3.7289E-07    1.8237E-07    1.1556E-07    7.1381E-08
**DIRECTION FROM WSW
 6.2888E-05    7.5969E-06    3.4618E-06    2.0117E-06    1.3915E-06
 6.7655E-07    2.5214E-07    1.2217E-07    7.6889E-08    4.6953E-08
**DIRECTION FROM  W
 5.2846E-05    6.2748E-06    2.7875E-06    1.5893E-06    1.0848E-06
 5.1258E-07    1.8218E-07    8.5798E-08    5.2912E-08    3.1358E-08
**DIRECTION FROM WNW
 3.5471E-05    4.0945E-06    1.8845E-06    1.0869E-06    7.4768E-07
 9.5938E-07    1.3288E-07    6.4816E-08    4.0822E-08    2.4968E-08
**DIRECTION FROM NW
 3.2123E-05    3.5283E-06    1.5683E-06    8.9863E-07    6.1561E-07
 2.9384E-07    1.0681E-07    5.1759E-08    3.2718E-08    2.0817E-08
**DIRECTION FROM NNW
 3.8836E-05    3.6969E-06    1.6554E-06    9.4818E-07    6.5387E-07
 3.1718E-07    1.1698E-07    5.6574E-08    3.5652E-08    2.1789E-08
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4828.0  5638.0  7248.0
 12867.0 24135.0 48225.0 56315.0 80580.0
ENTER: [RETURN] WHEN READY TO CONTINUE
```

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DOSE TYPE
ENTER: [GA]     GAMMA
       [BE]     BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
BE
DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 8410 1 1 0 TO 84123124 0
DOSE ACCUMULATION FOR BETA         RAD
FOR RELEASE POINT   1
**DIRECTION FROM  N
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NNE
 1.3705E-03    1.7589E-04    8.2751E-05    4.0082E-05    3.4267E-05
 1.6928E-05    6.5160E-06    3.2108E-06    2.0533E-06    1.2738E-06
**DIRECTION FROM NE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM ENE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM  E
 1.3549E-05    1.8976E-06    8.6368E-07    4.0618E-07    3.4021E-07
 1.7775E-07    6.8868E-08    3.3058E-08    2.1652E-08    1.3587E-08
**DIRECTION FROM ESE
 9.6833E-06    1.2437E-06    5.5810E-07    3.1882E-07    2.2247E-07
 1.1142E-07    4.2510E-08    2.0080E-08    1.3472E-08    8.4664E-09
**DIRECTION FROM SE
 2.7752E-04    3.2282E-05    1.4212E-05    8.0618E-06    5.4493E-06
 2.6110E-06    8.6808E-07    3.9534E-07    2.3887E-07    1.3710E-07
**DIRECTION FROM SSE
 2.3613E-05    2.8845E-06    1.2838E-06    7.3451E-07    5.0549E-07
 2.4363E-07    8.8002E-08    4.2500E-08    2.6502E-08    1.6839E-08
**DIRECTION FROM  S
 2.8381E-05    3.2838E-06    1.4433E-06    8.1752E-07    5.5009E-07
 2.5109E-07    8.5368E-08    3.8870E-08    2.3320E-08    1.3245E-08
**DIRECTION FROM SSW
 6.8168E-07    9.5469E-08    4.3448E-08    2.4963E-08    1.7569E-08
 8.0428E-09    3.4647E-09    1.7885E-09    1.0893E-09    6.7953E-10
**DIRECTION FROM SW
 3.3581E-07    4.6918E-08    2.1353E-08    1.2268E-08    8.6342E-09
 4.3958E-09    1.7828E-09    8.3953E-10    5.3535E-10    3.3306E-10
**DIRECTION FROM WSW
 1.4392E-04    1.7114E-05    7.8685E-06    4.6800E-06    3.1582E-06
 1.4041E-06    5.4373E-07    2.6828E-07    1.6221E-07    9.7243E-08
**DIRECTION FROM  W
 5.7462E-06    6.6485E-07    2.9222E-07    1.6552E-07    1.1156E-07
 5.1828E-08    1.7282E-08    7.8508E-09    4.7238E-09    2.8816E-09
**DIRECTION FROM WNW
 2.9224E-07    3.6824E-08    1.5928E-08    9.8645E-09    6.2861E-09
 2.0578E-09    1.0597E-09    5.8851E-10    3.0943E-10    1.8426E-10
**DIRECTION FROM NW
 1.8576E-04    8.6765E-06    4.2312E-06    2.6261E-06    1.8850E-06
 9.8519E-07    4.1722E-07    2.2743E-07    1.5423E-07    1.0210E-07
**DIRECTION FROM NNW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4020.0  5630.0  7240.0
 12067.0 24135.0 40225.0 56315.0 80500.0
ENTER: [RETURN] WHEN READY TO CONTINUE
```

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FOR RELEASE POINT   2
**DIRECTION FROM  N
 1.3836E-04    1.7468E-05    8.0543E-06    4.7058E-06    3.3006E-06
 1.6580E-06    6.4148E-07    3.1708E-07    2.0227E-07    1.2619E-07
**DIRECTION FROM NNE
 1.4355E-04    1.7434E-05    7.9452E-06    4.6156E-06    3.1824E-06
 1.5346E-06    5.6691E-07    2.7368E-07    1.7173E-07    1.0421E-07
**DIRECTION FROM NE
 9.5849E-05    1.1697E-05    5.2888E-06    2.9688E-06    2.0315E-06
 9.7415E-07    3.5213E-07    1.6763E-07    1.0439E-07    6.2817E-08
**DIRECTION FROM ENE
 1.2411E-04    1.5123E-05    7.0793E-06    4.1766E-06    2.9107E-06
 1.4482E-06    5.5478E-07    2.7128E-07    1.7143E-07    1.0628E-07
**DIRECTION FROM  E
 1.9668E-04    2.4095E-05    1.1734E-05    6.9387E-06    4.8685E-06
 2.4378E-06    9.4618E-07    4.6745E-07    2.9703E-07    1.8596E-07
**DIRECTION FROM ESE
 2.8768E-04    3.6554E-05    1.7278E-05    1.0282E-05    7.2188E-06
 3.5988E-06    1.3962E-06    6.8922E-07    4.3884E-07    2.7418E-07
**DIRECTION FROM SE
 4.4312E-04    5.6284E-05    2.5638E-05    1.5036E-05    1.0486E-05
 6.1848E-06    1.0765E-06    9.6731E-07    6.1268E-07    3.7878E-07
**DIRECTION FROM SSE
 3.7498E-04    4.4895E-05    2.1488E-05    1.2988E-05    9.0928E-06
 4.5738E-06    1.7874E-06    8.9336E-07    5.7131E-07    3.5985E-07
**DIRECTION FROM  S
 4.1372E-04    5.0874E-05    2.4431E-05    1.4688E-05    1.0372E-05
 5.2451E-06    2.0722E-06    1.0313E-06    6.5983E-07    4.1681E-07
**DIRECTION FROM SSW
 3.2636E-04    4.0297E-05    1.9287E-05    1.1476E-05    8.1188E-06
 4.1159E-06    1.6239E-06    8.0628E-07    5.1516E-07    3.2488E-07
**DIRECTION FROM SW
 2.3827E-04    2.9743E-05    1.3668E-05    7.9719E-06    5.5454E-06
 2.7316E-06    1.0358E-06    5.0624E-07    3.2079E-07    1.9794E-07
**DIRECTION FROM WSW
 1.7098E-04    2.0933E-05    9.5689E-06    5.5591E-06    3.8459E-06
 1.8788E-06    6.9727E-07    3.3704E-07    2.1278E-07    1.2991E-07
**DIRECTION FROM  W
 1.4742E-04    1.7582E-05    7.7763E-06    4.4338E-06    3.0256E-06
 1.4295E-06    5.0799E-07    2.3922E-07    1.4752E-07    8.7398E-08
**DIRECTION FROM WNW
 9.0888E-05    1.1543E-05    5.2578E-06    3.0627E-06    2.1088E-06
 1.0134E-06    3.7478E-07    1.8228E-07    1.1588E-07    7.0355E-08
**DIRECTION FROM NW
 8.7517E-05    9.5999E-06    4.2658E-06    2.4438E-06    1.6738E-06
 7.0788E-07    2.8972E-07    1.4034E-07    8.8696E-08    5.4253E-08
**DIRECTION FROM NNW
 8.4039E-05    1.0198E-05    4.5614E-06    2.6118E-06    1.8006E-06
 8.7271E-07    3.2121E-07    1.5529E-07    9.7781E-08    5.9692E-08
 DISTANCES USED IN CALCULATIONS
   504.0  2416.0  4028.0  5638.0  7248.0
 12867.0 24135.0 40225.0 56315.0 80500.0
ENTER: (RETURN) WHEN READY TO CONTINUE
```

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8410 1 1 THRU 84123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.8E-05	7.6E-05
TEEN	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.8E-05	7.6E-05
CHILD	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.8E-05	7.6E-05
INFNT	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.7E-05	2.8E-05	7.6E-05
GROUND PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.2E-05
TEEN	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.2E-05
CHILD	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.2E-05
INFNT	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.2E-05
VEGET PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	3.5E-06	1.1E-06	2.0E-06	4.7E-06	1.6E-06	2.1E-06	5.2E-07	6.6E-09
TEEN	3.0E-06	1.2E-06	4.3E-06	7.2E-06	2.4E-06	1.8E-06	9.1E-07	7.6E-09
CHILD	2.4E-06	7.7E-07	1.0E-05	1.2E-05	3.0E-06	2.7E-06	1.3E-06	1.2E-08
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NNE								
ADULT	8.6E-09	8.6E-09	6.2E-09	1.1E-08	3.6E-09	5.7E-09	1.2E-09	3.5E-11
TEEN	4.1E-09	4.6E-09	5.1E-09	8.7E-09	2.8E-09	4.1E-09	1.1E-09	2.1E-11
CHILD	3.1E-09	2.4E-09	9.3E-09	1.1E-08	3.5E-09	6.2E-09	1.3E-09	2.5E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD NNE								
ADULT	6.1E-08	3.4E-09	5.0E-08	8.4E-08	2.0E-08	1.5E-07	9.3E-09	7.8E-11
TEEN	5.0E-08	4.2E-09	8.9E-08	1.5E-07	4.0E-08	2.3E-07	1.9E-08	1.8E-10
CHILD	4.4E-08	3.8E-09	2.1E-07	2.5E-07	8.0E-08	4.6E-07	2.8E-08	1.6E-10
INFNT	4.1E-08	2.9E-09	3.4E-07	4.7E-07	1.3E-07	1.1E-06	5.0E-08	2.4E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD NNE								
ADULT	1.8E-07	5.1E-09	1.5E-07	2.5E-07	8.4E-08	1.8E-07	2.8E-08	1.6E-10
TEEN	1.8E-07	6.5E-09	2.7E-07	4.4E-07	1.5E-07	2.8E-07	5.6E-08	2.1E-10
CHILD	1.3E-07	5.0E-09	6.3E-07	7.3E-07	2.4E-07	5.5E-07	8.4E-08	3.3E-10
INFNT	1.2E-07	4.9E-09	1.0E-06	1.4E-06	3.7E-07	1.3E-06	1.5E-07	5.0E-10
INHAL PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	5.0E-08	2.5E-08	3.7E-08	6.4E-08	2.6E-08	2.7E-07	3.7E-07	3.7E-09
TEEN	3.9E-08	2.3E-08	5.1E-08	8.6E-08	3.4E-08	3.4E-07	5.3E-07	3.7E-09
CHILD	1.9E-08	1.0E-08	6.8E-08	8.0E-08	3.1E-08	3.0E-07	4.4E-07	3.3E-09
INFNT	7.8E-09	4.3E-09	4.2E-08	5.7E-08	1.8E-08	3.5E-07	2.8E-07	1.9E-09

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8410 1 1 THRU 84123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,	1052. METERS,	WINDS TOWARD NE				
ADULT	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.4E-05	3.8E-05
TEEN	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.4E-05	3.8E-05
CHILD	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.4E-05	3.8E-05
INFNT	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.4E-05	3.8E-05
GROUND	PATHWAY,	DIST GP= 1,	1052. METERS,	WINDS TOWARD NE				
ADULT	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	7.2E-06
TEEN	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	7.2E-06
CHILD	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	7.2E-06
INFNT	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	6.2E-06	7.2E-06
VEGET	PATHWAY,	DIST GP= 1,	1052. METERS,	WINDS TOWARD NE				
ADULT	2.1E-06	6.7E-07	1.7E-06	2.8E-06	9.4E-07	2.4E-06	3.1E-07	2.5E-09
TEEN	1.8E-06	6.8E-07	2.6E-06	4.3E-06	1.4E-06	2.8E-06	5.5E-07	2.9E-09
CHILD	1.4E-06	4.5E-07	8.1E-06	7.1E-06	2.3E-06	3.1E-06	8.1E-07	4.4E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP= 1,	7725. METERS,	WINDS TOWARD NE				
ADULT	8.0E-09	7.6E-09	5.7E-09	1.0E-08	3.3E-09	9.0E-09	1.1E-09	1.0E-11
TEEN	3.8E-09	4.1E-09	4.7E-09	8.1E-09	2.6E-09	7.2E-09	1.0E-09	1.1E-11
CHILD	2.8E-09	2.1E-09	8.5E-09	1.0E-08	3.2E-09	1.1E-08	1.2E-09	1.3E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,	8845. METERS,	WINDS TOWARD NE				
ADULT	5.7E-08	3.2E-09	4.6E-08	7.8E-08	2.7E-08	2.6E-07	8.6E-09	4.0E-11
TEEN	5.5E-08	3.0E-09	8.2E-08	1.4E-07	4.7E-08	4.1E-07	1.7E-08	5.2E-11
CHILD	4.2E-08	2.8E-09	1.9E-07	2.3E-07	7.6E-08	8.0E-07	2.6E-08	8.2E-11
INFNT	4.0E-08	2.6E-09	3.1E-07	4.3E-07	1.2E-07	2.0E-06	4.6E-08	1.2E-10
GOAT	PATHWAY,	DIST GP= 1,	8845. METERS,	WINDS TOWARD NE				
ADULT	1.7E-07	4.8E-09	1.4E-07	2.3E-07	7.9E-08	3.1E-07	2.6E-08	8.1E-11
TEEN	1.6E-07	6.1E-09	2.4E-07	4.1E-07	1.4E-07	4.9E-07	5.1E-08	1.1E-10
CHILD	1.2E-07	4.6E-09	5.8E-07	6.8E-07	2.2E-07	9.6E-07	7.8E-08	1.7E-10
INFNT	1.1E-07	4.4E-09	9.3E-07	1.3E-06	3.5E-07	2.3E-06	1.4E-07	2.5E-10
INHAL	PATHWAY,	DIST GP= 1,	1052. METERS,	WINDS TOWARD NE				
ADULT	2.0E-08	9.3E-09	1.5E-08	2.5E-08	1.0E-08	1.6E-07	1.4E-07	1.4E-09
TEEN	1.5E-08	8.7E-09	2.0E-08	3.4E-08	1.4E-08	2.0E-07	2.0E-07	1.4E-09
CHILD	7.5E-09	4.0E-09	2.7E-08	3.1E-08	1.2E-08	2.3E-07	1.6E-07	1.2E-09
INFNT	3.1E-09	1.6E-09	1.6E-08	2.3E-08	7.4E-09	2.1E-07	1.1E-07	7.1E-10

ENTER (C) TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8410 1 1 THRU 84123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.0E-06	2.2E-05
TEEN	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.0E-06	2.2E-05
CHILD	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.0E-06	2.2E-05
INFNT	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.0E-06	2.2E-05
GROUND PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.8E-06
TEEN	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.8E-06
CHILD	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.8E-06
INFNT	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.8E-06
VEGET PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	7.6E-07	2.7E-07	6.8E-07	1.0E-06	3.4E-07	5.8E-07	1.1E-07	2.0E-09
TEEN	6.6E-07	2.7E-07	9.4E-07	1.6E-06	5.1E-07	4.8E-07	2.0E-07	2.3E-09
CHILD	5.3E-07	1.8E-07	2.2E-06	2.6E-06	8.1E-07	7.3E-07	2.0E-07	3.6E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 3962. METERS, WINDS TOWARD ENE								
ADULT	2.6E-08	2.0E-08	1.0E-08	3.3E-08	1.1E-08	2.2E-08	3.6E-09	9.2E-11
TEEN	1.3E-08	1.5E-08	1.6E-08	2.7E-08	8.5E-09	1.6E-08	3.3E-09	5.5E-11
CHILD	9.6E-09	7.7E-09	2.8E-08	3.4E-08	1.1E-08	2.4E-08	3.8E-09	8.6E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ENE								
ADULT	5.2E-08	3.1E-09	4.2E-08	7.2E-08	2.5E-08	1.6E-07	7.9E-09	6.8E-11
TEEN	5.1E-08	3.8E-09	7.6E-08	1.3E-07	4.2E-08	2.5E-07	1.6E-08	8.9E-11
CHILD	3.8E-08	2.7E-09	1.8E-07	2.1E-07	6.9E-08	4.9E-07	2.4E-08	1.4E-10
INFNT	3.6E-08	2.6E-09	2.9E-07	4.0E-07	1.1E-07	1.2E-06	4.3E-08	2.1E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD ENE								
ADULT	1.6E-07	4.4E-09	1.3E-07	2.1E-07	7.2E-08	1.9E-07	2.4E-08	1.4E-10
TEEN	1.5E-07	5.6E-09	2.3E-07	3.7E-07	1.2E-07	3.0E-07	4.8E-08	1.8E-10
CHILD	1.1E-07	4.3E-09	5.4E-07	6.3E-07	2.0E-07	5.9E-07	7.2E-08	2.9E-10
INFNT	1.0E-07	4.2E-09	8.6E-07	1.2E-06	3.2E-07	1.4E-06	1.3E-07	4.4E-10
INHAL PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	7.3E-09	3.8E-09	4.9E-09	9.1E-09	4.1E-09	4.7E-08	4.7E-08	1.1E-09
TEEN	5.8E-09	3.5E-09	6.7E-09	1.2E-08	5.1E-09	5.8E-08	6.8E-08	1.1E-09
CHILD	3.1E-09	1.9E-09	9.8E-09	1.1E-08	4.7E-09	6.6E-08	5.5E-08	9.9E-10
INFNT	1.4E-09	8.7E-10	5.5E-09	7.0E-09	2.8E-09	6.0E-08	3.6E-08	5.7E-10

ENTER [C] TO CONTINUE

THIS IS LAST ·ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8410 1 1 THRU 84123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.5E-06	1.2E-05
TEEN	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.5E-06	1.2E-05
CHILD	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.5E-06	1.2E-05
INFNT	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.5E-06	1.2E-05
GROUND PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.4E-06
TEEN	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.4E-06
CHILD	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.4E-06
INFNT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.4E-06
VEGET PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	9.8E-07	3.1E-07	7.7E-07	1.3E-06	4.4E-07	1.1E-06	1.4E-07	8.3E-10
TEEN	8.4E-07	3.2E-07	1.2E-06	2.0E-06	6.6E-07	9.5E-07	2.5E-07	9.4E-10
CHILD	6.7E-07	2.1E-07	2.8E-06	3.3E-06	1.0E-06	1.4E-06	3.7E-07	1.5E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E								
ADULT	1.0E-08	1.0E-08	7.4E-09	1.3E-08	4.3E-09	1.3E-08	1.4E-09	1.3E-11
TEEN	4.9E-09	5.3E-09	6.8E-09	1.0E-08	3.4E-09	9.5E-09	1.3E-09	7.8E-12
CHILD	3.6E-09	2.7E-09	1.1E-08	1.3E-08	4.2E-09	1.4E-08	1.5E-09	9.5E-12
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD E								
ADULT	5.0E-08	3.3E-09	4.8E-08	8.1E-08	2.8E-08	2.7E-07	8.0E-09	2.4E-11
TEEN	5.7E-08	4.1E-09	8.5E-08	1.4E-07	4.0E-08	4.3E-07	1.8E-08	3.1E-11
CHILD	4.3E-08	2.0E-09	2.0E-07	2.4E-07	7.9E-08	8.5E-07	2.7E-08	5.0E-11
INFNT	4.1E-08	2.7E-09	3.2E-07	4.5E-07	1.2E-07	2.1E-06	4.8E-08	7.5E-11
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD E								
ADULT	1.8E-07	5.0E-09	1.4E-07	2.4E-07	8.1E-08	3.3E-07	2.7E-08	4.9E-11
TEEN	1.7E-07	6.3E-09	2.5E-07	4.2E-07	1.4E-07	5.2E-07	5.3E-08	6.4E-11
CHILD	1.3E-07	4.7E-09	6.0E-07	7.1E-07	2.3E-07	1.0E-06	8.0E-08	1.0E-10
INFNT	1.2E-07	4.5E-09	9.6E-07	1.3E-06	3.6E-07	2.5E-06	1.4E-07	1.5E-10
INHAL PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	5.7E-09	2.6E-09	4.1E-09	7.2E-09	3.1E-09	5.1E-08	3.8E-08	4.6E-10
TEEN	4.4E-09	2.5E-09	5.7E-09	9.6E-09	4.0E-09	6.4E-08	5.6E-08	4.6E-10
CHILD	2.2E-09	1.2E-09	7.6E-09	9.0E-09	3.6E-09	7.3E-08	4.5E-08	4.1E-10
INFNT	9.2E-10	4.8E-10	4.7E-09	6.5E-09	2.2E-09	6.7E-08	2.9E-08	2.3E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8410 1 1 THRU 84123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,	1628. METERS,	WINDS TOWARD ESE				
ADULT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.0E-06	8.1E-06
TEEN	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.0E-06	8.1E-06
CHILD	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.0E-06	8.1E-06
INFNT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	3.0E-06	8.1E-06
GROUND	PATHWAY,	DIST GP= 1,	1628. METERS,	WINDS TOWARD ESE				
ADULT	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	3.2E-06
TEEN	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	3.2E-06
CHILD	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	3.2E-06
INFNT	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	3.2E-06
VEGET	PATHWAY,	DIST GP= 1,	1628. METERS,	WINDS TOWARD ESE				
ADULT	9.6E-07	2.0E-07	7.7E-07	1.3E-06	4.4E-07	1.2E-06	1.5E-07	4.2E-09
TEEN	8.3E-07	3.0E-07	1.2E-06	2.0E-06	6.6E-07	9.0E-07	2.5E-07	4.0E-09
CHILD	6.6E-07	2.0E-07	2.0E-06	3.3E-06	1.0E-06	1.5E-06	3.8E-07	7.5E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP= 1,	2434. METERS,	WINDS TOWARD ESE				
ADULT	5.4E-08	4.0E-08	4.6E-08	7.0E-08	2.3E-08	7.4E-08	7.7E-09	3.2E-10
TEEN	2.8E-08	2.6E-08	3.2E-08	5.6E-08	1.8E-08	5.3E-08	7.0E-09	1.9E-10
CHILD	1.0E-08	1.3E-08	6.0E-08	7.1E-08	2.2E-08	8.8E-08	8.1E-09	2.3E-10
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,	8845. METERS,	WINDS TOWARD ESE				
ADULT	5.4E-08	3.8E-09	4.4E-08	7.4E-08	2.6E-08	2.6E-07	8.2E-09	1.8E-10
TEEN	5.2E-08	3.7E-09	7.8E-08	1.3E-07	4.5E-08	4.1E-07	1.6E-08	1.3E-10
CHILD	4.0E-08	2.7E-09	1.9E-07	2.2E-07	7.3E-08	8.1E-07	2.5E-08	2.1E-10
INFNT	3.8E-08	2.6E-09	3.8E-07	4.1E-07	1.1E-07	2.8E-06	4.4E-08	3.2E-10
GOAT	PATHWAY,	DIST GP= 1,	8845. METERS,	WINDS TOWARD ESE				
ADULT	1.6E-07	4.7E-09	1.3E-07	2.2E-07	7.5E-08	3.1E-07	2.4E-08	2.1E-10
TEEN	1.5E-07	5.9E-09	2.3E-07	3.9E-07	1.3E-07	4.9E-07	4.9E-08	2.7E-10
CHILD	1.1E-07	4.6E-09	5.5E-07	6.5E-07	2.1E-07	9.8E-07	7.4E-08	4.3E-10
INFNT	1.1E-07	4.6E-09	8.9E-07	1.2E-06	3.3E-07	2.4E-06	1.3E-07	6.5E-10
INHAL	PATHWAY,	DIST GP= 1,	1628. METERS,	WINDS TOWARD ESE				
ADULT	5.9E-09	3.7E-09	2.8E-09	7.0E-09	4.2E-09	4.9E-08	2.5E-08	2.3E-09
TEEN	5.0E-09	3.6E-09	3.9E-09	8.6E-09	4.8E-09	6.1E-08	3.6E-08	2.3E-09
CHILD	3.3E-09	2.5E-09	5.2E-09	7.9E-09	4.3E-09	6.9E-08	2.9E-08	2.1E-09
INFNT	1.7E-09	1.3E-09	3.2E-09	5.4E-09	2.5E-09	6.2E-08	1.9E-08	1.2E-09

ENTER (C) TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8410 1 1 THRU 84123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.4E-05	3.8E-05
TEEN	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.4E-05	3.8E-05
CHILD	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.4E-05	3.8E-05
INFNT	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.4E-05	3.8E-05
GROUND PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	9.5E-06
TEEN	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	9.5E-06
CHILD	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	9.5E-06
INFNT	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	8.1E-06	9.5E-06
VEGET PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	2.7E-06	9.0E-07	2.2E-06	3.6E-06	1.2E-06	1.6E-06	4.9E-07	3.9E-09
TEEN	2.3E-06	9.2E-07	3.4E-06	5.6E-06	1.8E-06	1.3E-06	7.1E-07	4.4E-09
CHILD	1.9E-06	6.1E-07	7.9E-06	9.2E-06	2.9E-06	2.0E-06	1.8E-06	6.9E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE								
ADULT	2.3E-09	2.4E-08	1.7E-08	3.0E-08	9.5E-09	1.5E-08	3.2E-09	4.2E-11
TEEN	1.1E-08	1.3E-08	1.4E-08	2.4E-08	7.6E-09	1.1E-08	2.0E-09	2.5E-11
CHILD	8.2E-09	6.4E-09	2.5E-08	3.0E-08	9.4E-09	1.6E-08	3.4E-09	3.1E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 6848. METERS, WINDS TOWARD SE								
ADULT	7.6E-08	4.3E-09	6.2E-08	1.1E-07	3.6E-08	1.7E-07	1.2E-08	5.6E-11
TEEN	7.4E-08	5.2E-09	1.1E-07	1.8E-07	6.2E-08	2.8E-07	2.3E-08	7.3E-11
CHILD	5.5E-08	3.7E-09	2.6E-07	3.1E-07	1.0E-07	5.4E-07	3.6E-08	1.2E-10
INFNT	5.1E-08	3.5E-09	4.2E-07	5.8E-07	1.6E-07	1.3E-06	6.2E-08	1.7E-10
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD SE								
ADULT	1.7E-07	4.8E-09	1.4E-07	2.4E-07	7.9E-08	1.6E-07	2.6E-08	9.4E-11
TEEN	1.7E-07	6.0E-09	2.5E-07	4.1E-07	1.4E-07	2.5E-07	5.2E-08	1.2E-10
CHILD	1.2E-07	4.5E-09	5.9E-07	6.9E-07	2.2E-07	4.9E-07	7.9E-08	1.9E-10
INFNT	1.1E-07	4.4E-09	9.5E-07	1.3E-06	3.5E-07	1.2E-06	1.4E-07	2.9E-10
INHAL PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	1.3E-08	7.1E-09	9.0E-09	1.7E-08	7.6E-09	6.9E-08	8.8E-08	2.1E-09
TEEN	1.1E-08	6.7E-09	1.2E-08	2.2E-08	9.4E-09	8.5E-08	1.3E-07	2.2E-09
CHILD	5.7E-09	3.6E-09	1.7E-08	2.8E-08	8.5E-09	9.7E-08	1.0E-07	1.9E-09
INFNT	2.5E-09	1.7E-09	1.0E-08	1.5E-08	5.1E-09	8.8E-08	6.7E-08	1.1E-09

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8410 1 1 THRU 84123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.0E-06	1.3E-05
TEEN	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.0E-06	1.3E-05
CHILD	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.0E-06	1.3E-05
INFNT	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.7E-06	4.0E-06	1.3E-05
GROUND PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	3.6E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.6E-06	3.5E-06	4.1E-06
TEEN	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	4.1E-06
CHILD	3.6E-06	3.5E-06	3.5E-06	3.5E-06	3.6E-06	3.5E-06	3.5E-06	4.1E-06
INFNT	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.6E-06	3.5E-06	3.5E-06	4.1E-06
VEGET PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	1.1E-06	3.0E-07	9.0E-07	1.5E-06	5.1E-07	7.1E-07	1.7E-07	8.0E-10
TEEN	9.0E-07	3.0E-07	1.4E-06	2.3E-06	7.7E-07	5.0E-07	3.0E-07	1.0E-09
CHILD	7.0E-07	2.6E-07	3.3E-06	3.0E-06	1.2E-06	8.0E-07	4.4E-07	1.6E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	1.3E-07	1.3E-07	9.1E-08	1.6E-07	5.2E-08	8.5E-08	1.7E-08	1.3E-10
TEEN	6.1E-08	7.0E-08	7.5E-08	1.3E-07	4.1E-08	6.1E-08	1.6E-08	7.6E-11
CHILD	4.5E-08	3.6E-08	1.4E-07	1.6E-07	5.1E-08	9.3E-08	1.8E-08	9.2E-11
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 6840. METERS, WINDS TOWARD SSE								
ADULT	4.3E-08	2.4E-09	3.5E-08	6.0E-08	2.0E-08	1.1E-07	6.5E-09	1.7E-11
TEEN	4.2E-08	3.0E-09	6.3E-08	1.0E-07	3.5E-08	1.7E-07	1.3E-08	2.3E-11
CHILD	3.1E-08	2.1E-09	1.5E-07	1.7E-07	5.7E-08	3.3E-07	2.0E-08	3.6E-11
INFNT	2.0E-08	1.0E-09	2.4E-07	3.3E-07	8.0E-08	0.0E-07	3.5E-08	5.4E-11
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD SSE								
ADULT	0.0E-00	2.7E-09	7.0E-08	1.3E-07	4.5E-08	9.6E-08	1.5E-08	2.8E-11
TEEN	0.4E-08	3.4E-09	1.4E-07	2.3E-07	7.0E-08	1.5E-07	3.0E-08	3.7E-11
CHILD	6.0E-08	2.5E-09	3.4E-07	3.0E-07	1.3E-07	3.0E-07	4.5E-08	5.8E-11
INFNT	6.3E-08	2.4E-09	5.4E-07	7.4E-07	2.0E-07	7.3E-07	8.0E-08	8.8E-11
INHAL PATHWAY, DIST GP= 1, 1893. METERS, WINDS TOWARD SSE								
ADULT	7.0E-09	3.5E-09	5.0E-09	1.0E-08	4.0E-09	5.2E-08	5.3E-08	4.0E-10
TEEN	6.0E-09	3.3E-09	8.0E-09	1.3E-08	5.3E-09	6.5E-08	7.7E-08	4.0E-10
CHILD	2.0E-09	1.5E-09	1.1E-08	1.2E-08	4.0E-09	7.4E-08	6.3E-08	4.4E-10
INFNT	1.2E-09	6.0E-10	6.5E-09	8.0E-09	2.0E-09	6.0E-08	4.1E-08	2.5E-10

ENTER (C) TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8418 1 1 THRU 84123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	8.1E-06	2.2E-05
TEEN	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	8.1E-06	2.2E-05
CHILD	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	8.1E-06	2.2E-05
INFNT	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	7.7E-06	8.1E-06	2.2E-05
GROUND PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	3.2E-06
TEEN	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	3.2E-06
CHILD	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	3.2E-06
INFNT	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	2.7E-06	3.2E-06
VEGET PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	8.9E-07	3.0E-07	7.0E-07	1.2E-06	4.8E-07	7.6E-07	1.3E-07	1.7E-09
TEEN	7.7E-07	3.1E-07	1.1E-06	1.8E-06	6.8E-07	6.3E-07	2.3E-07	1.0E-09
CHILD	6.2E-07	2.8E-07	2.6E-06	3.0E-06	9.6E-07	9.5E-07	3.4E-07	3.0E-09
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S								
ADULT	3.7E-09	3.8E-09	2.6E-09	4.7E-09	1.5E-09	3.4E-09	5.1E-10	1.3E-11
TEEN	1.8E-09	2.0E-09	2.2E-09	3.7E-09	1.2E-09	2.4E-09	4.6E-10	7.7E-12
CHILD	1.3E-09	1.0E-09	3.0E-09	4.0E-09	1.5E-09	3.7E-09	5.3E-10	9.3E-12
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD S								
ADULT	1.7E-08	1.0E-09	1.4E-08	2.4E-08	8.1E-09	5.8E-08	2.6E-09	2.1E-11
TEEN	1.7E-08	1.2E-09	2.5E-08	4.1E-08	1.4E-08	9.1E-08	5.2E-09	2.7E-11
CHILD	1.3E-08	8.8E-10	5.9E-08	6.9E-08	2.3E-08	1.8E-07	7.9E-09	4.3E-11
INFNT	1.2E-08	8.3E-10	9.5E-08	1.3E-07	3.6E-08	4.4E-07	1.4E-08	6.5E-11
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD S								
ADULT	5.2E-08	1.5E-09	4.2E-08	7.1E-08	2.4E-08	6.9E-08	7.8E-09	4.2E-11
TEEN	5.8E-08	1.0E-09	7.4E-08	1.2E-07	4.1E-08	1.1E-07	1.6E-08	5.5E-11
CHILD	3.7E-08	1.4E-09	1.0E-07	2.1E-07	6.7E-08	2.2E-07	2.4E-08	8.7E-11
INFNT	3.4E-08	1.4E-09	2.8E-07	3.0E-07	1.0E-07	5.3E-07	4.2E-08	1.3E-10
INHAL PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.2E-08	6.4E-09	9.8E-09	1.6E-08	6.5E-09	8.4E-08	9.6E-08	9.3E-10
TEEN	9.6E-09	6.0E-09	1.2E-08	2.1E-08	8.4E-09	1.0E-07	1.4E-07	9.3E-10
CHILD	4.7E-09	2.7E-09	1.7E-08	2.0E-08	7.6E-09	1.2E-07	1.1E-07	8.3E-10
INFNT	2.0E-09	1.1E-09	1.0E-08	1.4E-08	4.5E-09	1.1E-07	7.4E-08	4.7E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8410 1 1 THRU 84123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	3.6E-04
TEEN	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	3.6E-04
CHILD	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	3.6E-04
INFNT	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	3.6E-04
GROUND PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	6.5E-06
TEEN	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	6.5E-06
CHILD	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	6.5E-06
INFNT	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	5.6E-06	6.5E-06
VEGET PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.8E-06	6.7E-07	1.4E-06	2.4E-06	8.2E-07	1.6E-06	2.9E-07	3.7E-08
TEEN	1.6E-06	6.9E-07	2.2E-06	3.6E-06	1.2E-06	1.3E-06	4.9E-07	4.2E-08
CHILD	1.3E-06	4.9E-07	5.8E-06	6.9E-06	1.9E-06	2.0E-06	7.3E-07	6.5E-08
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD SSW								
ADULT	3.9E-09	4.2E-09	2.6E-09	4.9E-09	1.7E-09	3.7E-09	6.7E-10	1.8E-10
TEEN	1.9E-09	2.3E-09	2.2E-09	3.8E-09	1.3E-09	2.7E-09	5.6E-10	1.1E-10
CHILD	1.5E-09	1.2E-09	3.0E-09	4.0E-09	1.6E-09	4.0E-09	6.5E-10	1.3E-10
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD SSW								
ADULT	2.8E-09	2.1E-09	2.3E-08	3.9E-08	1.4E-08	9.8E-08	4.6E-09	4.1E-10
TEEN	2.8E-08	2.6E-09	4.9E-09	6.8E-08	2.3E-08	1.6E-07	9.8E-09	5.4E-10
CHILD	2.1E-08	2.3E-09	9.6E-08	1.1E-07	3.8E-08	3.1E-07	1.4E-08	8.5E-10
INFNT	2.1E-08	2.6E-09	1.5E-07	2.2E-07	6.8E-08	7.4E-07	2.4E-08	1.3E-09
GOAT PATHWAY, DIST GP= 1, 8845. METERS, WINDS TOWARD SSW								
ADULT	8.5E-08	3.2E-09	6.7E-08	1.2E-07	3.9E-08	1.2E-07	1.3E-08	8.5E-10
TEEN	8.2E-08	4.0E-09	1.2E-07	2.0E-07	6.8E-08	1.9E-07	2.6E-08	1.1E-09
CHILD	6.1E-08	3.9E-09	2.9E-07	3.4E-07	1.1E-07	3.7E-07	4.0E-08	1.7E-09
INFNT	5.7E-08	4.7E-09	4.6E-07	6.4E-07	1.7E-07	0.0E-07	7.1E-08	2.7E-09
INHAL PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	3.6E-08	2.8E-08	1.3E-08	4.1E-08	2.8E-08	2.0E-07	1.5E-07	2.8E-08
TEEN	3.3E-08	2.7E-08	1.7E-08	4.8E-08	3.1E-08	2.4E-07	2.1E-07	2.8E-08
CHILD	2.4E-08	2.1E-08	2.3E-08	4.4E-08	2.8E-08	2.7E-07	1.8E-07	1.8E-08
INFNT	1.3E-08	1.1E-08	1.4E-08	2.9E-08	1.6E-08	2.4E-07	1.1E-07	1.0E-08

ENTER [C] TO CONTINUE

APPENDIX 2.1

SUMMARY OF HOURLY METEOROLOGICAL DATA FOR THIRD QUARTER OF 1984

Attachment
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
Third Quarter (7/1/84 - 9/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	46	10	0	0	0	58
NNE	6	27	44	3	0	0	80
NE	5	7	10	2	0	0	24
ENE	4	6	2	0	0	0	13
E	4	8	4	0	0	0	16
ESE	4	7	5	1	0	0	17
SE	2	10	10	2	0	0	24
SSE	1	7	9	1	0	0	18
S	3	21	2	0	0	0	26
SSW	4	14	8	0	0	0	26
SW	1	5	8	0	0	0	14
WSW	4	22	6	0	0	0	32
W	5	19	12	2	0	0	38
WNW	11	32	13	3	0	0	59
NW	14	38	27	1	0	0	80
NNW	6	38	31	3	0	0	78
TOTAL	76	307	201	18	0	0	603

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 20
HOURS OF MISSING DATA: 47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	1	0	0	0	1
NNE	0	0	2	1	0	0	3
NE	0	2	0	0	0	0	2
ENE	0	0	0	0	0	0	0
E	1	1	0	0	0	0	2
ESE	0	0	1	0	0	0	1
SE	1	0	1	0	0	0	2
SSE	2	2	1	0	0	0	5
S	0	1	0	0	0	0	1
SSW	2	5	0	0	0	0	7
SW	1	2	1	0	0	0	4
WSW	1	7	2	0	0	0	10
W	0	7	1	1	0	0	9
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	2	2	1	1	0	0	6
TOTAL	10	29	11	3	0	0	53

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	0	0	0	0	1
NNE	1	1	2	0	0	0	4
NE	2	2	2	1	0	0	7
ENE	0	0	0	0	0	0	0
E	1	1	0	0	0	0	2
ESE	0	2	1	1	0	0	4
SE	0	1	2	0	0	0	3
SSE	0	1	0	0	0	0	1
S	1	1	1	0	0	0	3
SSW	0	2	1	0	0	0	3
SW	2	1	0	0	0	0	3
WSW	1	7	6	0	0	0	14
W	0	3	0	1	0	0	4
WNW	0	0	0	1	0	0	1
NW	0	1	0	0	0	0	1
NNW	0	0	2	0	0	0	2
TOTAL	9	23	17	4	0	0	53

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 4
HOURS OF MISSING DATA: 47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	3	10	6	0	0	19
NNE	0	4	9	0	0	0	13
NE	2	7	12	1	0	0	22
ENE	3	6	1	0	0	0	10
E	2	10	4	0	0	0	16
ESE	2	9	3	3	0	0	17
SE	2	9	4	0	0	0	15
SSE	5	6	1	0	0	0	12
S	4	7	3	0	0	0	14
SSW	2	18	3	0	0	0	23
SW	4	17	7	0	0	0	28
WSW	5	28	27	6	0	0	66
W	3	10	7	5	0	0	25
WNW	1	3	5	0	0	0	9
NW	1	2	2	6	8	1	20
NNW	2	1	9	15	1	0	28
TOTAL	38	140	107	42	9	1	337

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 11
HOURS OF MISSING DATA: 47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	8	6	1	0	0	15
NNE	3	13	1	2	0	0	19
NE	2	23	24	1	0	0	50
ENE	1	13	4	1	0	0	19
E	7	17	7	0	0	0	31
ESE	4	13	8	2	0	0	27
SE	4	22	14	0	0	0	40
SSE	8	18	4	0	0	0	30
S	8	26	4	0	0	0	38
SSW	10	47	5	0	0	0	62
SW	10	46	34	2	0	0	92
WSW	5	38	45	19	1	0	108
W	4	8	7	0	0	0	19
WNW	5	2	5	3	0	0	15
NW	3	9	9	3	2	0	26
NNW	3	9	9	3	0	0	24
TOTAL	77	312	186	37	3	0	615

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 14
HOURS OF MISSING DATA: 47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	4	0	0	0	0	6
NNE	5	3	0	0	0	0	8
NE	8	13	1	0	0	0	22
ENE	8	6	0	0	0	0	14
E	6	21	9	0	0	0	36
ESE	7	32	8	0	0	0	47
SE	9	32	3	0	0	0	44
SSE	6	10	0	0	0	0	16
S	8	19	1	0	0	0	28
SSW	9	34	1	0	0	0	44
SW	6	23	2	0	0	0	31
WSW	10	12	2	0	0	0	24
W	3	5	1	0	0	0	9
WNW	1	1	1	0	0	0	3
NW	4	3	0	0	0	0	8
NNW	2	0	0	0	0	0	2
TOTAL	94	218	29	0	0	0	342

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 16
HOURS OF MISSING DATA: 47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	0	0	0	0	1
NNE	1	0	0	0	0	0	1
NE	1	3	0	0	0	0	4
ENE	2	5	1	0	0	0	8
E	1	14	0	0	0	0	15
ESE	3	16	10	0	0	0	29
SE	1	28	2	0	0	0	31
SSE	2	22	0	0	0	0	24
S	2	9	1	0	0	0	12
SSW	2	22	1	0	0	0	25
SW	0	4	1	0	0	0	5
WSW	0	1	0	0	0	0	1
W	1	0	0	0	0	0	1
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	1	0	0	0	0	1
TOTAL	17	125	16	0	0	0	158

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 6
HOURS OF MISSING DATA: 47

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	6	61	27	7	0	0	101
NNE	16	48	58	6	0	0	128
NE	20	57	49	5	0	0	131
ENE	18	36	8	1	0	0	64
E	22	72	24	0	0	0	118
ESE	20	79	36	7	0	0	142
SE	19	102	36	2	0	0	159
SSE	24	66	15	1	0	0	106
S	26	84	12	0	0	0	122
SSW	29	142	19	0	0	0	190
SW	24	98	53	2	0	0	177
WSW	26	115	88	25	1	0	255
W	16	52	28	9	0	0	105
WNW	18	38	24	7	0	0	87
NW	22	53	38	10	10	1	135
NNW	15	51	52	22	1	0	141
TOTAL	321	1154	567	104	12	1	2161

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 72
HOURS OF MISSING DATA: 47

Attachment 10A
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Third Quarter (7/1/84 - 9/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5	29	63	19	2	0	118
NNE	4	7	13	34	3	0	61
NE	3	3	1	0	0	0	7
ENE	1	4	6	0	0	0	11
E	5	4	7	1	0	0	17
ESE	0	2	4	2	0	0	8
SE	1	6	8	6	2	0	23
SSE	0	2	6	9	6	0	23
S	1	4	22	10	6	0	43
SSW	1	4	9	9	7	0	30
SW	1	4	12	2	0	0	19
WSW	1	9	6	1	3	0	20
W	2	16	14	1	1	0	34
WNW	1	31	14	6	0	0	52
NW	5	26	15	11	0	0	57
NNW	3	21	34	19	1	0	78
TOTAL	34	172	234	130	31	0	601

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 12
HOURS OF MISSING DATA: 57

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	1	3	1	0	6
NNE	0	0	1	1	1	0	3
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	2	0	0	0	0	2
ESE	0	1	0	0	0	0	1
SE	0	0	0	1	0	0	1
SSE	0	0	0	1	0	0	1
S	2	1	2	0	0	0	5
SSW	0	0	4	0	0	0	4
SW	0	5	4	0	1	0	10
WSW	0	4	1	2	0	0	7
W	0	6	1	0	1	0	8
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	1	1	0	0	2
TOTAL	2	20	15	9	4	0	50

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 57

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	2	0	3	0	0	6
NNE	0	0	0	2	1	0	3
NE	0	2	0	0	0	0	2
ENE	0	1	0	0	0	0	1
E	2	1	1	0	0	0	4
ESE	0	0	1	1	0	0	2
SE	0	2	0	1	0	0	3
SSE	0	0	1	2	0	0	3
S	0	2	1	1	0	0	4
SSW	0	3	0	4	0	0	7
SW	0	4	4	0	0	0	8
WSW	0	0	1	1	0	0	2
W	0	3	3	2	0	0	8
WNW	0	0	0	0	0	0	0
NW	0	1	0	0	1	0	2
NNW	0	0	0	1	0	0	1
TOTAL	3	21	12	18	2	0	56

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 57

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	1	9	5	1	17
NNE	4	4	7	9	0	0	24
NE	0	7	5	1	0	0	13
ENE	2	3	10	0	0	0	15
E	2	3	7	2	0	0	14
ESE	0	1	4	3	0	0	8
SE	0	2	1	3	1	0	7
SSE	3	0	1	7	0	0	11
S	0	4	1	6	2	0	13
SSW	2	10	12	6	3	0	33
SW	2	11	20	8	2	0	43
WSW	0	14	21	12	6	0	53
W	2	9	9	4	3	0	27
WNW	0	1	1	6	0	0	8
NW	2	2	2	3	1	8	18
NNW	2	3	2	6	18	7	38
TOTAL	22	74	104	85	41	16	342

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 5
HOURS OF MISSING DATA: 57

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	7	4	5	1	0	18
NNE	0	6	18	14	2	0	40
NE	0	3	18	7	0	0	28
ENE	1	9	15	1	0	0	26
E	0	9	14	4	0	0	27
ESE	0	4	4	5	1	0	14
SE	2	1	8	13	1	0	25
SSE	2	4	8	15	4	0	33
S	1	6	18	31	9	0	65
SSW	4	7	33	29	1	0	74
SW	1	11	35	26	12	2	87
WSW	3	24	39	24	11	3	104
W	1	9	8	4	0	0	22
WNW	3	1	3	5	1	0	13
NW	2	5	7	2	3	2	21
NNW	1	6	6	10	7	0	30
TOTAL	22	112	238	195	53	7	627

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 57

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	1	0	0	0	4
NNE	1	6	3	0	0	0	10
NE	3	11	10	1	0	0	25
ENE	1	14	11	0	0	0	26
E	0	9	12	11	0	0	32
ESE	1	6	12	7	0	0	26
SE	1	2	3	6	0	0	12
SSE	0	5	5	10	1	0	21
S	1	3	10	10	1	0	25
SSW	1	5	20	15	0	0	41
SW	2	4	21	7	0	0	34
WSW	2	5	13	2	0	0	22
W	7	6	2	1	0	0	16
WNW	0	2	1	0	0	0	3
NW	2	1	0	1	0	0	4
NNW	2	4	1	0	0	0	7
TOTAL	24	85	125	71	2	0	308

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 3
HOURS OF MISSING DATA: 57

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	1	0	0	0	0	1
NE	0	2	3	0	0	0	5
ENE	2	6	8	1	0	0	17
E	3	1	7	10	0	0	21
ESE	2	3	9	8	0	0	22
SE	1	5	14	2	0	0	22
SSE	0	2	10	4	0	0	16
S	0	0	6	15	0	0	21
SSW	1	0	5	6	0	0	12
SW	1	3	17	4	0	0	25
WSW	0	1	1	0	0	0	2
W	0	0	1	0	0	0	1
WNW	1	0	0	0	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	1	0	0	0	0	1
TOTAL	11	25	81	50	0	0	167

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 57

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84070101-84093024
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	8	41	70	39	9	1	169
NNE	9	24	42	60	7	0	142
NE	6	28	37	9	0	0	80
ENE	7	37	50	2	0	0	96
E	12	29	48	28	0	0	117
ESE	3	17	34	26	1	0	81
SE	5	18	34	32	4	0	93
SSE	5	13	31	48	11	0	108
S	5	20	60	73	18	0	176
SSW	9	29	83	69	11	0	201
SW	7	42	113	47	15	2	226
WSW	6	57	82	42	20	3	210
W	12	49	38	12	5	0	116
WNW	5	35	19	17	1	0	77
NW	11	35	24	17	5	10	102
NNW	8	35	44	37	26	7	157
TOTAL	118	509	809	558	133	23	2151

PERIODS OF CALM(HOURS): 1
VARIABLE DIRECTION 24
HOURS OF MISSING DATA: 57

APPENDIX 2.2

SUMMARY OF HOURLY METEOROLOGICAL DATA FOR FOURTH QUARTER OF 1984

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	6	2	1	0	0	9
NNE	1	5	3	0	0	0	9
NE	0	1	0	0	0	0	1
ENE	1	0	1	0	0	0	2
E	0	2	0	0	0	0	2
ESE	0	4	3	0	0	1	8
SE	0	5	8	0	0	0	13
SSE	3	5	8	0	0	0	16
S	2	7	4	0	0	0	13
SSW	1	1	10	1	0	0	13
SW	0	0	4	1	0	0	5
WSW	0	0	1	4	0	0	5
W	1	1	1	1	0	0	4
WNW	0	13	3	0	12	3	31
NW	2	17	11	2	0	0	32
NNW	1	12	10	1	1	0	25
TOTAL	12	79	69	11	13	4	188

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 7
HOURS OF MISSING DATA: 35

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	4	0	0	0	0	4
NNE	0	1	2	0	0	0	3
NE	0	1	0	0	0	0	1
ENE	0	0	0	0	0	0	0
E	0	2	0	0	0	0	2
ESE	0	0	2	0	0	0	2
SE	1	1	1	1	0	0	4
SSE	0	1	5	0	0	0	6
S	0	0	1	0	0	0	1
SSW	0	1	1	0	0	0	2
SW	0	1	3	3	0	0	7
WSW	0	4	5	1	1	0	11
W	0	1	1	2	0	1	5
WNW	0	0	3	1	1	1	6
NW	0	1	1	1	4	0	7
NNW	0	0	0	1	0	0	1
TOTAL	1	18	25	10	6	2	62

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 35

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	2	0	0	0	2
NE	1	1	0	0	0	0	2
ENE	0	0	0	0	0	0	0
E	0	0	1	0	0	0	1
ESE	0	4	3	1	0	0	8
SE	1	0	2	2	0	0	5
SSE	1	4	2	0	0	0	7
S	0	1	0	0	0	0	1
SSW	0	3	0	0	0	0	3
SW	0	1	5	0	0	0	6
WSW	1	0	3	1	1	0	6
W	0	0	0	2	1	4	7
WNW	0	0	0	5	4	6	15
NW	1	1	2	1	6	5	16
NNW	1	1	3	0	1	0	6
TOTAL	6	16	23	12	13	15	85

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 35

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	5	7	0	0	0	15
NNE	4	7	24	15	6	0	56
NE	1	15	12	5	0	0	33
ENE	3	3	11	0	0	0	17
E	1	10	13	8	0	0	32
ESE	1	27	54	25	1	0	108
SE	11	40	64	26	1	0	142
SSE	3	23	37	9	0	0	72
S	3	26	12	3	0	0	44
SSW	3	14	22	2	1	0	42
SW	2	21	33	11	2	0	69
WSW	4	9	21	25	19	0	78
W	1	5	16	40	49	26	137
WNW	0	4	11	27	22	2	66
NW	0	4	13	34	18	5	74
NNW	0	5	20	7	3	0	35
TOTAL	40	218	370	237	122	33	1020

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 7
HOURS OF MISSING DATA: 35

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	7	2	2	2	0	15
NNE	3	4	4	0	0	0	11
NE	1	10	2	0	0	0	13
ENE	1	7	9	0	0	0	17
E	5	14	8	0	0	0	27
ESE	3	23	29	2	0	0	57
SE	3	29	58	13	0	0	103
SSE	1	27	38	3	0	0	69
S	4	40	14	2	0	0	60
SSW	1	29	27	1	0	0	58
SW	0	10	20	11	18	0	59
WSW	0	6	16	12	1	0	35
W	2	2	0	9	3	1	17
WNW	0	2	3	2	1	0	8
NW	0	6	3	0	1	0	10
NNW	1	4	6	5	0	0	16
TOTAL	27	220	239	62	26	1	575

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 13
HOURS OF MISSING DATA: 35

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	3	0	0	0	0	4
NNE	2	0	0	0	0	0	2
NE	0	0	0	0	0	0	0
ENE	0	5	0	0	0	0	5
E	2	11	3	0	0	0	16
ESE	0	18	11	0	0	0	29
SE	2	12	7	0	0	0	21
SSE	0	17	2	0	0	0	19
S	1	19	0	0	0	0	20
SSW	1	11	5	0	0	0	17
SW	0	6	0	1	7	0	14
WSW	0	0	1	5	4	0	10
W	0	0	0	1	0	0	1
WNW	1	0	0	0	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	10	102	29	7	11	0	159

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 3
HOURS OF MISSING DATA: 35

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	0	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	1	3	0	0	0	0	4
E	0	5	1	0	0	0	6
ESE	1	8	5	0	0	0	14
SE	0	8	0	0	0	0	8
SSE	0	14	1	0	0	0	15
S	0	16	1	0	0	0	17
SSW	0	12	4	0	0	0	16
SW	0	2	0	0	0	0	2
WSW	0	0	0	0	1	0	1
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	2	69	12	0	1	0	84

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 35

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	6	26	11	3	2	0	48
NNE	10	17	35	15	6	0	83
NE	3	28	14	5	0	0	50
ENE	6	18	21	0	0	0	45
E	8	44	26	8	0	0	86
ESE	5	84	107	28	1	1	226
SE	18	95	140	42	1	0	296
SSE	8	91	93	12	0	0	204
S	10	109	32	5	0	0	156
SSW	6	71	69	4	1	0	151
SW	2	41	65	27	27	0	162
WSW	5	19	47	48	27	0	146
W	4	9	18	55	53	32	171
WNW	1	19	20	35	40	12	127
NW	3	29	30	38	29	10	139
NNW	3	22	39	14	5	0	83
TOTAL	98	722	767	339	192	55	2173

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 31
HOURS OF MISSING DATA: 35

Attachment 16B
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Fourth Quarter (10/1/84 - 12/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	7	6	2	0	0	16
NNE	0	1	2	1	0	0	4
NE	1	0	1	0	0	0	2
ENE	0	0	1	0	0	0	1
E	0	2	0	0	0	0	2
ESE	0	2	3	1	0	0	6
SE	0	2	3	3	0	0	8
SSE	0	1	7	7	3	0	18
S	1	6	3	10	0	0	20
SSW	0	1	1	11	1	0	14
SW	0	0	0	2	0	0	2
WSW	1	0	0	3	1	1	6
W	0	1	1	0	0	0	2
WNW	0	5	2	1	3	4	15
NW	1	10	12	6	3	9	41
NNW	1	9	8	13	1	1	33
TOTAL	6	47	50	60	12	15	190

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 28

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	3	0	1	0	6
NNE	0	1	1	1	0	0	3
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	1	0	0	0	1
ESE	0	1	0	1	0	0	2
SE	0	1	2	1	0	0	4
SSE	0	0	1	1	1	0	3
S	0	0	1	3	1	0	5
SSW	0	0	1	2	0	0	3
SW	0	0	1	5	2	0	8
WSW	0	1	2	4	0	2	9
W	0	1	1	1	1	1	5
WNW	0	0	0	1	1	1	3
NW	0	1	3	1	1	3	9
NNW	0	0	0	0	0	2	2
TOTAL	0	8	17	21	8	9	63

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 28

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	1	0	1	0	3
NNE	0	0	0	2	0	0	2
NE	0	2	0	0	0	0	2
ENE	0	0	0	0	0	0	0
E	0	0	1	0	0	0	1
ESE	0	1	1	1	0	0	3
SE	0	1	3	2	3	0	9
SSE	1	2	1	3	0	0	7
S	0	0	1	1	0	0	2
SSW	0	1	3	0	0	0	4
SW	0	0	1	4	0	0	5
WSW	1	0	1	3	0	1	6
W	0	0	0	0	1	5	6
WNW	0	0	0	2	3	8	13
NW	0	0	1	1	2	8	12
NNW	1	2	0	3	1	4	11
TOTAL	4	9	14	22	11	26	86

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 28

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	6	7	17	1	1	34
NNE	3	4	19	11	14	5	56
NE	1	9	14	0	1	0	25
ENE	3	1	15	5	0	0	24
E	1	3	16	10	3	0	33
ESE	2	5	19	16	6	1	49
SE	3	14	57	61	23	6	164
SSE	2	4	17	24	28	2	77
S	0	7	30	19	13	1	70
SSW	0	6	20	27	8	1	62
SW	2	5	19	22	12	3	63
WSW	0	6	11	8	15	20	60
W	1	3	5	22	29	55	115
WNW	1	3	8	27	16	18	73
NW	0	4	4	20	25	29	82
NNW	1	3	6	13	7	7	37
TOTAL	22	83	267	302	201	149	1024

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 7
HOURS OF MISSING DATA: 28

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	7	1	3	6	1	21
NNE	1	3	2	3	0	0	9
NE	2	3	10	0	0	0	15
ENE	3	3	9	3	0	0	18
E	1	13	7	9	0	0	30
ESE	4	6	16	9	0	0	35
SE	2	9	13	39	12	1	76
SSE	0	0	13	34	27	4	78
S	0	6	27	24	15	2	74
SSW	1	2	23	38	8	2	74
SW	0	3	11	19	6	23	62
WSW	1	2	3	11	8	6	31
W	0	2	1	4	6	3	16
WNW	1	3	1	3	2	1	11
NW	0	1	5	0	0	1	7
NNW	1	2	7	1	5	1	17
TOTAL	20	65	149	200	95	45	574

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 10
HOURS OF MISSING DATA: 28

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	1	0	0	0	0	4
NNE	0	0	0	0	0	0	0
NE	1	2	1	0	0	0	4
ENE	1	1	4	2	0	0	8
E	0	6	13	4	0	0	23
ESE	0	1	8	2	0	0	11
SE	0	1	7	12	0	0	20
SSE	0	4	1	4	0	0	9
S	1	2	10	10	0	0	23
SSW	0	0	6	10	0	0	16
SW	0	1	11	4	0	9	25
WSW	1	0	1	1	2	4	9
W	0	0	0	0	2	1	3
WNW	0	0	1	0	0	0	1
NW	0	1	0	0	0	0	1
NNW	0	0	2	0	0	0	2
TOTAL	7	20	65	49	4	14	159

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 3
HOURS OF MISSING DATA: 28

SITE: AEP.COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	0	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	2	0	0	0	0	2
ENE	0	1	3	0	0	0	4
E	1	1	5	1	0	0	8
ESE	0	1	0	0	0	0	1
SE	0	0	4	10	0	0	14
SSE	0	0	6	2	0	0	8
S	0	0	3	11	0	0	14
SSW	0	0	4	12	0	0	16
SW	2	0	8	5	0	0	15
WSW	0	0	0	0	0	1	1
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	3	6	33	41	0	1	84

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 28

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84100101-84123124
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	10	24	18	22	9	2	85
NNE	4	9	24	18	14	5	74
NE	5	18	26	0	1	0	50
ENE	7	6	32	10	0	0	55
E	3	25	43	24	3	0	98
ESE	6	17	47	30	6	1	107
SE	5	28	89	128	38	7	295
SSE	3	11	46	75	59	6	200
S	2	21	75	78	29	3	208
SSW	1	10	58	100	17	3	189
SW	4	9	51	61	20	35	180
WSW	4	9	18	30	26	35	122
W	1	7	8	27	39	65	147
WNW	2	11	12	34	25	32	116
NW	1	17	25	28	31	50	152
NNW	4	16	23	30	14	15	102
TOTAL	62	238	595	695	331	259	2180

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 23
HOURS OF MISSING DATA: 28

APPENDIX 2.3

METEOROLOGICAL DATA
FOR SECOND SIX MONTHS OF 1984

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR JULY 1, 1984

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	47	0	52	0	78	0	90	0	0	0	0	0	62	0	79	45	57	0	71	37	52	0	62	48	52	0	61	43	0	0	0	0	0	0
200	57	0	53	0	113	0	121	0	0	0	0	0	82	0	96	71	81	0	106	61	75	0	81	66	74	0	79	65	0	0	0	0	0	0
300	67	0	68	0	108	0	128	0	0	0	0	0	74	0	78	69	71	0	92	59	69	0	78	62	69	0	76	64	0	0	0	0	0	0
400	91	0	85	0	158	0	157	0	0	0	0	0	98	0	113	87	99	0	129	81	87	0	93	82	88	0	99	82	0	0	0	0	0	0
500	75	0	71	0	148	0	148	0	0	0	0	0	107	0	115	96	108	0	126	82	99	0	103	98	100	0	102	97	0	0	0	0	0	0
600	65	0	60	0	112	0	114	0	0	0	0	0	97	0	106	83	96	0	114	79	100	0	103	95	101	0	103	95	0	0	0	0	0	0
700	64	0	58	0	109	0	109	0	0	0	0	0	106	0	126	85	104	0	129	82	99	0	120	85	99	0	112	85	0	0	0	0	0	0
800	43	0	40	0	47	0	51	0	0	0	0	0	90	0	132	39	90	0	140	26	93	0	143	34	93	0	147	55	0	0	0	0	0	0
900	23	0	20	0	30	0	37	0	0	0	0	0	42	3	137	273	78	3	164	0	80	3	157	2	77	0	137	0	0	0	0	0	0	0
1000	51	0	48	0	52	0	51	0	0	0	0	0	351	0	39	305	343	0	47	274	2	0	26	350	358	0	21	331	0	0	0	0	0	0
1100	63	0	61	0	85	0	88	0	0	0	0	0	14	0	89	315	6	0	93	284	4	0	44	304	359	0	37	307	0	0	0	0	0	0
1200	51	0	48	0	69	0	75	0	0	0	0	0	22	0	84	275	21	0	115	274	4	0	67	319	358	0	67	309	0	0	0	0	0	0
1300	72	0	73	0	112	0	114	0	0	0	0	0	22	0	85	290	17	0	113	287	7	0	62	299	3	0	71	319	0	0	0	0	0	0
1400	118	0	111	0	151	0	151	0	0	0	0	0	25	0	67	333	17	0	82	307	15	0	47	328	10	0	42	329	0	0	0	0	0	0
1500	92	0	93	0	126	0	125	0	0	0	0	0	36	0	85	8	31	0	113	349	21	0	39	350	16	0	48	338	0	0	0	0	0	0
1600	102	0	100	0	127	0	124	0	0	0	0	0	37	0	79	0	28	0	88	347	25	0	47	359	22	0	57	352	0	0	0	0	0	0
1700	100	0	95	0	128	0	126	0	0	0	0	0	28	0	84	291	29	0	154	331	20	0	48	333	17	0	45	350	0	0	0	0	0	0
1800	89	0	85	0	124	0	122	0	0	0	0	0	33	0	66	300	27	0	117	342	25	0	57	342	19	0	46	335	0	0	0	0	0	0
1900	72	0	72	0	102	0	101	0	0	0	0	0	39	0	140	17	28	0	84	215	27	0	53	356	23	0	57	347	0	0	0	0	0	0
2000	64	0	60	0	108	0	107	0	0	0	0	0	38	0	76	18	31	0	92	1	28	0	48	12	26	0	47	9	0	0	0	0	0	0
2100	69	0	63	0	104	0	103	0	0	0	0	0	28	0	49	359	21	0	60	349	17	0	40	6	14	0	27	0	0	0	0	0	0	0
2200	67	0	61	0	110	0	107	0	0	0	0	0	33	0	69	12	26	0	71	353	25	0	38	8	22	0	33	10	0	0	0	0	0	0
2300	53	0	52	0	104	0	103	0	0	0	0	0	44	0	59	31	37	0	59	15	38	0	47	29	34	0	44	26	0	0	0	0	0	0
2400	59	0	54	0	79	0	96	0	0	0	0	0	92	0	101	87	91	0	106	82	64	0	68	57	63	0	67	59	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	588	0	583	0	315	2	315	2	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	586	0	579	0	315	2	315	2	320	0	320	0	54	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	572	0	567	0	315	2	315	2	320	0	320	0	54	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	581	0	574	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	568	0	561	0	315	2	315	2	320	0	320	0	40	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	561	0	554	0	315	2	315	2	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	601	0	595	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	666	0	662	0	315	2	315	2	320	0	320	0	-32	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	709	0	707	0	315	2	315	2	320	0	320	0	-32	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	689	0	685	0	315	2	315	2	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	689	0	685	0	315	2	315	2	320	0	320	0	-31	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	714	0	712	0	315	2	315	2	320	0	320	0	-45	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	705	0	703	0	315	2	315	2	320	0	320	0	-49	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	700	0	694	0	315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	700	0	698	0	315	2	315	2	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	711	0	707	0	315	2	315	2	320	0	320	0	-27	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	705	0	702	0	315	2	315	2	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	689	0	685	0	315	2	315	2	320	0	320	0	-22	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	684	0	678	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	657	0	649	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	631	0	624	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	624	0	619	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	619	0	612	0	315	2	315	2	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	619	0	610	0	315	2	315	2	320	0	320	0	38	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR JULY 2, 1984 PAGE 2

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	63	0	59	0	100	0	106	0	0	0	0	0	108	0	116	100	109	0	127	93	74	0	80	69	73	0	79	68	0	0	0	0	0	0
200	65	0	60	0	94	0	112	0	0	0	0	0	95	0	101	91	94	0	102	90	70	0	72	66	68	0	71	65	0	0	0	0	0	0
300	64	0	58	0	107	0	107	0	0	0	0	0	115	0	118	111	116	0	125	113	88	0	93	86	89	0	93	86	0	0	0	0	0	0
400	29	0	26	0	26	0	30	0	0	0	0	0	278	0	313	217	272	0	305	184	138	0	269	96	140	0	267	90	0	0	0	0	0	0
500	21	0	21	0	63	0	66	0	0	0	0	0	106	3	151	62	96	3	127	48	112	0	124	104	115	0	123	107	0	0	0	0	0	0
600	32	0	30	0	69	0	73	0	0	0	0	0	114	0	146	270	124	3	140	0	121	0	162	88	124	0	134	109	0	0	0	0	0	0
700	33	0	30	0	11	0	13	0	0	0	0	0	318	0	348	300	311	0	340	281	274	3	333	181	267	3	349	180	0	0	0	0	0	0
800	20	0	16	0	28	0	31	0	0	0	0	0	76	3	103	37	75	3	124	26	88	3	122	46	91	0	144	49	0	0	0	0	0	0
900	23	0	21	0	23	0	26	0	0	0	0	0	27	3	142	292	11	3	110	270	24	3	131	323	26	3	129	304	0	0	0	0	0	0
1000	36	0	35	0	41	0	47	0	0	0	0	0	314	0	358	230	306	0	348	228	323	0	357	290	317	0	351	270	0	0	0	0	0	0
1100	40	0	40	0	56	0	61	0	0	0	0	0	325	0	13	272	320	0	147	270	330	0	33	292	323	0	4	279	0	0	0	0	0	0
1200	63	0	57	0	81	0	81	0	0	0	0	0	333	0	7	280	328	0	26	270	339	0	5	306	334	0	359	308	0	0	0	0	0	0
1300	42	0	40	0	54	0	57	0	0	0	0	0	322	0	20	271	306	0	357	206	329	0	2	290	321	0	358	251	0	0	0	0	0	0
1400	50	0	44	0	61	0	63	0	0	0	0	0	337	0	97	276	328	0	13	277	332	0	349	312	326	0	8	298	0	0	0	0	0	0
1500	20	0	16	0	27	0	29	0	0	0	0	0	13	3	125	300	10	3	161	282	0	3	88	285	1	3	86	296	0	0	0	0	0	0
1600	48	0	41	0	56	0	55	0	0	0	0	0	347	0	20	302	342	0	20	273	355	0	28	330	350	0	24	323	0	0	0	0	0	0
1700	31	0	28	0	31	0	32	0	0	0	0	0	338	0	47	276	332	3	56	273	352	0	25	312	348	0	28	324	0	0	0	0	0	0
1800	17	0	14	0	15	0	17	0	0	0	0	0	38	3	119	285	35	3	127	324	27	3	66	338	27	3	77	344	0	0	0	0	0	0
1900	0	4	12	0	15	0	21	0	0	0	0	0	58	3	95	24	50	3	120	7	56	3	83	25	56	3	90	20	0	0	0	0	0	0
2000	24	0	20	0	27	0	29	0	0	0	0	0	112	0	121	101	114	5	128	100	104	0	111	93	106	0	113	94	0	0	0	0	0	0
2100	51	0	46	0	55	0	58	0	0	0	0	0	144	0	165	357	142	0	162	128	134	0	142	129	137	0	145	132	0	0	0	0	0	0
2200	56	0	51	0	76	0	79	0	0	0	0	0	144	0	162	116	142	0	159	114	144	0	145	142	147	0	148	145	0	0	0	0	0	0
2300	57	0	50	0	102	0	107	0	0	0	0	0	150	0	199	111	149	0	204	114	161	0	162	158	163	0	164	161	0	0	0	0	0	0
2400	57	0	52	0	111	0	99	0	0	0	0	0	161	0	192	117	153	0	213	115	170	0	172	167	171	0	174	169	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	621	0	612	0	315	2	315	2	320	0	320	0	45	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	624	0	617	0	315	2	315	2	320	0	320	0	47	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	621	0	613	0	315	2	315	2	320	0	320	0	59	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	606	0	597	0	315	2	315	2	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	595	0	586	0	315	2	315	2	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	603	0	597	0	315	2	315	2	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	613	0	608	0	315	2	313	2	320	0	320	0	31	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	693	0	689	0	315	2	315	2	320	0	320	0	-18	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	711	0	709	0	315	2	315	2	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	698	0	696	0	315	2	315	2	320	0	320	0	-36	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	687	0	684	0	315	2	315	2	320	0	320	0	-40	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	707	0	703	0	315	2	315	2	320	0	320	0	-50	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	757	0	756	0	315	2	315	2	320	0	320	0	-4	2	-4	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	756	0	754	0	315	2	315	2	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	793	0	793	0	315	2	315	2	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	774	0	770	0	315	2	315	2	320	0	320	0	-45	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	792	0	788	0	315	2	315	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	811	0	806	0	315	2	315	2	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	786	0	779	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	736	0	727	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	721	0	716	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	702	0	694	0	315	2	315	2	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	689	0	684	0	315	2	315	2	320	0	320	0	52	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	680	0	673	0	315	2	315	2	320	0	320	0	68	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	60	0	55	0	131	0	100	0	0	0	0	0	161	0	195	141	159	0	213	126	171	0	171	170	173	0	173	170	0	0	0	0	0	0
200	69	0	64	0	163	0	134	0	0	0	0	0	164	0	203	126	159	0	202	114	177	0	181	174	178	0	182	174	0	0	0	0	0	0
300	58	0	51	0	154	0	123	0	0	0	0	0	163	0	206	126	161	0	216	92	185	0	192	171	165	0	196	177	0	0	0	0	0	0
400	56	0	51	0	163	0	128	0	0	0	0	0	166	0	214	117	159	0	225	104	188	0	198	171	187	0	200	176	0	0	0	0	0	0
500	66	0	51	0	167	0	135	0	0	0	0	0	179	0	217	119	173	0	238	102	195	0	204	182	195	0	204	184	0	0	0	0	0	0
600	61	0	49	0	128	0	125	0	0	0	0	0	188	0	222	158	186	0	239	126	218	0	227	206	220	0	227	206	0	0	0	0	0	0
700	50	0	37	0	122	0	130	0	0	0	0	0	193	0	224	160	189	0	247	124	225	0	235	215	225	0	230	219	0	0	0	0	0	0
800	57	0	45	0	93	0	92	0	0	0	0	0	228	0	273	180	224	0	267	161	224	0	248	193	225	0	247	179	0	0	0	0	0	0
900	90	0	78	0	129	0	137	0	0	0	0	0	233	0	263	192	230	0	263	167	232	0	253	209	230	0	253	207	0	0	0	0	0	0
1000	88	0	80	0	123	0	129	0	0	0	0	0	238	0	273	185	233	0	264	163	231	0	263	201	228	0	268	204	0	0	0	0	0	0
1100	67	0	61	0	84	0	91	0	0	0	0	0	250	0	289	210	244	0	285	193	235	0	273	197	233	0	264	189	0	0	0	0	0	0
1200	81	0	76	0	84	0	90	0	0	0	0	0	253	0	276	225	249	0	282	216	236	0	260	205	236	0	257	202	0	0	0	0	0	0
1300	81	0	69	0	105	0	110	0	0	0	0	0	248	0	282	215	242	0	298	192	249	0	298	228	247	0	280	234	0	0	0	0	0	0
1400	69	0	62	0	82	0	87	0	0	0	0	0	245	0	280	212	243	0	276	212	247	0	280	219	246	0	279	212	0	0	0	0	0	0
1500	74	0	69	0	104	0	112	0	0	0	0	0	248	0	285	218	242	0	269	166	246	0	260	221	243	0	263	227	0	0	0	0	0	0
1600	39	0	32	0	53	0	58	0	0	0	0	0	234	0	270	204	230	0	273	202	253	0	279	230	251	0	279	222	0	0	0	0	0	0
1700	132	0	128	0	222	0	235	0	0	0	0	0	243	0	275	205	240	0	281	183	241	0	260	217	239	0	262	211	0	0	0	0	0	0
1800	69	0	59	0	119	0	128	0	0	0	0	0	233	0	262	192	227	0	270	191	232	0	243	217	230	0	247	212	0	0	0	0	0	0
1900	61	0	53	0	100	0	105	0	0	0	0	0	229	0	268	120	227	0	263	158	228	0	255	206	226	0	243	209	0	0	0	0	0	0
2000	48	0	46	0	62	0	68	0	0	0	0	0	243	0	263	221	240	0	259	206	254	0	265	243	252	0	265	240	0	0	0	0	0	0
2100	47	0	38	0	82	0	72	0	0	0	0	0	193	0	223	167	191	0	229	135	208	0	217	194	208	0	222	194	0	0	0	0	0	0
2200	43	0	34	0	110	0	98	0	0	0	0	0	205	0	269	91	200	0	262	104	202	0	211	165	201	0	211	183	0	0	0	0	0	0
2300	43	0	31	0	85	0	82	0	0	0	0	0	209	0	231	172	206	0	250	138	215	0	224	202	216	0	227	202	0	0	0	0	0	0
2400	66	0	57	0	108	0	118	0	0	0	0	0	231	0	256	212	226	0	250	184	229	0	244	215	228	0	245	211	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	657	0	649	0	315	2	315	2	320	0	320	0	85	0	86	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	664	0	658	0	315	2	315	2	320	0	320	0	76	0	76	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	658	0	653	0	315	2	315	2	320	0	320	0	47	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	644	0	637	0	315	2	315	2	320	0	320	0	52	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	657	0	651	0	315	2	315	2	320	0	320	0	56	0	56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	660	0	655	0	315	2	315	2	320	0	320	0	88	0	88	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	675	0	669	0	315	2	315	2	320	0	320	0	61	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	714	0	711	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	748	0	743	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	770	0	765	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	795	0	790	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	799	0	795	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	804	0	799	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	824	0	820	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	797	0	793	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	770	0	765	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	685	0	680	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	691	0	685	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	689	0	684	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	703	0	696	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	693	0	685	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	678	0	673	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	680	0	675	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	680	0	675	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	76	0	71	0	123	0	132	0	0	0	0	0	240	0	265	211	235	0	273	194	241	0	257	227	238	0	256	220	0	0	0	0	0	0
200	67	0	65	0	104	0	113	0	0	0	0	0	242	0	262	219	239	0	271	202	241	0	251	223	239	0	250	222	0	0	0	0	0	0
300	53	0	46	0	93	0	99	0	0	0	0	0	230	0	272	197	225	0	263	184	233	0	251	216	229	0	243	216	0	0	0	0	0	0
400	67	0	63	0	96	0	103	0	0	0	0	0	244	0	263	220	240	0	262	206	249	0	256	240	246	0	253	234	0	0	0	0	0	0
500	45	0	42	0	62	0	68	0	0	0	0	0	243	0	268	214	239	0	261	205	251	0	266	239	249	0	263	239	0	0	0	0	0	0
600	29	0	28	0	31	0	36	0	0	0	0	0	251	0	269	234	247	0	278	227	289	0	325	256	284	0	321	247	0	0	0	0	0	0
700	21	0	20	0	29	0	28	0	0	0	0	0	262	3	346	198	258	3	350	182	275	0	339	185	266	3	340	186	0	0	0	0	0	0
800	14	0	15	0	12	0	15	0	0	0	0	0	308	3	358	247	305	3	354	215	309	0	343	232	301	0	352	216	0	0	0	0	0	0
900	35	0	31	0	30	0	31	0	0	0	0	0	260	0	323	194	256	0	354	184	218	0	259	106	215	0	262	97	0	0	0	0	0	0
1000	44	0	42	0	43	0	48	0	0	0	0	0	263	0	285	223	260	0	296	218	249	0	300	223	245	0	290	206	0	0	0	0	0	0
1100	42	0	38	0	45	0	51	0	0	0	0	0	300	0	329	268	295	0	341	258	281	0	307	239	276	0	294	231	0	0	0	0	0	0
1200	54	0	49	0	53	0	60	0	0	0	0	0	289	0	350	234	282	0	337	232	287	0	313	256	282	0	318	244	0	0	0	0	0	0
1300	62	0	57	0	80	0	81	0	0	0	0	0	339	0	35	277	334	0	71	285	343	0	354	323	337	0	6	311	0	0	0	0	0	0
1400	52	0	48	0	62	0	64	0	0	0	0	0	344	0	29	281	336	0	35	281	350	0	15	312	344	0	18	314	0	0	0	0	0	0
1500	34	0	33	0	69	0	72	0	0	0	0	0	346	0	22	311	340	0	18	297	344	0	5	310	339	0	359	307	0	0	0	0	0	0
1600	31	0	26	0	42	0	42	0	0	0	0	0	347	0	46	270	340	3	33	274	7	0	59	340	0	0	54	310	0	0	0	0	0	0
1700	63	0	60	0	90	0	90	0	0	0	0	0	355	0	39	287	345	0	41	283	356	0	15	342	351	0	21	333	0	0	0	0	0	0
1800	49	0	46	0	70	0	72	0	0	0	0	0	358	0	41	313	349	0	33	299	357	0	28	328	353	0	9	324	0	0	0	0	0	0
1900	29	0	28	0	38	0	40	0	0	0	0	0	19	3	123	320	12	3	140	307	9	0	81	323	5	0	62	329	0	0	0	0	0	0
2000	15	0	13	0	32	0	38	0	0	0	0	0	57	3	123	10	54	3	125	5	46	0	61	37	44	0	60	34	0	0	0	0	0	0
2100	39	0	35	0	50	0	51	0	0	0	0	0	325	0	350	302	317	0	342	294	340	0	348	336	334	0	343	329	0	0	0	0	0	0
2200	7	0	12	0	0	4	72	2	0	0	0	0	253	5	274	238	251	5	271	236	8	3	34	327	9	0	37	318	0	0	0	0	0	0
2300	41	0	28	0	16	0	18	0	0	0	0	0	198	0	208	177	197	0	213	173	178	5	188	167	177	5	186	167	0	0	0	0	0	0
2400	48	0	46	0	37	0	42	0	0	0	0	0	259	0	269	249	255	0	271	236	266	0	273	260	263	0	268	256	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	687	0	680	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	684	0	678	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	673	0	666	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	673	0	667	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	669	0	662	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	666	0	660	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	678	0	673	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	689	0	685	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	716	0	712	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	696	0	693	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	707	0	703	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	720	0	716	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	703	0	700	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	712	0	709	0	315	2	315	2	320	0	320	0	-31	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	725	0	721	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	718	0	714	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	707	0	702	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	730	0	725	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	725	0	720	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	687	0	680	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	671	0	664	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	648	0	640	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	658	0	651	0	315	2	315	2	320	0	320	0	22	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	669	0	664	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	51	0	48	0	70	0	76	0	0	0	0	0	267	0	286	253	260	0	281	239	269	0	281	258	265	0	275	256	0	0	0	0	0	0
200	64	0	62	0	103	0	110	0	0	0	0	0	270	0	289	250	265	0	285	240	271	0	277	262	267	0	273	263	0	0	0	0	0	0
300	54	0	51	0	83	0	89	0	0	0	0	0	272	0	298	255	267	0	307	238	284	0	311	267	279	0	301	262	0	0	0	0	0	0
400	53	0	50	0	74	0	79	0	0	0	0	0	267	0	316	250	262	0	309	229	284	0	321	267	280	0	307	259	0	0	0	0	0	0
500	40	0	38	0	44	0	48	0	0	0	0	0	257	0	284	236	254	0	293	227	280	0	309	237	276	0	307	247	0	0	0	0	0	0
600	19	0	14	0	14	0	17	0	0	0	0	0	234	0	278	186	228	0	270	182	290	0	325	192	285	0	324	204	0	0	0	0	0	0
700	8	0	10	0	30	0	32	0	0	0	0	0	317	3	15	270	306	3	350	202	358	3	24	326	354	0	24	326	0	0	0	0	0	0
800	38	0	33	0	46	0	47	0	0	0	0	0	352	0	42	286	347	0	49	280	11	0	53	295	6	0	59	306	0	0	0	0	0	0
900	37	0	33	0	40	0	42	0	0	0	0	0	355	0	77	302	344	0	78	280	2	0	37	307	358	0	51	315	0	0	0	0	0	0
1000	33	0	29	0	39	0	39	0	0	0	0	0	330	0	167	274	310	3	355	194	341	0	11	281	337	0	24	286	0	0	0	0	0	0
1100	38	0	33	0	42	0	45	0	0	0	0	0	336	0	56	293	316	0	355	226	335	0	7	288	331	0	17	300	0	0	0	0	0	0
1200	47	0	41	0	46	0	50	0	0	0	0	0	296	0	357	252	287	0	340	220	289	0	327	257	283	0	317	257	0	0	0	0	0	0
1300	52	0	46	0	58	0	61	0	0	0	0	0	290	0	344	240	284	0	356	227	296	0	330	257	289	0	334	241	0	0	0	0	0	0
1400	46	0	41	0	51	0	56	0	0	0	0	0	297	0	358	219	290	0	327	221	308	0	332	260	302	0	328	272	0	0	0	0	0	0
1500	60	0	56	0	54	0	59	0	0	0	0	0	262	0	304	228	255	0	310	221	265	0	299	222	261	0	304	205	0	0	0	0	0	0
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0		0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0		0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0		0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0		0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2000	53	0	50	0	114	0	120	0	0	0	0	0	147	0	177	116	147	0	207	91	158	0	164	154	159	0	166	156	0	0	0	0	0	0
2100	58	0	55	0	145	0	142	0	0	0	0	0	153	0	196	126	151	0	209	93	169	0	181	159	169	0	176	163	0	0	0	0	0	0
2200	68	0	58	0	191	0	158	0	0	0	0	0	180	0	229	137	177	0	255	97	185	0	195	168	184	0	194	168	0	0	0	0	0	0
2300	69	0	54	0	167	0	142	0	0	0	0	0	198	0	250	110	196	0	258	91	198	0	222	177	196	0	215	177	0	0	0	0	0	0
2400	52	0	40	0	122	0	103	0	0	0	0	0	200	0	267	105	195	0	262	113	199	0	213	179	198	0	214	183	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	667	0	660	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	662	0	657	0	315	2	315	2	320	0	320	0	31	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	676	0	669	0	315	2	315	2	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	673	0	667	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	669	0	662	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	651	0	642	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	667	0	664	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	705	0	702	0	315	2	315	2	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	725	0	721	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	723	0	720	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	705	0	702	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	730	0	727	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	738	0	734	0	315	2	315	2	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	741	0	738	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	738	0	734	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	736	0	730	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	714	0	707	0	315	2	315	2	320	0	320	0	45	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	716	0	709	0	315	2	315	2	320	0	320	0	31	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	705	0	700	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	707	0	702	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6
100	72	0	57	0	131	0	124	0	0	0	0	0	224	0	261	177	221	0	269	138	218	0	245	184	216	0	242	194	0	0	0	0	0	0
200	109	0	104	0	162	0	169	0	0	0	0	0	299	0	335	264	292	0	329	250	302	0	318	274	295	0	308	278	0	0	0	0	0	0
300	105	0	100	0	142	0	151	0	0	0	0	0	275	0	332	220	271	0	338	235	283	0	322	249	276	0	314	235	0	0	0	0	0	0
400	156	0	148	0	225	0	236	0	0	0	0	0	293	0	315	251	288	0	348	228	298	0	321	271	291	0	306	261	0	0	0	0	0	0
500	78	0	75	0	98	0	107	0	0	0	0	0	283	0	332	240	277	0	328	224	290	0	352	252	283	0	325	234	0	0	0	0	0	0
600	85	0	82	0	121	0	128	0	0	0	0	0	252	0	279	229	248	0	285	213	252	0	266	233	249	0	270	235	0	0	0	0	0	0
700	93	0	91	0	125	0	132	0	0	0	0	0	246	0	271	211	244	0	282	191	241	0	264	204	237	0	264	200	0	0	0	0	0	0
800	155	0	152	0	188	0	199	0	0	0	0	0	269	0	285	240	264	0	310	214	272	0	292	247	268	0	288	249	0	0	0	0	0	0
900	165	0	157	0	234	0	242	0	0	0	0	0	301	0	323	260	294	0	342	237	307	0	318	287	299	0	312	278	0	0	0	0	0	0
1000	110	0	104	0	171	0	172	0	0	0	0	0	324	0	14	273	320	0	53	271	332	0	6	274	326	0	0	273	0	0	0	0	0	0
1100	127	0	124	0	177	0	178	0	0	0	0	0	321	0	7	284	318	0	40	271	328	0	22	303	320	0	353	278	0	0	0	0	0	0
1200	117	0	116	0	170	0	171	0	0	0	0	0	324	0	1	278	316	0	4	271	328	0	1	295	321	0	342	281	0	0	0	0	0	0
1300	79	0	76	0	118	0	122	0	0	0	0	0	321	0	3	271	309	0	357	240	327	0	1	290	322	0	359	287	0	0	0	0	0	0
1400	81	0	77	0	105	0	108	0	0	0	0	0	318	0	8	275	319	0	158	271	327	0	0	279	322	0	6	285	0	0	0	0	0	0
1500	140	0	134	0	196	0	191	0	0	0	0	0	345	0	26	318	337	0	37	273	351	0	19	323	347	0	17	329	0	0	0	0	0	0
1600	110	0	101	0	170	0	168	0	0	0	0	0	355	0	97	273	348	0	94	272	355	0	43	297	350	0	46	313	0	0	0	0	0	0
1700	100	0	97	0	167	0	163	0	0	0	0	0	18	0	69	324	14	0	101	308	0	0	52	299	355	0	39	311	0	0	0	0	0	0
1800	110	0	102	0	157	0	159	0	0	0	0	0	25	0	93	338	14	0	72	302	8	0	42	312	4	0	44	324	0	0	0	0	0	0
1900	104	0	97	0	144	0	143	0	0	0	0	0	32	0	72	354	26	0	84	338	16	0	57	326	11	0	42	339	0	0	0	0	0	0
2000	96	0	91	0	138	0	135	0	0	0	0	0	35	0	80	11	27	0	84	338	20	0	48	355	15	0	43	348	0	0	0	0	0	0
2100	78	0	76	0	104	0	103	0	0	0	0	0	38	0	67	15	33	0	72	353	29	0	62	8	25	0	54	0	0	0	0	0	0	0
2200	50	0	50	0	78	0	79	0	0	0	0	0	47	0	71	24	41	0	79	13	34	0	48	11	30	0	53	6	0	0	0	0	0	0
2300	52	0	47	0	76	0	76	0	0	0	0	0	29	0	65	354	23	0	80	351	12	0	60	352	7	0	37	340	0	0	0	0	0	0
2400	39	0	34	0	65	0	68	0	0	0	0	0	353	0	32	302	345	0	34	282	344	0	27	310	338	0	11	304	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	712	0	709	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	662	0	657	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	667	0	660	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	660	0	655	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	644	0	639	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	649	0	644	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	649	0	644	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	658	0	653	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	642	0	637	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	637	0	631	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	642	0	637	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	655	0	649	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	682	0	676	0	315	2	315	2	320	0	320	0	-54	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	689	0	685	0	315	2	315	2	320	0	320	0	-59	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	655	0	651	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	662	0	658	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	658	0	655	0	315	2	315	2	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	640	0	633	0	315	2	315	2	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	621	0	617	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	597	0	592	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	586	0	579	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	570	0	563	0	315	2	315	2	320	0	320	0	14	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	577	0	570	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	583	0	574	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		MIN 50	MAX 50 B	S	WIND DIR2		MIN 150A	MAX 150A	S	WIND DIR3		MIN 150B	MAX 150B	S	WIND DIR4		MIN S	MAX S	WIND DIR5		MIN S	MAX S	WIND DIR6	
100	53	0	53	0	83	0	83	0	0	0	0	0	345	0	19	301		341	0	34	297		337	0	12	290		332	0	7	281	0	0	0	0	0	0
200	77	0	71	0	104	0	106	0	0	0	0	0	319	0	359	285		309	0	351	247		318	0	341	293		311	0	335	280	0	0	0	0	0	0
300	86	0	82	0	118	0	122	0	0	0	0	0	318	0	352	283		311	0	350	262		317	0	343	296		310	0	329	297	0	0	0	0	0	0
400	114	0	108	0	160	0	166	0	0	0	0	0	303	0	335	275		297	0	330	239		305	0	318	281		300	0	312	287	0	0	0	0	0	0
500	117	0	116	0	162	0	165	0	0	0	0	0	316	0	346	283		307	0	349	262		321	0	343	302		316	0	338	299	0	0	0	0	0	0
600	85	0	81	0	117	0	118	0	0	0	0	0	327	0	28	283		321	0	48	270		331	0	356	297		325	0	357	291	0	0	0	0	0	0
700	75	0	71	0	104	0	107	0	0	0	0	0	323	0	359	253		318	0	3	270		326	0	358	290		321	0	348	291	0	0	0	0	0	0
800	79	0	77	0	106	0	109	0	0	0	0	0	320	0	25	273		304	0	353	251		327	0	15	300		320	0	0	283	0	0	0	0	0	0
900	59	0	55	0	83	0	85	0	0	0	0	0	326	0	18	282		321	0	27	271		332	0	356	290		327	0	355	293	0	0	0	0	0	0
1000	71	0	63	0	89	0	86	0	0	0	0	0	349	0	46	279		341	0	46	272		355	0	53	315		351	0	50	292	0	0	0	0	0	0
1100	67	0	60	0	92	0	93	0	0	0	0	0	332	0	61	278		322	0	24	270		334	0	4	282		329	0	4	280	0	0	0	0	0	0
1200	80	0	80	0	119	0	121	0	0	0	0	0	342	0	31	295		336	0	38	271		345	0	19	315		339	0	9	286	0	0	0	0	0	0
1300	72	0	67	0	98	0	100	0	0	0	0	0	337	0	39	272		330	0	22	273		341	0	17	290		337	0	14	298	0	0	0	0	0	0
1400	64	0	61	0	84	0	86	0	0	0	0	0	320	0	28	275		307	0	353	237		327	0	355	287		321	0	355	274	0	0	0	0	0	0
1500	65	0	61	0	88	0	92	0	0	0	0	0	315	0	355	248		304	0	353	226		328	0	357	293		323	0	4	287	0	0	0	0	0	0
1600	56	0	51	0	79	0	77	0	0	0	0	0	356	0	95	288		348	0	73	271		359	0	93	313		354	0	46	316	0	0	0	0	0	0
1700	66	0	61	0	75	0	78	0	0	0	0	0	342	0	31	276		338	0	27	271		336	0	19	281		333	0	14	280	0	0	0	0	0	0
1800	51	0	46	0	60	0	63	0	0	0	0	0	337	0	126	280		332	0	84	271		337	0	9	301		332	0	10	275	0	0	0	0	0	0
1900	49	0	45	0	53	0	55	0	0	0	0	0	35	0	76	1		29	0	69	353		31	0	72	358		29	0	86	0	0	0	0	0	0	0
2000	29	0	28	0	36	0	44	0	0	0	0	0	75	3	95	52		71	3	93	38		64	0	81	48		64	0	85	50	0	0	0	0	0	0
2100	40	0	36	0	43	0	46	0	0	0	0	0	119	0	124	113		123	0	130	106		106	0	113	95		108	0	116	96	0	0	0	0	0	0
2200	45	0	42	0	45	0	48	0	0	0	0	0	141	0	159	132		141	0	161	129		129	0	137	116		133	0	141	119	0	0	0	0	0	0
2300	51	0	48	0	56	0	60	0	0	0	0	0	172	0	214	147		171	0	216	150		151	0	157	138		155	0	160	143	0	0	0	0	0	0
2400	56	0	57	0	78	0	82	0	0	0	0	0	161	0	196	128		159	0	191	126		144	0	148	137		147	0	153	141	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	594	0	588	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	594	0	588	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	599	0	594	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	601	0	595	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	603	0	595	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	597	0	592	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	603	0	597	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	612	0	606	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	622	0	619	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	639	0	633	0	315	2	315	2	320	0	320	0	-32	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	642	0	637	0	315	2	315	2	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	640	0	635	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	655	0	649	0	315	2	315	2	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	669	0	666	0	315	2	315	2	320	0	320	0	-59	2	-59	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	673	0	669	0	315	2	315	2	320	0	320	0	-63	2	-63	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	662	0	660	0	315	2	315	2	320	0	320	0	-45	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	655	0	651	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	660	0	657	0	315	2	315	2	320	0	320	0	-36	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	646	0	640	0	315	2	315	2	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	588	0	581	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	592	0	583	0	315	2	315	2	320	0	320	0	5	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	586	0	577	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	576	0	570	0	315	2	315	2	320	0	320	0	22	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	558	0	550	0	315	2	315	2	320	0	320	0	45	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE? = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	69	0	66	0	83	0	88	0	0	0	0	0	168	0	190	137	165	0	215	123	152	0	160	139	155	0	161	143	0	0	0	0	0	0
200	69	0	67	0	103	0	107	0	0	0	0	0	133	0	148	123	134	0	158	113	130	0	137	124	133	0	141	127	0	0	0	0	0	0
300	54	0	52	0	73	0	77	0	0	0	0	0	173	0	203	138	170	0	206	126	150	0	154	147	154	0	157	151	0	0	0	0	0	0
400	70	0	67	0	93	0	100	0	0	0	0	0	153	0	162	141	151	0	172	137	140	0	143	138	143	0	146	141	0	0	0	0	0	0
500	73	0	71	0	114	0	119	0	0	0	0	0	154	0	182	130	151	0	182	114	150	0	153	146	154	0	156	150	0	0	0	0	0	0
600	67	0	63	0	155	0	153	0	0	0	0	0	151	0	179	121	145	0	184	101	169	0	174	165	171	0	176	168	0	0	0	0	0	0
700	58	0	54	0	157	0	155	0	0	0	0	0	139	0	182	102	136	0	205	91	168	0	177	155	170	0	179	159	0	0	0	0	0	0
800	39	0	58	0	125	0	125	0	0	0	0	0	142	0	192	99	142	0	249	92	161	0	186	136	164	0	184	142	0	0	0	0	0	0
900	42	0	34	0	75	0	67	0	0	0	0	0	196	0	269	108	189	0	265	92	181	0	244	120	182	0	242	117	0	0	0	0	0	0
1000	56	0	51	0	61	0	63	0	0	0	0	0	246	0	279	208	239	0	274	203	252	0	321	211	250	0	330	213	0	0	0	0	0	0
1100	40	0	36	0	36	0	40	0	0	0	0	0	267	0	317	201	259	0	331	191	253	0	300	212	250	0	292	200	0	0	0	0	0	0
1200	36	0	36	0	54	0	59	0	0	0	0	0	291	0	359	190	290	0	341	206	297	0	341	243	290	0	332	246	0	0	0	0	0	0
1300	60	0	56	0	54	0	59	0	0	0	0	0	248	0	291	201	243	0	282	184	271	0	325	245	266	0	314	230	0	0	0	0	0	0
1400	92	0	89	0	161	0	165	0	0	0	0	0	146	0	203	95	150	0	234	101	154	0	190	126	157	0	211	129	0	0	0	0	0	0
1500	92	0	85	0	180	0	169	0	0	0	0	0	171	0	248	121	165	0	243	90	170	0	203	140	173	0	203	138	0	0	0	0	0	0
1600	45	0	40	0	93	0	88	0	0	0	0	0	181	0	269	103	170	0	269	91	178	0	222	104	178	0	267	104	0	0	0	0	0	0
1700	28	0	27	0	54	0	50	0	0	0	0	0	194	3	268	103	189	3	266	90	180	0	246	113	183	0	241	95	0	0	0	0	0	0
1800	49	0	45	0	94	0	89	0	0	0	0	0	162	0	259	92	160	0	263	90	167	0	229	124	168	0	204	126	0	0	0	0	0	0
1900	77	0	76	0	145	0	150	0	0	0	0	0	143	0	203	97	145	0	213	94	151	0	172	133	153	0	171	134	0	0	0	0	0	0
2000	45	0	41	0	99	0	97	0	0	0	0	0	165	0	216	110	163	0	251	90	165	0	186	145	168	0	185	149	0	0	0	0	0	0
2100	36	0	33	0	92	0	76	0	0	0	0	0	179	0	233	120	175	0	229	113	185	0	198	175	184	0	199	174	0	0	0	0	0	0
2200	48	0	44	0	115	0	100	0	0	0	0	0	169	0	224	125	166	0	225	102	179	0	191	161	180	0	186	166	0	0	0	0	0	0
2300	52	0	47	0	118	0	112	0	0	0	0	0	151	0	181	118	152	0	217	105	170	0	186	160	171	0	187	161	0	0	0	0	0	0
2400	55	0	48	0	132	0	127	0	0	0	0	0	142	0	178	103	141	0	179	89	168	0	177	151	169	0	177	158	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	561	0	554	0	315	2	315	2	320	0	320	0	40	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	504	0	496	0	315	2	315	2	320	0	320	0	95	0	97	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	565	0	558	0	315	2	315	2	320	0	320	0	38	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	518	0	511	0	315	2	315	2	320	0	320	0	79	0	81	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	513	0	507	0	315	2	315	2	320	0	320	0	94	0	94	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	500	0	495	0	315	2	315	2	320	0	320	0	92	0	94	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	545	0	540	0	315	2	315	2	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	610	0	604	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	664	0	660	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	675	0	669	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	702	0	698	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	720	0	718	0	315	2	315	2	320	0	320	0	-43	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	714	0	709	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	743	0	739	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	750	0	745	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	765	0	761	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	750	0	747	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	748	0	745	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	730	0	725	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	705	0	700	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	684	0	678	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	667	0	660	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	653	0	646	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	646	0	639	0	315	2	315	2	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS C[illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6
100	70	0	66	0	139	0	133	0	0	0	0	0	156	0	205	101	152	0	192	96	168	0	188	142	170	0	188	150	0	0	0	0	0	0	0
200	79	0	72	0	150	0	135	0	0	0	0	0	162	0	211	92	157	0	215	105	171	0	196	147	173	0	192	154	0	0	0	0	0	0	0
300	75	0	75	0	151	0	136	0	0	0	0	0	160	0	216	111	158	0	213	94	172	0	194	148	173	0	195	154	0	0	0	0	0	0	0
400	71	0	63	0	151	0	133	0	0	0	0	0	170	0	229	107	166	0	251	91	176	0	206	154	177	0	223	147	0	0	0	0	0	0	0
500	71	0	68	0	139	0	133	0	0	0	0	0	165	0	255	110	159	0	262	91	172	0	208	143	173	0	208	147	0	0	0	0	0	0	0
600	87	0	84	0	188	0	165	0	0	0	0	0	178	0	255	126	172	0	251	92	183	0	220	152	182	0	213	145	0	0	0	0	0	0	0
700	97	0	82	0	204	0	170	0	0	0	0	0	187	0	258	109	183	0	249	104	189	0	218	161	189	0	227	157	0	0	0	0	0	0	0
800	142	0	144	0	185	0	193	0	0	0	0	0	68	0	162	25	63	0	179	11	65	0	167	14	66	0	179	11	0	0	0	0	0	0	0
900	97	0	96	0	135	0	145	0	0	0	0	0	128	0	148	302	126	0	166	81	131	0	145	115	133	0	145	114	0	0	0	0	0	0	0
1000	100	0	103	0	151	0	188	0	0	0	0	0	142	0	208	110	142	0	216	91	144	0	176	123	147	0	176	120	0	0	0	0	0	0	0
1100	81	0	81	0	168	0	162	0	0	0	0	0	154	0	206	95	154	0	206	93	165	0	194	144	167	0	185	133	0	0	0	0	0	0	0
1200	86	0	79	0	169	0	145	0	0	0	0	0	179	0	262	95	170	0	244	90	182	0	222	133	183	0	212	140	0	0	0	0	0	0	0
1300	88	0	74	0	152	0	131	0	0	0	0	0	208	0	260	136	198	0	269	97	193	0	225	112	194	0	225	139	0	0	0	0	0	0	0
1400	95	0	81	0	142	0	124	0	0	0	0	0	228	0	346	182	216	0	269	138	206	0	233	171	205	0	233	155	0	0	0	0	0	0	0
1500	64	0	55	0	107	0	95	0	0	0	0	0	233	0	313	181	232	0	350	180	209	0	248	163	207	0	241	163	0	0	0	0	0	0	0
1600	76	0	67	0	126	0	109	0	0	0	0	0	193	0	261	116	186	0	262	90	190	0	233	156	190	0	236	137	0	0	0	0	0	0	0
1700	79	0	66	0	145	0	125	0	0	0	0	0	228	0	343	181	214	0	269	152	203	0	224	165	203	0	231	151	0	0	0	0	0	0	0
1800	52	0	39	0	96	0	81	0	0	0	0	0	208	0	266	93	198	0	259	120	195	0	230	140	194	0	221	151	0	0	0	0	0	0	0
1900	50	0	40	0	115	0	98	0	0	0	0	0	209	0	261	114	199	0	265	107	200	0	231	167	200	0	236	171	0	0	0	0	0	0	0
2000	70	0	58	0	112	0	106	0	0	0	0	0	225	0	261	90	223	0	313	183	216	0	248	194	216	0	246	190	0	0	0	0	0	0	0
2100	92	0	82	0	146	0	142	0	0	0	0	0	231	0	260	192	228	0	287	181	219	0	246	183	219	0	246	193	0	0	0	0	0	0	0
2200	101	0	90	0	160	0	166	0	0	0	0	0	233	0	274	202	229	0	298	189	226	0	247	206	225	0	240	207	0	0	0	0	0	0	0
2300	131	0	120	0	209	0	219	0	0	0	0	0	240	0	285	204	235	0	276	192	228	0	252	200	227	0	252	205	0	0	0	0	0	0	0
2400	119	0	0	2	200	0	0	2	0	2	0	2	244	0	218	267	0	2	0	0	233	0	207	255	0	2	0	0	0	2	0	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	657	0	651	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	660	0	655	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	667	0	662	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	671	0	666	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	676	0	671	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	685	0	680	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	685	0	680	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	640	0	633	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	630	0	624	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	649	0	642	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	676	0	673	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	730	0	725	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	768	0	766	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	829	0	826	0	315	2	315	2	320	0	320	0	-32	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	847	0	844	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	856	0	853	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	880	0	876	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	865	0	860	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	873	0	869	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	871	0	865	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	865	0	860	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	855	0	849	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	847	0	840	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	679	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	148	0	0	2	250	0	0	2	0	2	0	2	246	0	225	261	0	2	0	0	243	0	228	255	0	2	0	0	0	2	0	0	0	2
200	140	0	0	2	236	0	0	2	0	2	0	2	252	0	227	268	0	2	0	0	240	0	223	252	0	2	0	0	0	2	0	0	0	2
300	117	0	0	2	211	0	0	2	0	2	0	2	246	0	225	261	0	2	0	0	239	0	223	260	0	2	0	0	0	2	0	0	0	2
400	88	0	0	2	92	0	0	2	0	2	0	2	290	0	260	306	0	2	0	0	291	0	264	317	0	2	0	0	0	2	0	0	0	2
500	55	0	0	2	105	0	0	2	0	2	0	2	239	0	217	258	0	2	0	0	242	0	224	258	0	2	0	0	0	2	0	0	0	2
600	98	0	0	2	175	0	0	2	0	2	0	2	254	0	226	269	0	2	0	0	251	0	239	269	0	2	0	0	0	2	0	0	0	2
700	119	0	0	2	192	0	0	2	0	2	0	2	251	0	218	266	0	2	0	0	248	0	224	267	0	2	0	0	0	2	0	0	0	2
800	125	0	0	2	198	0	0	2	0	2	0	2	242	0	214	262	0	2	0	0	237	0	215	260	0	2	0	0	0	2	0	0	0	2
900	119	0	0	2	146	0	0	2	0	2	0	2	253	0	224	269	0	2	0	0	242	0	212	267	0	2	0	0	0	2	0	0	0	2
1000	42	0	0	2	107	0	0	2	0	2	0	2	330	0	288	9	0	2	0	0	342	0	291	23	0	2	0	0	0	2	0	0	0	2
1100	32	0	0	2	90	0	0	2	0	2	0	2	16	0	317	61	0	2	0	0	11	0	325	42	0	2	0	0	0	2	0	0	0	2
1200	5	0	0	2	25	0	0	2	0	2	0	2	330	0	315	29	0	2	0	0	17	0	338	47	0	2	0	0	0	2	0	0	0	2
1300	7	0	0	2	21	0	0	2	0	2	0	2	74	0	37	106	0	2	0	0	93	0	74	113	0	2	0	0	0	2	0	0	0	2
1400	27	0	0	2	57	0	0	2	0	2	0	2	104	0	82	119	0	2	0	0	122	0	101	140	0	2	0	0	0	2	0	0	0	2
1500	32	0	0	2	92	0	0	2	0	2	0	2	119	0	89	142	0	2	0	0	146	0	114	167	0	2	0	0	0	2	0	0	0	2
1600	44	0	37	0	80	0	75	0	0	0	0	0	198	0	264	96	198	0	267	90	189	0	252	138	188	0	236	116	0	0	0	0	0	0
1700	65	0	58	0	87	0	91	0	0	0	0	0	241	0	281	195	235	0	286	184	229	0	266	193	226	0	256	170	0	0	0	0	0	0
1800	116	0	104	0	179	0	177	0	0	0	0	0	234	0	266	192	231	0	299	187	224	0	254	200	222	0	243	196	0	0	0	0	0	0
1900	93	0	82	0	152	0	152	0	0	0	0	0	230	0	275	191	224	0	273	184	221	0	248	180	221	0	235	196	0	0	0	0	0	0
2000	90	0	76	0	147	0	137	0	0	0	0	0	230	0	80	186	221	0	266	149	216	0	251	182	215	0	239	188	0	0	0	0	0	0
2100	100	0	80	0	169	0	148	0	0	0	0	0	219	0	260	142	211	0	261	156	207	0	234	180	206	0	228	170	0	0	0	0	0	0
2200	85	0	79	0	154	0	151	0	0	0	0	0	23	0	119	301	13	0	72	273	2	0	36	305	357	0	43	297	0	0	0	0	0	0
2300	226	0	216	0	311	0	320	0	0	0	0	0	304	0	327	280	295	0	344	239	307	0	325	289	299	0	316	286	0	0	0	0	0	0
2400	98	0	81	0	154	0	156	0	0	0	0	0	228	0	264	178	223	0	269	172	223	0	250	193	222	0	245	185	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	676	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	696	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	693	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	693	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	683	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	698	0	0	2	0	2	0	2	0	2	0	2	6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	611	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	611	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	594	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	622	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	656	0	0	2	0	2	0	2	0	2	0	2	-33	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	676	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	676	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	696	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	710	0	0	2	0	2	0	2	0	2	0	2	-24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	936	0	932	0	315	2	315	2	320	0	320	0	-38	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	905	0	900	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	900	0	874	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	876	0	871	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	871	0	865	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	855	0	849	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	707	0	702	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	673	0	667	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	669	0	664	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	B S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	100	0	86	0	168	0	163	0	0	0	0	0	230	0	322	189	225	0	293	181	220	0	245	183	218	0	250	190	0	0	0	0	0	0
200	94	0	79	0	153	0	157	0	0	0	0	0	227	0	259	188	225	0	271	180	224	0	244	203	224	0	252	196	0	0	0	0	0	0
300	74	0	61	0	138	0	125	0	0	0	0	0	213	0	260	125	209	0	263	126	208	0	235	184	208	0	231	181	0	0	0	0	0	0
400	149	0	147	0	227	0	243	0	0	0	0	0	248	0	272	221	244	0	297	195	244	0	257	233	240	0	252	224	0	0	0	0	0	0
500	162	0	162	0	232	0	245	0	0	0	0	0	249	0	262	219	243	0	272	202	247	0	263	239	244	0	258	235	0	0	0	0	0	0
600	100	0	91	0	137	0	138	0	0	0	0	0	347	0	28	300	339	0	59	274	344	0	5	307	338	0	0	301	0	0	0	0	0	0
700	91	0	90	0	131	0	134	0	0	0	0	0	319	0	343	279	314	0	26	273	325	0	5	284	320	0	356	292	0	0	0	0	0	0
800	118	0	112	0	193	0	195	0	0	0	0	0	337	0	176	292	330	0	60	272	337	0	14	315	332	0	6	310	0	0	0	0	0	0
900	141	0	128	0	211	0	207	0	0	0	0	0	351	0	55	317	345	0	46	292	351	0	33	333	346	0	40	321	0	0	0	0	0	0
1000	86	0	85	0	156	0	150	0	0	0	0	0	3	0	105	290	358	0	159	281	4	0	58	329	358	0	52	313	0	0	0	0	0	0
1100	88	0	80	0	142	0	140	0	0	0	0	0	355	0	54	293	357	0	79	284	359	0	42	320	353	0	46	312	0	0	0	0	0	0
1200	105	0	101	0	142	0	142	0	0	0	0	0	348	0	42	319	342	0	71	285	355	0	34	330	349	0	27	324	0	0	0	0	0	0
1300	100	0	93	0	137	0	132	0	0	0	0	0	337	0	15	277	331	0	23	271	351	0	25	312	348	0	42	304	0	0	0	0	0	0
1400	76	0	72	0	95	0	97	0	0	0	0	0	342	0	35	296	337	0	68	273	358	0	68	318	355	0	54	316	0	0	0	0	0	0
1500	65	0	59	0	79	0	82	0	0	0	0	0	340	0	44	283	333	0	55	282	350	0	41	308	345	0	40	304	0	0	0	0	0	0
1600	57	0	55	0	75	0	76	0	0	0	0	0	339	0	52	278	335	0	56	285	339	0	13	281	335	0	16	283	0	0	0	0	0	0
1700	44	0	42	0	63	0	65	0	0	0	0	0	314	0	38	271	300	0	356	190	324	0	4	272	318	0	348	259	0	0	0	0	0	0
1800	31	0	31	0	48	0	51	0	0	0	0	0	307	0	359	222	303	0	349	237	329	0	7	276	324	0	4	276	0	0	0	0	0	0
1900	55	0	51	0	53	0	59	0	0	0	0	0	265	0	294	243	261	0	296	236	269	0	293	245	265	0	298	245	0	0	0	0	0	0
2000	47	0	44	0	48	0	53	0	0	0	0	0	256	0	280	238	253	0	285	225	263	0	291	249	261	0	284	246	0	0	0	0	0	0
2100	39	0	35	0	25	0	29	0	0	0	0	0	240	0	254	218	235	0	258	206	281	0	297	267	275	0	295	263	0	0	0	0	0	0
2200	71	0	50	0	45	0	50	0	0	0	0	0	210	0	217	198	205	0	224	181	236	0	240	230	233	0	236	230	0	0	0	0	0	0
2300	54	0	39	0	82	0	94	0	0	0	0	0	205	0	223	175	201	0	227	158	222	0	226	220	224	0	226	220	0	0	0	0	0	0
2400	71	0	63	0	112	0	119	0	0	0	0	0	231	0	260	210	227	0	271	182	236	0	243	222	233	0	242	227	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	675	0	669	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	685	0	680	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	682	0	675	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	689	0	684	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	687	0	682	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	617	0	610	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	613	0	606	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	612	0	606	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	619	0	613	0	315	2	315	2	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	640	0	637	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	660	0	657	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	671	0	669	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	676	0	671	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	693	0	687	0	315	2	315	2	320	0	320	0	-41	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	696	0	693	0	315	2	315	2	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	709	0	705	0	315	2	315	2	320	0	320	0	-47	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	720	0	716	0	315	2	315	2	320	0	320	0	-47	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	720	0	716	0	315	2	315	2	320	0	320	0	-34	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	687	0	682	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	669	0	664	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	669	0	662	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	667	0	662	0	315	2	315	2	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	666	0	658	0	315	2	315	2	320	0	320	0	50	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	693	0	687	0	315	2	315	2	320	0	320	0	31	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID. 3 = UNSTEADY DIRECTION. S =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6
100	86	0	80	0	135	0	145	0	0	0	0	0	239	0	255	207	238	0	262	204	242	0	252	229	239	0	250	227	0	0	0	0	0	0
200	92	0	87	0	145	0	156	0	0	0	0	0	242	0	265	213	239	0	270	206	245	0	254	227	242	0	250	229	0	0	0	0	0	0
300	81	0	75	0	118	0	127	0	0	0	0	0	238	0	260	201	234	0	270	192	240	0	254	225	238	0	252	219	0	0	0	0	0	0
400	77	0	74	0	112	0	120	0	0	0	0	0	243	0	270	220	238	0	262	202	249	0	261	237	247	0	262	234	0	0	0	0	0	0
500	74	0	70	0	105	0	112	0	0	0	0	0	243	0	263	211	239	0	270	205	249	0	260	230	247	0	258	229	0	0	0	0	0	0
600	75	0	71	0	103	0	110	0	0	0	0	0	243	0	264	219	239	0	273	213	250	0	265	234	248	0	262	237	0	0	0	0	0	0
700	80	0	76	0	111	0	120	0	0	0	0	0	243	0	277	201	240	0	285	199	243	0	261	212	240	0	256	213	0	0	0	0	0	0
800	82	0	81	0	107	0	115	0	0	0	0	0	249	0	275	215	246	0	308	196	249	0	264	230	247	0	265	229	0	0	0	0	0	0
900	74	0	70	0	90	0	96	0	0	0	0	0	246	0	279	210	241	0	281	196	252	0	265	214	250	0	265	220	0	0	0	0	0	0
1000	62	0	59	0	66	0	71	0	0	0	0	0	251	0	295	225	247	0	302	216	262	0	305	233	257	0	301	228	0	0	0	0	0	0
1100	62	0	58	0	59	0	64	0	0	0	0	0	244	0	286	215	239	0	292	195	262	0	323	224	256	0	304	194	0	0	0	0	0	0
1200	56	0	52	0	57	0	61	0	0	0	0	0	293	0	339	213	284	0	337	207	298	0	325	236	293	0	320	246	0	0	0	0	0	0
1300	43	0	41	0	45	0	46	0	0	0	0	0	285	0	357	227	278	0	351	221	297	0	329	249	289	0	329	233	0	0	0	0	0	0
1400	43	0	43	0	50	0	51	0	0	0	0	0	320	0	11	273	312	0	351	257	334	0	354	288	328	0	354	297	0	0	0	0	0	0
1500	31	0	32	0	47	0	47	0	0	0	0	0	331	0	38	278	323	0	9	270	341	0	14	300	337	0	6	306	0	0	0	0	0	0
1600	21	0	21	0	34	0	34	0	0	0	0	0	326	3	58	270	306	3	356	190	337	0	21	278	335	0	28	291	0	0	0	0	0	0
1700	23	0	19	0	18	0	20	0	0	0	0	0	304	0	351	253	299	3	352	254	326	0	8	272	324	0	33	290	0	0	0	0	0	0
1800	26	0	21	0	28	0	29	0	0	0	0	0	342	3	40	283	337	3	119	272	355	3	42	324	351	3	47	303	0	0	0	0	0	0
1900	7	0	9	0	8	0	12	0	0	0	0	0	290	3	359	192	328	3	119	272	338	3	175	277	333	3	48	270	0	0	0	0	0	0
2000	0	4	7	0	34	2	34	2	0	0	0	0	312	5	332	280	310	5	327	290	337	0	3	315	339	0	0	316	0	0	0	0	0	0
2100	25	0	20	0	14	0	16	0	0	0	0	0	39	3	50	17	35	3	46	15	18	3	22	1	15	3	20	358	0	0	0	0	0	0
2200	21	0	18	0	28	2	29	2	0	0	0	0	252	0	272	241	249	0	263	235	314	3	42	237	316	3	45	220	0	0	0	0	0	0
2300	34	0	26	0	29	0	25	0	0	0	0	0	195	0	202	183	192	0	201	182	201	0	213	194	201	0	213	191	0	0	0	0	0	0
2400	40	0	36	0	35	0	39	0	0	0	0	0	255	0	266	247	249	0	259	238	267	0	285	258	265	0	281	256	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	680	0	675	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	689	0	682	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	682	0	676	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	684	0	678	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	682	0	676	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	680	0	675	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	693	0	687	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	707	0	702	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	712	0	709	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	721	0	716	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	730	0	725	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	752	0	750	0	315	2	315	2	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	775	0	774	0	315	2	315	2	320	0	320	0	-43	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	801	0	801	0	315	2	315	2	320	0	320	0	-54	0	-56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	822	0	822	0	315	2	315	2	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	849	0	849	0	315	2	315	2	320	0	320	0	-49	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	842	0	840	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	822	0	817	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	817	0	810	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	747	0	739	0	315	2	315	2	320	0	320	0	22	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	743	0	736	0	315	2	315	2	320	0	320	0	14	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	725	0	718	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	729	0	721	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	7	0	712	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	69	0	64	0	89	0	94	0	0	0	0	0	255	0	271	239	249	0	262	228	258	0	272	252	256	0	272	249	0	0	0	0	0	0
200	49	0	42	0	76	0	82	0	0	0	0	0	232	0	259	210	227	0	258	193	246	0	256	219	245	0	253	225	0	0	0	0	0	0
300	61	0	57	0	86	0	92	0	0	0	0	0	247	0	264	228	242	0	260	213	251	0	256	244	249	0	257	244	0	0	0	0	0	0
400	43	0	33	0	55	0	61	0	0	0	0	0	190	0	217	156	185	0	224	149	238	0	249	220	237	0	250	216	0	0	0	0	0	0
500	56	0	40	0	63	0	67	0	0	0	0	0	201	0	219	179	197	0	217	172	233	0	241	224	232	0	241	222	0	0	0	0	0	0
600	61	0	41	0	75	0	82	0	0	0	0	0	209	0	223	190	204	0	231	179	245	0	252	238	243	0	248	236	0	0	0	0	0	0
700	55	0	41	0	57	0	63	0	0	0	0	0	201	0	247	173	197	0	248	161	223	0	237	216	225	0	235	218	0	0	0	0	0	0
800	26	0	22	0	51	0	43	0	0	0	0	0	189	3	269	91	190	3	240	125	205	0	228	186	206	0	230	182	0	0	0	0	0	0
900	49	0	44	0	56	0	59	0	0	0	0	0	243	0	287	187	238	0	278	197	233	0	279	200	232	0	264	194	0	0	0	0	0	0
1000	51	0	50	0	50	0	53	0	0	0	0	0	249	0	292	215	242	0	299	209	232	0	261	194	230	0	260	193	0	0	0	0	0	0
1100	52	0	48	0	42	0	45	0	0	0	0	0	277	0	309	232	268	0	312	219	250	0	277	208	246	0	275	203	0	0	0	0	0	0
1200	46	0	40	0	42	0	46	0	0	0	0	0	263	0	304	227	255	0	306	218	270	0	298	229	266	0	293	217	0	0	0	0	0	0
1300	46	0	41	0	45	0	48	0	0	0	0	0	258	0	315	202	251	0	325	206	272	0	332	237	265	0	319	225	0	0	0	0	0	0
1400	51	0	45	0	50	0	52	0	0	0	0	0	276	0	344	211	267	0	327	201	286	0	321	254	281	0	313	252	0	0	0	0	0	0
1500	35	0	30	0	49	0	51	0	0	0	0	0	302	0	352	235	294	3	348	237	286	0	318	263	279	0	296	254	0	0	0	0	0	0
1600	36	0	32	0	50	0	50	0	0	0	0	0	288	0	335	237	281	0	355	212	286	0	333	242	280	0	312	232	0	0	0	0	0	0
1700	43	0	36	0	36	0	38	0	0	0	0	0	245	0	303	180	240	0	314	192	245	0	285	184	243	0	324	187	0	0	0	0	0	0
1800	41	0	37	0	47	0	52	0	0	0	0	0	254	0	303	225	250	0	307	218	250	0	284	219	248	0	273	226	0	0	0	0	0	0
1900	21	0	15	0	35	0	38	0	0	0	0	0	219	0	248	175	217	0	248	180	221	0	245	200	221	0	236	199	0	0	0	0	0	0
2000	30	0	21	0	69	0	55	0	0	0	0	0	196	0	249	111	194	3	259	152	193	0	212	186	193	0	201	187	0	0	0	0	0	0
2100	45	0	32	0	116	0	105	0	0	0	0	0	204	0	240	153	199	0	255	146	204	0	208	194	204	0	210	199	0	0	0	0	0	0
2200	56	0	41	0	127	0	111	0	0	0	0	0	204	0	250	173	199	0	248	147	211	0	217	204	212	0	219	205	0	0	0	0	0	0
2300	87	0	75	0	143	0	152	0	0	0	0	0	231	0	268	206	229	0	281	192	231	0	248	209	229	0	241	206	0	0	0	0	0	0
2400	91	0	85	0	144	0	154	0	0	0	0	0	239	0	260	215	237	0	287	193	239	0	261	208	236	0	257	210	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	711	0	705	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	693	0	685	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	685	0	678	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	666	0	658	0	315	2	315	2	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	657	0	651	0	315	2	315	2	320	0	320	0	38	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	673	0	667	0	315	2	315	2	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	684	0	678	0	315	2	315	2	320	0	320	0	36	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	734	0	730	0	315	2	315	2	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	748	0	743	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	774	0	770	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	777	0	774	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	792	0	788	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	817	0	815	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	838	0	837	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	833	0	831	0	315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	858	0	858	0	315	2	315	2	320	0	320	0	-43	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	851	0	847	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	835	0	829	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	831	0	826	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	797	0	792	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	779	0	772	0	315	2	315	2	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	765	0	759	0	315	2	315	2	320	0	320	0	47	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	781	0	775	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	772	0	766	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 3 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	69	0	63	0	118	0	127	0	0	0	0	0	234	0	262	209	230	0	262	197	240	0	250	229	238	0	246	216	0	0	0	0	0
200	54	0	38	0	95	0	103	0	0	0	0	0	216	0	244	175	213	0	244	169	230	0	239	216	229	0	241	219	0	0	0	0	0
300	52	0	35	0	108	0	115	0	0	0	0	0	211	0	239	182	211	0	241	172	232	0	247	221	230	0	251	214	0	0	0	0	0
400	50	0	36	0	96	0	102	0	0	0	0	0	204	0	242	148	202	0	254	105	231	0	246	209	230	0	251	203	0	0	0	0	0
500	61	0	44	0	107	0	114	0	0	0	0	0	212	0	231	171	208	0	240	172	236	0	246	223	233	0	248	219	0	0	0	0	0
600	49	0	45	0	105	0	101	0	0	0	0	0	181	0	238	143	176	0	237	115	219	0	233	210	219	0	231	208	0	0	0	0	0
700	61	0	43	0	118	0	127	0	0	0	0	0	203	0	230	164	199	0	251	141	224	0	234	213	225	0	233	214	0	0	0	0	0
800	51	0	38	0	87	0	88	0	0	0	0	0	215	0	239	166	212	0	260	135	218	0	245	195	220	0	240	197	0	0	0	0	0
900	33	0	25	0	60	0	56	0	0	0	0	0	224	0	341	185	213	3	264	140	209	0	244	176	209	0	250	170	0	0	0	0	0
1000	62	0	53	0	76	0	74	0	0	0	0	0	229	0	265	95	224	0	269	155	212	0	253	166	213	0	258	178	0	0	0	0	0
1100	69	0	61	0	99	0	99	0	0	0	0	0	240	0	302	191	237	0	300	186	222	0	258	184	222	0	259	190	0	0	0	0	0
1200	80	0	74	0	107	0	112	0	0	0	0	0	245	0	277	210	237	0	280	182	232	0	256	206	229	0	251	208	0	0	0	0	0
1300	87	0	84	0	126	0	130	0	0	0	0	0	246	0	324	204	244	0	327	192	238	0	279	213	234	0	259	204	0	0	0	0	0
1400	109	0	106	0	156	0	162	0	0	0	0	0	248	0	286	216	242	0	298	197	251	0	285	223	248	0	276	209	0	0	0	0	0
1500	131	0	129	0	185	0	198	0	0	0	0	0	249	0	277	232	244	0	270	198	245	0	252	236	243	0	260	233	0	0	0	0	0
1600	83	0	72	0	131	0	132	0	0	0	0	0	235	0	293	201	227	0	267	123	221	0	266	180	221	0	252	196	0	0	0	0	0
1700	81	0	68	0	122	0	116	0	0	0	0	0	236	0	286	193	233	0	280	194	219	0	259	185	216	0	253	170	0	0	0	0	0
1800	101	0	87	0	157	0	156	0	0	0	0	0	232	0	272	187	231	0	280	198	224	0	248	179	223	0	253	199	0	0	0	0	0
1900	73	0	62	0	118	0	112	0	0	0	0	0	226	0	263	177	223	0	263	152	215	0	244	193	216	0	239	187	0	0	0	0	0
2000	76	0	66	0	115	0	109	0	0	0	0	0	231	0	275	185	226	0	263	179	218	0	247	185	217	0	245	191	0	0	0	0	0
2100	55	0	42	0	121	0	103	0	0	0	0	0	206	0	253	93	205	0	261	145	199	0	225	178	199	0	222	179	0	0	0	0	0
2200	51	0	43	0	136	0	112	0	0	0	0	0	185	0	241	102	179	0	239	104	189	0	210	162	188	0	203	167	0	0	0	0	0
2300	63	0	59	0	151	0	131	0	0	0	0	0	172	0	246	105	167	0	246	100	179	0	197	153	180	0	196	161	0	0	0	0	0
2400	70	0	59	0	151	0	130	0	0	0	0	0	185	0	257	113	176	0	237	102	186	0	222	160	185	0	206	151	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	763	0	757	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	743	0	736	0	315	2	315	2	320	0	320	0	22	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	725	0	718	0	315	2	315	2	320	0	320	0	36	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	720	0	714	0	315	2	315	2	320	0	320	0	40	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	709	0	703	0	315	2	315	2	320	0	320	0	43	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	700	0	694	0	315	2	315	2	320	0	320	0	59	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	727	0	721	0	315	2	315	2	320	0	320	0	40	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	766	0	763	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	793	0	788	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	824	0	819	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	838	0	833	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	844	0	840	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	851	0	847	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	835	0	831	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	826	0	820	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	847	0	842	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	865	0	860	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	838	0	833	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	829	0	824	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	817	0	811	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	795	0	790	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	772	0	766	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	765	0	759	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	761	0	756	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	B S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	77	0	65	0	134	0	120	0	0	0	0	0	225	0	286	183	217	0	263	103	213	0	247	166	213	0	249	156	0	0	0	0	0	0
200	91	0	77	0	158	0	150	0	0	0	0	0	225	0	267	96	221	0	267	152	215	0	234	184	214	0	236	186	0	0	0	0	0	0
300	100	0	86	0	159	0	148	0	0	0	0	0	225	0	262	160	220	0	261	160	214	0	253	188	213	0	242	179	0	0	0	0	0	0
400	93	0	78	0	138	0	132	0	0	0	0	0	230	0	285	194	222	0	267	127	216	0	243	173	215	0	241	175	0	0	0	0	0	0
500	44	0	34	0	97	0	84	0	0	0	0	0	198	0	264	108	197	0	261	92	197	0	220	172	197	0	225	173	0	0	0	0	0	0
600	74	0	66	0	107	0	110	0	0	0	0	0	235	0	275	204	232	0	277	194	226	0	247	206	225	0	255	201	0	0	0	0	0	0
700	75	0	63	0	105	0	105	0	0	0	0	0	231	0	261	201	228	0	267	173	222	0	256	189	222	0	257	190	0	0	0	0	0	0
800	55	0	42	0	94	0	88	0	0	0	0	0	214	0	269	119	212	0	258	141	214	0	241	188	213	0	238	186	0	0	0	0	0	0
900	90	0	88	0	122	0	131	0	0	0	0	0	247	0	278	212	244	0	285	191	238	0	260	212	237	0	238	207	0	0	0	0	0	0
1000	106	0	103	0	152	0	160	0	0	0	0	0	253	0	283	231	247	0	318	215	254	0	279	234	252	0	276	227	0	0	0	0	0	0
1100	102	0	94	0	120	0	128	0	0	0	0	0	268	0	312	240	261	0	310	221	273	0	297	244	271	0	298	236	0	0	0	0	0	0
1200	87	0	80	0	116	0	121	0	0	0	0	0	294	0	331	263	286	0	349	248	301	0	308	287	294	0	302	286	0	0	0	0	0	0
1300	77	0	75	0	111	0	117	0	0	0	0	0	303	0	357	272	292	0	348	249	305	0	320	293	298	0	308	288	0	0	0	0	0	0
1400	65	0	62	0	77	0	82	0	0	0	0	0	307	0	355	242	296	0	332	249	303	0	325	267	296	0	316	225	0	0	0	0	0	0
1500	69	0	65	0	62	0	70	0	0	0	0	0	254	0	354	211	250	0	322	198	253	0	293	205	248	0	277	213	0	0	0	0	0	0
1600	56	0	51	0	65	0	70	0	0	0	0	0	245	0	279	206	242	0	277	199	238	0	266	196	236	0	268	190	0	0	0	0	0	0
1700	63	0	59	0	69	0	76	0	0	0	0	0	250	0	279	214	248	0	287	216	239	0	273	213	236	0	262	197	0	0	0	0	0	0
1800	86	0	82	0	114	0	123	0	0	0	0	0	246	0	280	216	242	0	271	187	247	0	268	231	245	0	270	223	0	0	0	0	0	0
1900	91	0	88	0	157	0	165	0	0	0	0	0	264	0	288	236	259	0	294	223	268	0	282	245	266	0	273	251	0	0	0	0	0	0
2000	101	0	92	0	146	0	156	0	0	0	0	0	280	0	330	247	274	0	328	226	289	0	322	262	285	0	314	258	0	0	0	0	0	0
2100	110	0	102	0	174	0	180	0	0	0	0	0	301	0	316	276	296	0	334	246	311	0	317	300	304	0	312	292	0	0	0	0	0	0
2200	134	0	124	0	179	0	189	0	0	0	0	0	292	0	341	264	284	0	341	247	297	0	316	266	289	0	308	250	0	0	0	0	0	0
2300	112	0	100	0	176	0	184	0	0	0	0	0	292	0	316	266	288	0	355	239	302	0	310	288	296	0	303	284	0	0	0	0	0	0
2400	143	0	136	0	209	0	214	0	0	0	0	0	303	0	324	274	297	0	350	260	309	0	316	300	301	0	306	296	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	768	0	765	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	777	0	772	0	315	2	315	2	320	0	320	0	2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	770	0	765	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	763	0	757	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	754	0	747	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	747	0	741	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	739	0	734	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	730	0	725	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	743	0	738	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	748	0	741	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	732	0	727	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	748	0	743	0	315	2	315	2	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	772	0	768	0	315	2	315	2	320	0	320	0	-63	2	-63	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	774	0	770	0	315	2	315	2	320	0	320	0	-58	0	-58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	757	0	752	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	795	0	792	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	802	0	799	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	802	0	797	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	783	0	779	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	765	0	759	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	750	0	745	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	747	0	739	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	732	0	727	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	725	0	720	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	123	0	117	0	191	0	192	0	0	0	0	0	316	0	355	285	304	0	350	249	323	0	339	306	316	0	338	294	0	0	0	0	0	0
200	121	0	118	0	189	0	189	0	0	0	0	0	340	0	27	278	333	0	24	270	337	0	0	308	332	0	358	304	0	0	0	0	0	0
300	105	0	103	0	166	0	164	0	0	0	0	0	345	0	26	301	339	0	71	282	341	0	4	304	335	0	355	297	0	0	0	0	0	0
400	147	0	145	0	218	0	219	0	0	0	0	0	338	0	26	292	330	0	36	281	337	0	1	303	331	0	357	309	0	0	0	0	0	0
500	142	0	136	0	196	0	194	0	0	0	0	0	319	0	349	249	313	0	358	229	328	0	352	286	322	0	351	294	0	0	0	0	0	0
600	133	0	128	0	185	0	186	0	0	0	0	0	318	0	359	276	308	0	351	219	323	0	338	308	316	0	342	290	0	0	0	0	0	0
700	133	0	131	0	181	0	185	0	0	0	0	0	320	0	23	277	311	0	353	257	325	0	3	296	320	0	0	283	0	0	0	0	0	0
800	109	0	104	0	176	0	177	0	0	0	0	0	331	0	15	286	318	0	359	239	328	0	347	293	325	0	5	272	0	0	0	0	0	0
900	110	0	105	0	150	0	147	0	0	0	0	0	324	0	8	275	316	0	14	270	332	0	15	296	324	0	4	285	0	0	0	0	0	0
1000	116	0	107	0	162	0	162	0	0	0	0	0	314	0	0	284	303	0	347	224	317	0	335	292	309	0	331	290	0	0	0	0	0	0
1100	95	0	92	0	123	0	126	0	0	0	0	0	311	0	346	251	302	0	351	249	321	0	351	293	313	0	341	284	0	0	0	0	0	0
1200	87	0	83	0	115	0	119	0	0	0	0	0	306	0	348	275	299	0	352	250	306	0	322	294	299	0	308	286	0	0	0	0	0	0
1300	74	0	70	0	85	0	90	0	0	0	0	0	279	0	339	229	274	0	343	214	285	0	343	251	278	0	319	237	0	0	0	0	0	0
1400	74	0	71	0	83	0	88	0	0	0	0	0	267	0	327	238	261	0	314	221	272	0	318	239	267	0	314	232	0	0	0	0	0	0
1500	72	0	68	0	74	0	77	0	0	0	0	0	249	0	292	216	242	0	291	191	250	0	305	216	249	0	299	205	0	0	0	0	0	0
1600	57	0	53	0	59	0	60	0	0	0	0	0	252	0	296	196	250	0	313	191	236	0	284	194	234	0	266	177	0	0	0	0	0	0
1700	80	0	77	0	75	0	81	0	0	0	0	0	250	0	272	235	244	0	275	217	244	0	253	232	242	0	253	229	0	0	0	0	0	0
1800	71	0	68	0	70	0	76	0	0	0	0	0	247	0	269	226	243	0	265	213	247	0	266	231	244	0	259	228	0	0	0	0	0	0
1900	47	0	45	0	50	0	56	0	0	0	0	0	247	0	284	206	243	0	296	194	245	0	272	223	243	0	269	211	0	0	0	0	0	0
2000	31	0	27	0	41	0	46	0	0	0	0	0	248	0	284	220	247	0	281	209	261	0	311	235	256	0	306	233	0	0	0	0	0	0
2100	53	0	39	0	84	0	77	0	0	0	0	0	200	0	237	163	195	0	233	127	207	0	230	194	207	0	230	194	0	0	0	0	0	0
2200	65	0	45	0	92	0	99	0	0	0	0	0	213	0	245	166	209	0	239	180	229	0	234	223	229	0	231	225	0	0	0	0	0	0
2300	71	0	52	0	111	0	121	0	0	0	0	0	206	0	222	175	203	0	239	169	224	0	230	214	224	0	229	215	0	0	0	0	0	0
2400	60	0	45	0	162	0	140	0	0	0	0	0	201	0	247	135	197	0	258	99	198	0	215	189	198	0	221	182	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	716	0	711	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	696	0	691	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	687	0	680	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	680	0	673	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	671	0	667	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	664	0	658	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	667	0	662	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	675	0	669	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	684	0	682	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	687	0	682	0	315	2	315	2	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	696	0	691	0	315	2	315	2	320	0	320	0	-36	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	718	0	714	0	315	2	315	2	320	0	320	0	-54	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	730	0	725	0	315	2	315	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	739	0	734	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	745	0	739	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	761	0	759	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	741	0	739	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	747	0	741	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	747	0	741	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	709	0	702	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	698	0	693	0	315	2	315	2	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	700	0	694	0	315	2	315	2	320	0	320	0	31	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	691	0	684	0	315	2	315	2	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	671	0	666	0	315	2	315	2	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 30 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	79	0	66	0	129	0	135	0	0	0	0	0	226	0	255	196	221	0	248	179	224	0	246	209	223	0	244	204	0	0	0	0	0	0
200	115	0	103	0	175	0	176	0	0	0	0	0	233	0	269	6	232	0	35	192	227	0	252	187	227	0	246	204	0	0	0	0	0	0
300	128	0	121	0	193	0	204	0	0	0	0	0	241	0	266	212	242	0	285	205	235	0	267	210	232	0	262	203	0	0	0	0	0	0
400	117	0	113	0	170	0	178	0	0	0	0	0	245	0	279	209	241	0	281	194	239	0	265	205	235	0	261	208	0	0	0	0	0	0
500	95	0	87	0	119	0	128	0	0	0	0	0	239	0	272	192	236	0	273	205	234	0	272	199	231	0	258	188	0	0	0	0	0	0
600	167	0	162	0	228	0	246	0	0	0	0	0	248	0	270	208	243	0	281	183	242	0	262	212	240	0	254	223	0	0	0	0	0	0
700	172	0	168	0	237	0	248	0	0	0	0	0	251	0	273	230	245	0	273	214	253	0	267	241	250	0	267	233	0	0	0	0	0	0
800	148	0	148	0	208	0	222	0	0	0	0	0	265	0	293	237	259	0	286	218	262	0	274	233	258	0	271	232	0	0	0	0	0	0
900	167	0	169	0	202	0	211	0	0	0	0	0	267	0	289	234	261	0	296	225	271	0	291	250	267	0	286	221	0	0	0	0	0	0
1000	129	0	125	0	154	0	163	0	0	0	0	0	270	0	299	245	264	0	317	227	271	0	299	248	267	0	288	238	0	0	0	0	0	0
1100	117	0	111	0	145	0	154	0	0	0	0	0	294	0	334	253	286	0	331	231	295	0	313	248	288	0	314	252	0	0	0	0	0	0
1200	110	0	103	0	143	0	145	0	0	0	0	0	310	0	338	286	300	0	350	246	313	0	337	302	305	0	324	292	0	0	0	0	0	0
1300	94	0	86	0	104	0	109	0	0	0	0	0	299	0	338	267	290	0	344	248	294	0	305	281	287	0	297	265	0	0	0	0	0	0
1400	78	0	76	0	97	0	100	0	0	0	0	0	306	0	338	272	296	0	338	232	310	0	330	297	303	0	324	286	0	0	0	0	0	0
1500	82	0	80	0	115	0	118	0	0	0	0	0	325	0	14	271	314	0	359	229	326	0	345	290	319	0	351	261	0	0	0	0	0	0
1600	75	0	73	0	108	0	109	0	0	0	0	0	332	0	13	289	325	0	29	271	333	0	13	302	327	0	8	291	0	0	0	0	0	0
1700	83	0	79	0	102	0	105	0	0	0	0	0	314	0	35	274	303	0	343	219	320	0	342	294	312	0	333	287	0	0	0	0	0	0
1800	81	0	75	0	97	0	99	0	0	0	0	0	306	0	340	266	298	0	353	211	311	0	334	297	304	0	320	288	0	0	0	0	0	0
1900	107	0	102	0	143	0	146	0	0	0	0	0	314	0	345	274	309	0	354	268	318	0	337	301	311	0	334	293	0	0	0	0	0	0
2000	157	0	149	0	206	0	210	0	0	0	0	0	313	0	340	273	307	0	4	270	315	0	322	303	307	0	316	291	0	0	0	0	0	0
2100	123	0	117	0	181	0	183	0	0	0	0	0	335	0	23	294	329	0	22	273	338	0	13	306	331	0	3	292	0	0	0	0	0	0
2200	132	0	129	0	196	0	199	0	0	0	0	0	326	0	0	291	317	0	352	254	329	0	354	308	324	0	347	296	0	0	0	0	0	0
2300	146	0	137	0	216	0	215	0	0	0	0	0	340	0	11	299	335	0	28	272	337	0	7	304	331	0	348	300	0	0	0	0	0	0
2400	134	0	128	0	220	0	220	0	0	0	0	0	329	0	62	282	325	0	3	273	331	0	355	286	325	0	1	284	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	678	0	673	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	702	0	696	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	705	0	698	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	693	0	687	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	687	0	682	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	691	0	685	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	689	0	684	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	691	0	684	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	689	0	684	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	687	0	682	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	705	0	698	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	684	0	678	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	721	0	718	0	315	2	315	2	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	739	0	734	0	315	2	315	2	320	0	320	0	-63	2	-63	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	743	0	738	0	315	2	315	2	320	0	320	0	-54	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	738	0	732	0	315	2	315	2	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	736	0	730	0	315	2	315	2	320	0	320	0	-43	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	727	0	720	0	315	2	315	2	320	0	320	0	-36	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	709	0	702	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	693	0	687	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	669	0	664	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	678	0	671	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	640	0	635	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	642	0	637	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	133	0	123	0	205	0	202	0	0	0	0	0	344	0	17	311	331	0	15	286	344	0	1	321	338	0	356	323	0	0	0	0	0	0
200	145	0	136	0	213	0	208	0	0	0	0	0	336	0	10	291	329	0	22	273	339	0	12	322	333	0	4	304	0	0	0	0	0	0
300	134	0	121	0	192	0	190	0	0	0	0	0	345	0	24	302	339	0	90	304	344	0	18	320	339	0	20	301	0	0	0	0	0	0
400	118	0	108	0	185	0	172	0	0	0	0	0	0	0	46	325	351	0	86	296	357	0	39	321	354	0	58	308	0	0	0	0	0	0
500	136	0	131	0	205	0	202	0	0	0	0	0	344	0	13	315	336	0	48	281	344	0	3	310	339	0	358	313	0	0	0	0	0	0
600	155	0	148	0	225	0	223	0	0	0	0	0	335	0	21	289	328	0	32	270	336	0	354	298	330	0	348	297	0	0	0	0	0	0
700	138	0	134	0	209	0	208	0	0	0	0	0	344	0	20	296	336	0	24	283	344	0	9	318	339	0	4	320	0	0	0	0	0	0
800	130	0	126	0	194	0	190	0	0	0	0	0	347	0	33	288	338	0	34	281	349	0	21	313	344	0	24	292	0	0	0	0	0	0
900	142	0	138	0	210	0	210	0	0	0	0	0	341	0	21	302	333	0	38	270	341	0	0	310	335	0	357	302	0	0	0	0	0	0
1000	133	0	124	0	182	0	180	0	0	0	0	0	343	0	18	296	335	0	79	285	344	0	21	303	339	0	9	308	0	0	0	0	0	0
1100	114	0	108	0	171	0	168	0	0	0	0	0	342	0	19	283	338	0	92	274	342	0	22	315	336	0	6	300	0	0	0	0	0	0
1200	123	0	120	0	169	0	170	0	0	0	0	0	344	0	22	304	336	0	26	295	344	0	24	312	339	0	19	289	0	0	0	0	0	0
1300	115	0	110	0	166	0	164	0	0	0	0	0	335	0	166	293	327	0	25	281	333	0	352	300	327	0	351	297	0	0	0	0	0	0
1400	110	0	102	0	157	0	157	0	0	0	0	0	339	0	47	290	335	0	109	273	335	0	5	283	330	0	357	286	0	0	0	0	0	0
1500	112	0	105	0	155	0	155	0	0	0	0	0	336	0	9	291	331	0	160	272	336	0	13	289	332	0	10	295	0	0	0	0	0	0
1600	110	0	105	0	150	0	148	0	0	0	0	0	341	0	40	300	334	0	15	284	343	0	17	298	336	0	8	294	0	0	0	0	0	0
1700	104	0	92	0	133	0	135	0	0	0	0	0	345	0	21	294	339	0	58	296	345	0	6	323	340	0	8	325	0	0	0	0	0	0
1800	49	0	43	0	73	0	73	0	0	0	0	0	13	0	99	278	9	0	114	277	358	0	42	288	353	0	39	290	0	0	0	0	0	0
1900	49	0	44	0	70	0	70	0	0	0	0	0	348	0	134	276	338	0	23	292	348	0	29	314	343	0	44	296	0	0	0	0	0	0
2000	40	0	33	0	56	0	56	0	0	0	0	0	12	0	47	331	5	0	46	306	357	0	40	330	352	0	26	326	0	0	0	0	0	0
2100	38	0	35	0	49	0	49	0	0	0	0	0	354	0	26	319	348	0	25	315	345	0	1	313	340	0	357	318	0	0	0	0	0	0
2200	34	0	30	0	32	0	36	0	0	0	0	0	319	0	337	292	311	0	337	284	313	0	323	295	306	0	323	292	0	0	0	0	0	0
2300	24	0	20	0	20	0	24	0	0	0	0	0	243	0	282	216	238	0	274	193	265	0	307	236	263	0	296	236	0	0	0	0	0	0
2400	25	0	17	0	10	0	14	0	0	0	0	0	201	0	220	176	197	5	216	169	242	5	276	217	239	5	261	214	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	626	0	621	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	628	0	622	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	621	0	617	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	621	0	615	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	621	0	613	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	615	0	608	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	617	0	612	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	624	0	619	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	626	0	621	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	631	0	626	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	646	0	640	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	658	0	653	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	671	0	666	0	315	2	315	2	320	0	320	0	-47	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	675	0	669	0	315	2	315	2	320	0	320	0	-49	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	680	0	675	0	315	2	315	2	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	685	0	682	0	315	2	315	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	691	0	685	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	707	0	702	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	696	0	689	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	660	0	653	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	648	0	639	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	630	0	622	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	635	0	626	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	637	0	628	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN S	MAX	WIND DIR5	MIN S	MAX	WIND DIR6
100	67	0	62	0	89	0	96	0	0	0	0	0	238	0	254	218	233	0	259	190	244	0	261	217	243	0	259	219	0	0	0	0	0	0	0
200	66	0	61	0	95	0	104	0	0	0	0	0	241	0	262	208	236	0	262	204	244	0	257	214	241	0	252	225	0	0	0	0	0	0	0
300	72	0	59	0	105	0	113	0	0	0	0	0	229	0	261	209	226	0	262	193	233	0	254	213	231	0	247	213	0	0	0	0	0	0	0
400	69	0	61	0	107	0	116	0	0	0	0	0	235	0	275	204	230	0	271	194	237	0	255	215	235	0	260	217	0	0	0	0	0	0	0
500	84	0	75	0	121	0	129	0	0	0	0	0	234	0	267	211	230	0	271	194	235	0	250	218	233	0	248	212	0	0	0	0	0	0	0
600	73	0	65	0	113	0	122	0	0	0	0	0	234	0	257	211	229	0	251	195	234	0	253	212	233	0	256	215	0	0	0	0	0	0	0
700	61	0	55	0	103	0	109	0	0	0	0	0	233	0	270	180	231	0	282	195	236	0	262	202	234	0	256	214	0	0	0	0	0	0	0
800	62	0	57	0	90	0	94	0	0	0	0	0	240	0	269	167	237	0	284	193	230	0	257	195	230	0	256	205	0	0	0	0	0	0	0
900	96	0	93	0	113	0	121	0	0	0	0	0	249	0	280	211	245	0	272	198	243	0	264	212	240	0	256	203	0	0	0	0	0	0	0
1000	89	0	85	0	103	0	110	0	0	0	0	0	251	0	281	203	245	0	303	189	243	0	266	204	240	0	264	209	0	0	0	0	0	0	0
1100	87	0	87	0	88	0	92	0	0	0	0	0	257	0	293	189	255	0	305	209	235	0	280	190	233	0	275	183	0	0	0	0	0	0	0
1200	119	0	121	0	130	0	139	0	0	0	0	0	268	0	287	234	261	0	287	218	261	0	277	226	258	0	270	230	0	0	0	0	0	0	0
1300	87	0	84	0	89	0	97	0	0	0	0	0	270	0	293	245	263	0	302	229	260	0	285	226	259	0	279	217	0	0	0	0	0	0	0
1400	74	0	69	0	82	0	87	0	0	0	0	0	266	0	296	233	260	0	305	231	264	0	286	239	262	0	288	230	0	0	0	0	0	0	0
1500	64	0	58	0	64	0	70	0	0	0	0	0	261	0	302	216	256	0	325	214	247	0	290	208	244	0	284	211	0	0	0	0	0	0	0
1600	64	0	58	0	70	0	76	0	0	0	0	0	255	0	295	194	249	0	304	181	248	0	286	208	245	0	284	213	0	0	0	0	0	0	0
1700	55	0	52	0	66	0	70	0	0	0	0	0	251	0	294	192	249	0	289	197	237	0	275	194	233	0	287	190	0	0	0	0	0	0	0
1800	38	0	29	0	60	0	62	0	0	0	0	0	222	0	254	173	222	3	259	179	223	0	239	200	222	0	236	196	0	0	0	0	0	0	0
1900	30	0	23	0	50	0	47	0	0	0	0	0	218	0	263	161	216	3	269	145	213	0	237	172	213	0	239	182	0	0	0	0	0	0	0
2000	68	0	52	0	116	0	105	0	0	0	0	0	222	0	336	196	218	0	268	169	214	0	224	204	215	0	226	201	0	0	0	0	0	0	0
2100	74	0	60	0	124	0	129	0	0	0	0	0	224	0	260	203	219	0	264	189	220	0	233	207	221	0	232	208	0	0	0	0	0	0	0
2200	53	0	38	0	109	0	100	0	0	0	0	0	204	0	260	146	201	0	263	147	214	0	223	202	215	0	224	199	0	0	0	0	0	0	0
2300	66	0	48	0	129	0	116	0	0	0	0	0	214	0	239	185	210	0	240	171	213	0	225	202	214	0	223	205	0	0	0	0	0	0	0
2400	68	0	49	0	130	0	128	0	0	0	0	0	216	0	248	180	209	0	262	138	217	0	230	203	217	0	234	200	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	633	0	628	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	639	0	633	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	621	0	615	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	630	0	624	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	646	0	639	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	642	0	635	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	637	0	633	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	667	0	662	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	682	0	676	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	703	0	698	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	723	0	720	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	734	0	730	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	747	0	741	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	756	0	750	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	777	0	774	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	783	0	777	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	799	0	793	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	766	0	763	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	797	0	792	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	752	0	747	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	748	0	743	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	732	0	727	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	716	0	711	0	315	2	315	2	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	709	0	703	0	315	2	315	2	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	46	0	32	0	116	0	99	0	0	0	0	0	194	0	267	156	189	0	255	114	196	0	208	185	195	0	213	184	0	0	0	0	0
200	53	0	43	0	116	0	99	0	0	0	0	0	163	0	198	116	158	0	217	92	182	0	201	163	183	0	207	159	0	0	0	0	0
300	56	0	51	0	136	0	117	0	0	0	0	0	165	0	249	119	161	0	224	90	179	0	193	154	180	0	210	155	0	0	0	0	0
400	47	0	37	0	114	0	100	0	0	0	0	0	172	0	233	99	171	0	248	90	181	0	214	150	181	0	218	150	0	0	0	0	0
500	60	0	52	0	147	0	123	0	0	0	0	0	175	0	251	120	168	0	269	92	183	0	215	157	184	0	214	158	0	0	0	0	0
600	58	0	42	0	151	0	125	0	0	0	0	0	198	0	252	139	196	0	261	111	195	0	224	174	195	0	212	170	0	0	0	0	0
700	43	0	36	0	102	0	86	0	0	0	0	0	185	0	241	102	186	0	254	116	194	0	219	159	194	0	217	171	0	0	0	0	0
800	46	0	37	0	89	0	77	0	0	0	0	0	195	0	259	120	195	0	260	104	195	0	228	145	195	0	222	165	0	0	0	0	0
900	52	0	43	0	102	0	88	0	0	0	0	0	189	0	267	101	175	0	262	90	184	0	230	127	186	0	218	102	0	0	0	0	0
1000	78	0	63	0	121	0	105	0	0	0	0	0	214	0	258	114	209	0	266	100	196	0	228	155	197	0	240	149	0	0	0	0	0
1100	87	0	72	0	108	0	104	0	0	0	0	0	234	0	293	195	231	0	306	185	222	0	260	195	221	0	252	196	0	0	0	0	0
1200	89	0	78	0	106	0	116	0	0	0	0	0	247	0	300	219	244	0	323	197	254	0	300	208	252	0	296	220	0	0	0	0	0
1300	79	0	71	0	93	0	99	0	0	0	0	0	254	0	297	196	247	0	288	186	252	0	290	197	246	0	280	192	0	0	0	0	0
1400	86	0	80	0	86	0	93	0	0	0	0	0	271	0	294	217	265	0	313	205	250	0	282	199	247	0	286	195	0	0	0	0	0
1500	107	0	99	0	124	0	132	0	0	0	0	0	268	0	315	238	260	0	314	218	264	0	297	236	261	0	293	230	0	0	0	0	0
1600	47	0	31	0	110	0	98	0	0	0	0	0	213	0	268	150	206	0	261	133	202	0	223	188	202	0	217	188	0	0	0	0	0
1700	49	0	39	0	67	0	65	0	0	0	0	0	232	0	324	181	224	0	269	157	216	0	259	167	216	0	245	156	0	0	0	0	0
1800	39	0	29	0	75	0	62	0	0	0	0	0	203	0	261	104	195	3	260	124	196	0	256	171	196	0	250	147	0	0	0	0	0
1900	38	0	32	0	81	0	69	0	0	0	0	0	192	0	250	95	184	0	268	92	189	0	222	157	189	0	215	148	0	0	0	0	0
2000	33	0	26	0	68	0	57	0	0	0	0	0	189	0	269	108	182	3	250	111	188	0	219	158	189	0	210	170	0	0	0	0	0
2100	36	0	25	0	97	0	83	0	0	0	0	0	194	0	261	113	188	3	269	111	196	0	208	182	195	0	204	184	0	0	0	0	0
2200	78	0	68	0	110	0	117	0	0	0	0	0	236	0	275	196	230	0	272	197	228	0	249	190	226	0	260	200	0	0	0	0	0
2300	42	0	32	0	78	0	72	0	0	0	0	0	202	0	244	132	199	0	249	113	209	0	228	175	209	0	233	171	0	0	0	0	0
2400	36	0	26	0	76	0	67	0	0	0	0	0	200	0	248	165	197	3	239	145	203	0	214	198	203	0	217	196	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	694	0	687	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	684	0	676	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	667	0	662	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	684	0	678	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	680	0	675	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	658	0	651	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	666	0	660	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	689	0	684	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	714	0	711	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	738	0	730	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	759	0	754	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	750	0	745	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	766	0	763	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	765	0	761	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	754	0	748	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	714	0	709	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	783	0	777	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	765	0	759	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	752	0	747	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	745	0	738	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	718	0	712	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	720	0	714	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	705	0	700	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	678	0	671	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
														50		B		150A		S		150B		S				S				S		
100	39	0	36	0	80	0	69	0	0	0	0	0	177	0	208	152	173	0	202	134	199	0	213	191	198	0	210	189	0	0	0	0	0	0
200	38	0	33	0	94	0	77	0	0	0	0	0	173	0	222	103	167	0	223	102	192	0	208	175	192	0	209	178	0	0	0	0	0	0
300	61	0	55	0	91	0	98	0	0	0	0	0	239	0	271	210	235	0	262	160	240	0	259	224	238	0	257	219	0	0	0	0	0	0
400	40	0	30	0	60	0	66	0	0	0	0	0	224	0	246	191	219	0	246	179	237	0	253	217	234	0	251	219	0	0	0	0	0	0
500	51	0	48	0	33	0	31	0	0	0	0	0	179	0	186	169	178	0	206	157	216	0	246	191	218	0	246	199	0	0	0	0	0	0
600	37	0	32	0	92	0	67	0	0	0	0	0	172	0	211	117	168	0	217	100	190	0	195	183	190	0	196	182	0	0	0	0	0	0
700	36	0	25	0	77	0	83	0	0	0	0	0	199	0	265	159	195	3	248	126	227	0	242	211	225	0	235	207	0	0	0	0	0	0
800	45	0	42	0	48	0	54	0	0	0	0	0	249	0	308	219	246	0	323	213	250	0	268	211	249	0	265	228	0	0	0	0	0	0
900	41	2	38	2	46	2	52	2	0	0	0	0	246	2	277	210	243	2	287	210	249	2	268	212	246	2	258	222	0	0	0	0	0	0
1000	30	0	25	0	28	0	31	0	0	0	0	0	300	0	359	248	288	3	351	228	315	0	358	272	307	0	346	252	0	0	0	0	0	0
1100	50	0	46	0	56	0	60	0	0	0	0	0	306	0	344	266	296	0	346	237	300	0	330	279	293	0	314	267	0	0	0	0	0	0
1200	48	0	42	0	62	0	63	0	0	0	0	0	299	0	345	214	291	0	334	213	316	0	350	286	309	0	336	272	0	0	0	0	0	0
1300	67	0	63	0	73	0	75	0	0	0	0	0	332	0	27	279	326	0	40	276	332	0	351	303	326	0	349	270	0	0	0	0	0	0
1400	68	0	60	0	74	0	74	0	0	0	0	0	345	0	27	279	335	0	39	273	350	0	25	329	343	0	9	322	0	0	0	0	0	0
1500	64	0	57	0	82	0	81	0	0	0	0	0	352	0	41	286	345	0	36	275	351	0	11	331	345	0	9	320	0	0	0	0	0	0
1600	37	0	33	0	45	0	45	0	0	0	0	0	0	0	160	288	358	0	169	276	354	0	59	278	357	0	139	305	0	0	0	0	0	0
1700	42	0	36	0	51	0	52	0	0	0	0	0	359	0	66	290	350	0	57	276	0	0	63	271	359	0	36	289	0	0	0	0	0	0
1800	20	0	18	0	27	0	28	0	0	0	0	0	17	3	151	295	16	3	125	289	4	3	67	276	5	3	100	309	0	0	0	0	0	0
1900	45	0	40	0	58	0	58	0	0	0	0	0	27	0	73	345	19	0	65	333	18	0	60	344	14	0	49	343	0	0	0	0	0	0
2000	34	0	32	0	49	0	56	0	0	0	0	0	85	0	122	51	81	0	135	32	69	0	99	50	68	0	99	44	0	0	0	0	0	0
2100	56	0	50	0	76	0	76	0	0	0	0	0	93	0	103	81	91	0	104	79	88	0	93	81	89	0	94	82	0	0	0	0	0	0
2200	56	0	51	0	84	0	85	0	0	0	0	0	93	0	100	84	91	0	106	81	93	0	97	89	94	0	99	89	0	0	0	0	0	0
2300	51	0	47	0	80	0	81	0	0	0	0	0	103	0	108	96	101	0	113	92	96	0	100	90	97	0	102	90	0	0	0	0	0	0
2400	55	0	51	0	88	0	90	0	0	0	0	0	128	0	136	123	130	0	138	124	115	0	120	111	118	0	121	113	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	669	0	664	0	315	2	315	2	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	666	0	658	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	685	0	680	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	673	0	667	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	662	0	657	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	649	0	642	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	662	0	657	0	315	2	315	2	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	700	0	696	0	315	2	315	2	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	718	2	714	2	315	2	315	2	320	0	320	0	-20	2	-20	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	747	0	745	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	765	0	761	0	315	2	315	2	320	0	320	0	-47	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	770	0	766	0	315	2	315	2	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	784	0	781	0	315	2	315	2	320	0	320	0	-56	0	-56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	781	0	777	0	315	2	315	2	320	0	320	0	-50	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	779	0	775	0	315	2	315	2	320	0	320	0	-50	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	786	0	783	0	315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	779	0	775	0	315	2	315	2	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	804	0	799	0	315	2	315	2	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	748	0	743	0	315	2	315	2	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	714	0	707	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	718	0	711	0	315	2	315	2	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	718	0	709	0	315	2	315	2	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	712	0	703	0	315	2	315	2	320	0	320	0	50	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	702	0	696	0	315	2	315	2	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION -- TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	58	0	56	0	88	0	89	0	0	0	0	0	135	0	142	126	136	0	147	127	134	0	140	130	137	0	143	133	0	0	0	0	0	0
200	53	0	48	0	89	0	93	0	0	0	0	0	127	0	141	119	128	0	138	124	148	0	154	142	152	0	158	147	0	0	0	0	0	0
300	58	0	53	0	88	0	69	0	0	0	0	0	156	0	186	135	154	0	173	125	186	0	200	178	186	0	201	178	0	0	0	0	0	0
400	48	0	43	0	92	0	82	0	0	0	0	0	181	0	209	152	174	0	203	134	206	0	220	194	207	0	223	194	0	0	0	0	0	0
500	56	0	51	0	95	0	73	0	0	0	0	0	152	0	166	125	150	0	180	126	182	0	195	172	183	0	197	174	0	0	0	0	0	0
600	52	0	43	0	123	0	111	0	0	0	0	0	186	0	218	143	184	0	226	136	204	0	222	192	205	0	225	191	0	0	0	0	0	0
700	39	0	32	0	100	0	86	0	0	0	0	0	184	0	256	103	180	0	265	104	196	0	211	178	195	0	210	183	0	0	0	0	0	0
800	30	0	24	0	55	0	48	0	0	0	0	0	194	3	265	92	189	3	267	93	187	0	210	112	189	0	214	127	0	0	0	0	0	0
900	47	0	42	0	56	0	54	0	0	0	0	0	233	0	268	144	236	0	311	187	218	0	263	168	217	0	259	171	0	0	0	0	0	0
1000	49	0	46	0	56	0	59	0	0	0	0	0	248	0	290	208	246	0	298	196	230	0	261	138	228	0	265	159	0	0	0	0	0	0
1100	70	0	66	0	72	0	78	0	0	0	0	0	253	0	287	215	247	0	282	218	250	0	277	220	247	0	288	201	0	0	0	0	0	0
1200	78	0	74	0	91	0	98	0	0	0	0	0	265	0	292	223	259	0	294	209	260	0	271	245	258	0	270	238	0	0	0	0	0	0
1300	73	0	69	0	80	0	84	0	0	0	0	0	268	0	299	243	262	0	295	217	266	0	305	229	263	0	292	230	0	0	0	0	0	0
1400	54	0	46	0	64	0	68	0	0	0	0	0	297	0	331	255	288	0	343	213	286	0	323	220	280	0	311	248	0	0	0	0	0	0
1500	57	0	51	0	60	0	66	0	0	0	0	0	308	0	347	265	297	0	334	246	293	0	317	256	287	0	314	257	0	0	0	0	0	0
1600	46	0	39	0	53	0	60	0	0	0	0	0	300	0	344	262	289	0	359	241	281	0	314	225	278	0	315	220	0	0	0	0	0	0
1700	51	0	45	0	53	0	58	0	0	0	0	0	259	0	298	211	253	0	297	193	261	0	294	213	259	0	285	211	0	0	0	0	0	0
1800	43	0	36	0	50	0	54	0	0	0	0	0	270	0	315	224	263	0	306	221	278	0	323	244	273	0	308	240	0	0	0	0	0	0
1900	42	0	33	0	57	0	62	0	0	0	0	0	228	0	269	197	224	0	264	185	225	0	253	205	225	0	252	193	0	0	0	0	0	0
2000	32	0	21	0	87	0	77	0	0	0	0	0	201	0	259	132	192	3	263	101	196	0	205	188	195	0	202	184	0	0	0	0	0	0
2100	41	0	30	0	111	0	97	0	0	0	0	0	205	0	262	101	195	3	246	93	199	0	210	183	199	0	212	184	0	0	0	0	0	0
2200	77	0	61	0	122	0	120	0	0	0	0	0	228	0	258	194	223	0	275	181	220	0	246	201	220	0	235	201	0	0	0	0	0	0
2300	92	0	78	0	149	0	154	0	0	0	0	0	233	0	262	194	227	0	258	184	227	0	248	191	226	0	246	200	0	0	0	0	0	0
2400	85	0	70	0	143	0	145	0	0	0	0	0	231	0	280	184	227	0	269	173	224	0	247	201	222	0	241	199	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	703	0	696	0	315	2	315	2	320	0	320	0	43	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	691	0	684	0	315	2	315	2	320	0	320	0	50	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	687	0	680	0	315	2	315	2	320	0	320	0	52	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	694	0	687	0	315	2	315	2	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	673	0	667	0	315	2	315	2	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	682	0	676	0	315	2	315	2	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	702	0	698	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	750	0	747	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	786	0	781	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	804	0	801	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	806	0	801	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	817	0	811	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	828	0	822	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	860	0	858	0	315	2	315	2	320	0	320	0	-50	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	869	0	865	0	315	2	315	2	320	0	320	0	-58	0	-58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	873	0	869	0	315	2	315	2	320	0	320	0	-54	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	858	0	855	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	840	0	837	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	842	0	837	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	804	0	799	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	786	0	781	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	793	0	788	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	786	0	781	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	783	0	775	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		MIN 50	MAX B	S	WIND DIR2		MIN 150A	MAX	S	WIND DIR3		MIN 150B	MAX	S	WIND DIR4		MIN S	MAX	S	WIND DIR5		MIN S	MAX	S	WIND DIR6	
100	79	0	66	0	126	0	125	0	0	0	0	0	227	0	251	189		224	0	269	135		220	0	239	196		220	0	238	199		0	0	0	0		0	0
200	70	0	56	0	118	0	113	0	0	0	0	0	224	0	262	177		221	0	260	157		216	0	242	194		217	0	238	190		0	0	0	0		0	0
300	63	0	47	0	116	0	116	0	0	0	0	0	218	0	267	192		214	0	251	171		219	0	231	207		220	0	230	208		0	0	0	0		0	0
400	76	0	62	0	126	0	127	0	0	0	0	0	223	0	245	171		219	0	246	169		221	0	243	202		221	0	246	201		0	0	0	0		0	0
500	87	0	66	0	143	0	137	0	0	0	0	0	223	0	304	185		218	0	265	180		217	0	239	199		218	0	241	193		0	0	0	0		0	0
600	67	0	56	0	119	0	117	0	0	0	0	0	225	0	255	184		224	0	260	169		220	0	245	197		219	0	234	184		0	0	0	0		0	0
700	56	0	43	0	113	0	103	0	0	0	0	0	219	0	268	132		210	0	266	137		212	0	254	166		212	0	245	182		0	0	0	0		0	0
800	72	0	63	0	103	0	106	0	0	0	0	0	241	0	273	190		237	0	281	189		226	0	263	200		224	0	256	184		0	0	0	0		0	0
900	89	0	80	0	119	0	124	0	0	0	0	0	246	0	290	193		240	0	299	191		235	0	260	193		232	0	260	201		0	0	0	0		0	0
1000	118	0	111	0	159	0	170	0	0	0	0	0	246	0	269	228		239	0	265	207		243	0	254	232		240	0	248	226		0	0	0	0		0	0
1100	133	0	123	0	188	0	199	0	0	0	0	0	246	0	269	227		239	0	272	200		244	0	252	229		241	0	254	228		0	0	0	0		0	0
1200	151	0	145	0	214	0	223	0	0	0	0	0	249	0	268	215		244	0	272	206		247	0	266	238		243	0	250	237		0	0	0	0		0	0
1300	120	0	113	0	176	0	184	0	0	0	0	0	248	0	270	223		241	0	276	205		252	0	275	238		248	0	264	223		0	0	0	0		0	0
1400	114	0	107	0	164	0	172	0	0	0	0	0	249	0	277	222		243	0	278	215		248	0	262	204		245	0	263	205		0	0	0	0		0	0
1500	114	0	106	0	149	0	160	0	0	0	0	0	249	0	272	223		243	0	277	201		240	0	271	188		237	0	262	171		0	0	0	0		0	0
1600	128	0	124	0	176	0	185	0	0	0	0	0	250	0	284	206		242	0	288	197		242	0	260	211		240	0	260	205		0	0	0	0		0	0
1700	125	0	120	0	185	0	197	0	0	0	0	0	246	0	282	214		240	0	273	182		245	0	275	225		241	0	252	195		0	0	0	0		0	0
1800	110	0	104	0	179	0	187	0	0	0	0	0	247	0	277	221		242	0	280	198		250	0	262	238		247	0	253	228		0	0	0	0		0	0
1900	142	0	137	0	197	0	192	0	0	0	0	0	34	0	76	354		25	0	93	341		19	0	47	352		15	0	48	345		0	0	0	0		0	0
2000	75	0	66	0	85	0	86	0	0	0	0	0	121	0	187	94		120	0	148	70		111	0	133	82		115	0	132	96		0	0	0	0		0	0
2100	61	0	54	0	128	0	131	0	0	0	0	0	160	0	220	106		154	0	234	92		161	0	189	149		163	0	180	153		0	0	0	0		0	0
2200	34	0	27	0	95	0	79	0	0	0	0	0	189	0	249	112		184	3	248	100		184	0	208	171		184	0	203	171		0	0	0	0		0	0
2300	32	0	28	0	41	0	43	0	0	0	0	0	255	0	277	235		249	0	268	222		231	0	271	206		229	0	269	212		0	0	0	0		0	0
2400	51	0	46	0	74	0	79	0	0	0	0	0	251	0	272	235		246	0	272	226		234	0	243	229		231	0	240	226		0	0	0	0		0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	784	0	777	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	775	0	770	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	761	0	754	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	754	0	748	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	748	0	743	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	743	0	738	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	756	0	750	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	775	0	772	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	775	0	770	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	766	0	763	0	315	2	315	2	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	784	0	779	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	801	0	793	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	813	0	810	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	817	0	811	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	835	0	829	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	847	0	842	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	828	0	824	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	817	0	813	0	315	2	315	2	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	757	0	752	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	741	0	734	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	748	0	743	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	754	0	748	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	763	0	757	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	754	0	748	0	315	2	315	2	320	0	320	0	22	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	38	0	31	0	71	0	77	0	0	0	0	0	235	0	262	211	231	0	265	193	229	0	249	209	228	0	243	207	0	0	0	0	0	0
200	78	0	66	0	108	0	109	0	0	0	0	0	347	0	20	270	338	0	60	272	337	0	19	270	335	0	25	272	0	0	0	0	0	0
300	54	0	53	0	70	0	79	0	0	0	0	0	63	0	104	37	59	0	105	24	52	0	91	25	51	0	90	10	0	0	0	0	0	0
400	58	0	53	0	73	0	75	0	0	0	0	0	98	0	124	72	95	0	124	56	86	0	107	57	87	0	108	49	0	0	0	0	0	0
500	72	0	67	0	96	0	104	0	0	0	0	0	88	0	121	59	84	0	137	43	78	0	109	48	78	0	117	43	0	0	0	0	0	0
600	63	0	63	0	76	0	86	0	0	0	0	0	69	0	124	35	65	0	114	14	67	0	109	34	66	0	120	28	0	0	0	0	0	0
700	58	0	50	0	80	0	81	0	0	0	0	0	108	0	128	83	106	0	135	78	103	0	123	82	104	0	128	83	0	0	0	0	0	0
800	56	0	49	0	70	0	72	0	0	0	0	0	94	0	122	64	91	0	127	33	85	0	117	67	86	0	110	64	0	0	0	0	0	0
900	46	0	40	0	54	0	61	0	0	0	0	0	86	0	131	39	84	0	130	25	76	0	116	37	76	0	111	37	0	0	0	0	0	0
1000	89	0	86	0	113	0	120	0	0	0	0	0	87	0	119	54	82	0	127	35	74	0	102	48	74	0	101	44	0	0	0	0	0	0
1100	102	0	99	0	127	0	131	0	0	0	0	0	90	0	121	54	87	0	135	36	86	0	133	63	85	0	131	54	0	0	0	0	0	0
1200	73	0	65	0	82	0	84	0	0	0	0	0	107	0	141	73	108	0	150	53	106	0	138	67	106	0	151	61	0	0	0	0	0	0
1300	57	0	55	0	70	0	72	0	0	0	0	0	107	0	166	59	105	0	176	42	105	0	144	65	106	0	160	52	0	0	0	0	0	0
1400	67	0	64	0	107	0	106	0	0	0	0	0	21	0	97	270	13	0	152	270	5	0	46	318	3	0	66	297	0	0	0	0	0	0
1500	119	0	112	0	146	0	142	0	0	0	0	0	23	0	92	341	14	0	81	329	15	0	42	332	9	0	36	335	0	0	0	0	0	0
1600	116	0	112	0	144	0	139	0	0	0	0	0	26	0	54	2	19	0	93	337	13	0	32	338	7	0	25	331	0	0	0	0	0	0
1700	103	0	98	0	127	0	126	0	0	0	0	0	33	0	73	339	28	0	115	311	19	0	51	350	14	0	43	346	0	0	0	0	0	0
1800	102	0	97	0	136	0	133	0	0	0	0	0	37	0	67	6	29	0	142	351	27	0	46	12	24	0	49	351	0	0	0	0	0	0
1900	91	0	85	0	125	0	123	0	0	0	0	0	34	0	74	7	28	0	102	1	27	0	45	7	22	0	42	357	0	0	0	0	0	0
2000	84	0	0	2	86	0	0	2	0	2	0	2	43	0	28	59	0	2	0	0	53	0	39	72	0	2	0	0	0	2	0	0	0	2
2100	102	0	0	2	77	0	0	2	0	2	0	2	47	0	24	62	0	2	0	0	70	0	50	78	0	2	0	0	0	2	0	0	0	2
2200	117	0	0	2	105	0	0	2	0	2	0	2	50	0	32	59	0	2	0	0	75	0	56	90	0	2	0	0	0	2	0	0	0	2
2300	82	0	0	2	121	0	0	2	0	2	0	2	51	0	36	66	0	2	0	0	84	0	73	100	0	2	0	0	0	2	0	0	0	2
2400	57	0	0	2	132	0	0	2	0	2	0	2	55	0	51	75	0	2	0	0	96	0	84	106	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	757	0	752	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	756	0	750	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	734	0	729	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	725	0	720	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	720	0	714	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	703	0	696	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	700	0	694	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	705	0	702	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	732	0	729	0	315	2	315	2	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	757	0	757	0	315	2	315	2	320	0	320	0	-32	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	775	0	774	0	315	2	315	2	320	0	320	0	-31	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	766	0	763	0	315	2	315	2	320	0	320	0	-13	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	802	0	804	0	315	2	315	2	320	0	320	0	-23	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	795	0	793	0	315	2	315	2	320	0	320	0	-52	0	-56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	761	0	757	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	752	0	748	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	750	0	747	0	315	2	315	2	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	721	0	716	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	716	0	712	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	713	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	713	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	717	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	717	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	695	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN S	MAX	S	WIND DIR5	MIN S	MAX	S	WIND DIR6
100	59	0	0	2	130	0	0	2	0	2	0	2	78	0	63	95	0	2	0	0	96	0	84	100	0	2	0	0	0	2	0	0	2
200	77	0	0	2	121	0	0	2	0	2	0	2	87	0	71	100	0	2	0	0	88	0	81	97	0	2	0	0	0	2	0	0	2
300	90	0	0	2	100	0	0	2	0	2	0	2	96	0	84	114	0	2	0	0	92	0	80	102	0	2	0	0	0	2	0	0	2
400	90	0	0	2	65	0	0	2	0	2	0	2	101	0	88	124	0	2	0	0	75	0	54	95	0	2	0	0	0	2	0	0	2
500	65	0	0	2	38	0	0	2	0	2	0	2	101	0	89	113	0	2	0	0	88	0	63	109	0	2	0	0	0	2	0	0	2
600	46	0	0	2	57	0	0	2	0	2	0	2	98	0	86	117	0	2	0	0	101	0	83	125	0	2	0	0	0	2	0	0	2
700	38	0	0	2	30	0	0	2	0	2	0	2	90	0	80	110	0	2	0	0	29	0	351	62	0	2	0	0	0	2	0	0	2
800	27	0	0	2	42	0	0	2	0	2	0	2	66	0	45	89	0	2	0	0	38	0	8	57	0	2	0	0	0	2	0	0	2
900	27	0	23	0	31	0	33	0	0	0	0	0	132	0	261	94	120	3	172	59	130	0	207	101	131	0	200	93	0	0	0	0	0
1000	38	0	34	0	50	0	49	0	0	0	0	0	12	0	146	301	6	0	172	270	6	0	63	293	2	0	175	308	0	0	0	0	0
1100	52	0	48	0	72	0	72	0	0	0	0	0	28	0	66	3	19	0	70	348	15	0	45	337	10	0	38	329	0	0	0	0	0
1200	23	0	27	0	35	0	33	0	0	0	0	0	54	3	104	6	54	3	129	2	52	0	121	3	49	0	122	0	0	0	0	0	0
1300	47	0	41	0	61	0	59	0	0	0	0	0	341	0	58	280	339	0	171	287	0	0	45	322	352	0	54	293	0	0	0	0	0
1400	30	0	29	0	45	0	44	0	0	0	0	0	13	3	105	279	16	3	169	272	4	0	60	311	353	0	38	283	0	0	0	0	0
1500	70	0	65	0	94	0	93	0	0	0	0	0	345	0	34	287	337	0	49	280	358	0	31	314	351	0	26	312	0	0	0	0	0
1600	39	0	39	0	76	0	72	0	0	0	0	0	7	0	143	300	359	0	150	287	358	0	57	299	355	0	79	306	0	0	0	0	0
1700	62	0	55	0	81	0	81	0	0	0	0	0	354	0	68	303	348	0	91	279	0	0	69	283	357	0	168	292	0	0	0	0	0
1800	51	0	46	0	76	0	75	0	0	0	0	0	356	0	87	279	347	0	100	270	354	0	18	314	350	0	24	292	0	0	0	0	0
1900	47	0	44	0	64	0	64	0	0	0	0	0	27	0	71	341	23	0	82	322	8	0	36	339	3	0	37	332	0	0	0	0	0
2000	74	0	68	0	93	0	92	0	0	0	0	0	25	0	37	12	18	0	37	338	16	0	24	7	13	0	20	6	0	0	0	0	0
2100	34	0	33	0	65	0	65	0	0	0	0	0	52	0	65	34	48	0	69	25	36	0	43	25	32	0	38	21	0	0	0	0	0
2200	57	0	51	0	61	0	74	0	0	0	0	0	79	0	93	70	77	0	93	59	65	0	72	59	65	0	72	62	0	0	0	0	0
2300	49	0	43	0	58	0	57	0	0	0	0	0	102	0	114	94	100	0	115	91	81	0	87	77	81	0	89	77	0	0	0	0	0
2400	49	0	45	0	40	0	42	0	0	0	0	0	159	0	177	147	156	0	190	129	103	0	106	99	105	0	108	100	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	679	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	669	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	656	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	645	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	635	0	0	2	0	2	0	2	0	2	0	2	6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	622	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	625	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	649	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	673	0	669	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	694	0	691	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	657	0	651	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	723	0	725	0	315	2	315	2	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	714	0	711	0	315	2	315	2	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	727	0	725	0	315	2	315	2	320	0	320	0	-38	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	725	0	723	0	315	2	315	2	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	709	0	707	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	729	0	723	0	315	2	315	2	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	716	0	711	0	315	2	315	2	320	0	320	0	-34	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	696	0	691	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	662	0	655	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	635	0	628	0	315	2	315	2	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	610	0	603	0	315	2	315	2	320	0	320	0	49	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	622	0	613	0	315	2	315	2	320	0	320	0	29	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	604	0	597	0	315	2	315	2	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	B S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	45	0	41	0	32	0	35	0	0	0	0	0	154	0	180	138	153	0	180	136	138	0	144	130	140	0	147	133	0	0	0	0	0	0
200	14	0	14	0	13	0	15	0	0	0	0	0	22	3	142	281	10	3	133	292	303	0	358	245	299	0	359	238	0	0	0	0	0	0
300	20	0	15	0	24	0	25	0	0	0	0	0	349	5	47	342	340	5	359	336	345	0	359	339	339	0	346	332	0	0	0	0	0	0
400	51	0	47	0	35	0	38	0	0	0	0	0	151	0	170	135	150	0	170	134	121	0	129	113	124	0	132	115	0	0	0	0	0	0
500	52	0	47	0	51	0	54	0	0	0	0	0	163	0	176	145	159	0	172	126	152	0	160	142	154	0	163	143	0	0	0	0	0	0
600	38	0	31	0	36	0	38	0	0	0	0	0	134	0	146	120	131	0	148	114	139	0	154	130	141	0	151	132	0	0	0	0	0	0
700	30	0	26	0	24	2	25	2	0	0	0	0	111	0	144	58	109	0	138	56	84	0	162	24	90	0	179	21	0	0	0	0	0	0
800	37	0	33	0	50	0	55	0	0	0	0	0	101	0	121	86	99	0	124	78	60	0	73	52	59	0	75	50	0	0	0	0	0	0
900	46	0	40	0	51	0	50	0	0	0	0	0	109	0	133	83	106	0	149	66	100	0	150	79	103	0	140	77	0	0	0	0	0	0
1000	59	0	59	0	83	0	89	0	0	0	0	0	83	0	115	46	81	0	127	33	75	0	122	49	75	0	110	53	0	0	0	0	0	0
1100	50	0	49	0	60	0	73	0	0	0	0	0	78	0	114	45	77	0	126	33	69	0	104	40	70	0	101	32	0	0	0	0	0	0
1200	49	0	46	0	66	0	67	0	0	0	0	0	90	0	125	60	88	0	135	47	82	0	106	55	84	0	107	66	0	0	0	0	0	0
1300	25	0	24	0	33	0	39	0	0	0	0	0	67	0	112	13	63	3	124	0	57	0	84	24	57	0	103	28	0	0	0	0	0	0
1400	45	0	44	0	58	0	60	0	0	0	0	0	96	0	121	69	94	0	138	70	84	0	103	72	86	0	105	69	0	0	0	0	0	0
1500	57	0	54	0	61	0	65	0	0	0	0	0	123	0	146	91	123	0	150	85	117	0	140	85	121	0	136	77	0	0	0	0	0	0
1600	18	0	17	0	22	0	27	0	0	0	0	0	82	3	124	34	81	3	140	37	75	0	104	41	76	3	126	44	0	0	0	0	0	0
1700	38	0	38	0	50	0	52	0	0	0	0	0	39	0	117	3	32	0	103	350	26	0	70	344	23	0	61	334	0	0	0	0	0	0
1800	87	0	82	0	114	0	113	0	0	0	0	0	31	0	58	14	24	0	61	352	27	0	44	10	24	0	51	6	0	0	0	0	0	0
1900	49	0	48	0	64	0	67	0	0	0	0	0	39	0	75	19	34	0	71	11	38	0	55	16	34	0	63	10	0	0	0	0	0	0
2000	55	0	50	0	62	0	63	0	0	0	0	0	24	0	53	7	18	0	38	3	21	0	31	13	18	0	27	9	0	0	0	0	0	0
2100	41	0	41	0	63	0	71	0	0	0	0	0	52	0	61	38	48	0	58	37	47	0	56	41	45	0	55	36	0	0	0	0	0	0
2200	58	0	53	0	85	0	85	0	0	0	0	0	37	0	55	21	31	0	58	11	36	0	41	30	31	0	34	28	0	0	0	0	0	0
2300	59	0	53	0	81	0	81	0	0	0	0	0	36	0	49	25	30	0	56	13	28	0	39	24	24	0	31	20	0	0	0	0	0	0
2400	55	0	49	0	82	0	80	0	0	0	0	0	39	0	70	29	35	0	63	22	28	0	41	23	25	0	31	20	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	622	0	615	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
200	612	0	604	0	315	2	315	2	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
300	615	0	608	0	315	2	315	2	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
400	590	0	585	0	315	2	315	2	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
500	588	0	581	0	315	2	315	2	320	0	320	0	56	0	56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
600	586	0	581	0	315	2	315	2	320	0	320	0	67	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
700	599	0	594	0	315	2	315	2	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
800	621	0	617	0	315	2	315	2	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
900	658	0	655	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1000	655	0	649	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1100	666	0	660	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1200	639	0	631	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1300	649	0	644	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1400	621	0	615	0	315	2	315	2	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1500	621	0	615	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1600	613	0	608	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1700	640	0	637	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1800	633	0	630	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
1900	644	0	640	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2000	621	0	613	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2100	601	0	594	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2200	621	0	615	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2300	617	0	610	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2
2400	617	0	610	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE, 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	36	0	31	0	43	0	50	0	0	0	0	0	96	0	106	90	95	0	106	82	58	0	67	51	58	0	68	51	0	0	0	0	0	0
200	29	0	27	0	42	0	42	0	0	0	0	0	76	3	84	64	76	3	83	59	23	0	35	18	20	0	31	11	0	0	0	0	0	0
300	32	0	26	0	79	2	79	2	0	0	0	0	187	0	204	164	184	0	214	159	199	0	257	108	198	0	232	129	0	0	0	0	0	0
400	41	0	38	0	41	0	45	0	0	0	0	0	251	0	297	231	247	0	284	224	268	0	300	252	266	0	294	252	0	0	0	0	0	0
500	51	0	45	0	62	0	61	0	0	0	0	0	25	0	36	15	17	0	39	2	15	0	22	7	11	0	20	3	0	0	0	0	0	0
600	45	0	39	0	64	0	63	0	0	0	0	0	34	0	42	25	30	0	48	3	23	0	35	11	21	0	34	11	0	0	0	0	0	0
700	36	0	34	0	43	0	47	0	0	0	0	0	101	0	111	91	100	0	117	82	78	0	94	68	77	0	92	65	0	0	0	0	0	0
800	23	0	19	0	15	0	19	0	0	0	0	0	88	3	137	43	83	3	138	38	63	3	104	22	67	3	122	21	0	0	0	0	0	0
900	44	0	43	0	54	0	55	0	0	0	0	0	43	0	95	324	42	0	120	2	25	0	75	309	23	0	75	319	0	0	0	0	0	0
1000	69	0	62	0	84	0	84	0	0	0	0	0	4	0	39	304	354	0	117	295	0	0	25	323	355	0	11	317	0	0	0	0	0	0
1100	47	0	42	0	55	0	56	0	0	0	0	0	348	0	72	286	338	0	48	282	349	0	40	275	346	0	40	289	0	0	0	0	0	0
1200	58	0	51	0	71	0	69	0	0	0	0	0	7	0	168	297	359	0	158	291	1	0	90	287	357	0	138	305	0	0	0	0	0	0
1300	65	0	59	0	96	0	94	0	0	0	0	0	353	0	71	283	347	0	93	275	357	0	59	312	353	0	48	315	0	0	0	0	0	0
1400	85	0	80	0	112	0	113	0	0	0	0	0	341	0	24	291	334	0	47	271	350	0	34	309	344	0	19	309	0	0	0	0	0	0
1500	89	0	83	0	110	0	107	0	0	0	0	0	346	0	40	296	338	0	29	281	350	0	24	306	346	0	55	287	0	0	0	0	0	0
1600	70	0	71	0	114	0	109	0	0	0	0	0	346	0	125	277	340	0	44	273	353	0	63	315	347	0	39	296	0	0	0	0	0	0
1700	54	0	50	0	92	0	93	0	0	0	0	0	0	0	88	287	355	0	83	274	5	0	72	319	0	0	59	309	0	0	0	0	0	0
1800	74	0	69	0	109	0	108	0	0	0	0	0	30	0	86	332	25	0	101	340	12	0	52	335	6	0	31	321	0	0	0	0	0	0
1900	74	0	71	0	95	0	95	0	0	0	0	0	34	0	66	15	27	0	61	352	25	0	55	359	19	0	42	353	0	0	0	0	0	0
2000	69	0	65	0	97	0	97	0	0	0	0	0	38	0	73	20	34	0	83	3	29	0	44	13	25	0	38	10	0	0	0	0	0	0
2100	60	0	64	0	93	0	94	0	0	0	0	0	44	0	73	23	39	0	70	4	38	0	65	12	32	0	55	9	0	0	0	0	0	0
2200	34	0	42	0	62	0	71	0	0	0	0	0	75	0	91	46	72	0	103	38	54	0	64	47	52	0	64	44	0	0	0	0	0	0
2300	49	0	52	0	72	0	80	0	0	0	0	0	92	0	115	70	90	0	114	72	68	0	84	50	67	0	83	47	0	0	0	0	0	0
2400	77	0	77	0	120	0	121	0	0	0	0	0	123	0	130	118	125	0	141	106	117	0	130	107	118	0	128	109	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC .2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	594	0	586	0	315	2	315	2	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	594	0	585	0	315	2	315	2	320	0	320	0	38	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	603	0	595	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	619	0	612	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	628	0	621	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	631	0	626	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	621	0	617	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	678	0	675	0	315	2	315	2	320	0	320	0	-31	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	689	0	687	0	315	2	315	2	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	678	0	673	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	698	0	693	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	700	0	694	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	712	0	711	0	315	2	315	2	320	0	320	0	-50	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	703	0	698	0	315	2	315	2	320	0	320	0	-50	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	700	0	694	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	712	0	711	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	716	0	712	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	689	0	684	0	315	2	315	2	320	0	320	0	-27	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	662	0	657	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	646	0	639	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	635	0	628	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	622	0	615	0	13	2	81	2	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	622	0	615	0	6	2	72	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	612	0	604	0	8	2	76	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	B S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6
100	59	0	58	0	104	0	108	0	0	0	0	0	121	0	127	108	122	0	141	96	123	0	130	113	125	0	131	112	0	0	0	0	0	0
200	67	0	70	0	123	0	123	0	0	0	0	0	102	0	120	82	102	0	127	74	99	0	110	88	99	0	109	88	0	0	0	0	0	0
300	61	0	63	0	111	0	110	0	0	0	0	0	110	0	124	99	110	0	125	91	98	0	102	95	99	0	102	96	0	0	0	0	0	0
400	64	0	66	0	126	0	125	0	0	0	0	0	112	0	120	103	114	0	130	94	99	0	103	92	100	0	103	92	0	0	0	0	0	0
500	72	0	73	0	132	0	130	0	0	0	0	0	94	0	106	82	94	0	118	83	97	0	101	93	98	0	102	89	0	0	0	0	0	0
600	73	0	74	0	147	0	147	0	0	0	0	0	111	0	123	98	112	0	130	94	105	0	109	101	105	0	110	102	0	0	0	0	0	0
700	80	0	81	0	146	0	146	0	0	0	0	0	107	0	125	89	107	0	141	69	102	0	111	94	102	0	112	91	0	0	0	0	0	0
800	104	0	100	0	136	0	134	0	0	0	0	0	112	0	133	86	110	0	140	72	106	0	126	87	108	0	126	83	0	0	0	0	0	0
900	104	0	103	0	126	0	126	0	0	0	0	0	117	0	142	90	118	0	148	59	112	0	139	84	113	0	134	77	0	0	0	0	0	0
1000	86	0	87	0	107	0	108	0	0	0	0	0	109	0	141	56	109	0	162	49	104	0	156	60	104	0	136	65	0	0	0	0	0	0
1100	74	0	79	0	86	0	94	0	0	0	0	0	76	0	112	2	74	0	150	2	71	0	113	18	69	0	109	6	0	0	0	0	0	0
1200	65	0	67	0	79	0	85	0	0	0	0	0	81	0	136	0	82	0	179	14	72	0	109	3	71	0	102	1	0	0	0	0	0	0
1300	58	0	60	0	106	0	101	0	0	0	0	0	12	0	123	272	6	0	161	286	4	0	63	312	0	0	72	315	0	0	0	0	0	0
1400	59	0	60	0	113	0	113	0	0	0	0	0	11	0	121	279	6	0	139	282	0	0	38	301	353	0	42	302	0	0	0	0	0	0
1500	75	0	79	0	119	0	120	0	0	0	0	0	25	0	88	323	23	0	103	317	8	0	53	307	5	0	49	319	0	0	0	0	0	0
1600	107	0	111	0	146	0	143	0	0	0	0	0	28	0	68	6	24	0	83	332	17	0	41	342	13	0	51	342	0	0	0	0	0	0
1700	99	0	106	0	156	0	153	0	0	0	0	0	28	0	63	331	22	0	90	306	15	0	43	341	12	0	38	347	0	0	0	0	0	0
1800	118	0	123	0	157	0	152	0	0	0	0	0	34	0	65	12	31	0	79	339	26	0	44	345	22	0	44	336	0	0	0	0	0	0
1900	107	0	107	0	145	0	143	0	0	0	0	0	37	0	65	4	30	0	73	3	32	0	66	5	28	0	63	9	0	0	0	0	0	0
2000	91	0	95	0	129	0	125	0	0	0	0	0	42	0	85	15	36	0	96	1	34	0	62	8	28	0	57	2	0	0	0	0	0	0
2100	87	0	92	0	136	0	134	0	0	0	0	0	41	0	66	11	36	0	74	3	35	0	54	8	31	0	56	1	0	0	0	0	0	0
2200	87	0	91	0	137	0	134	0	0	0	0	0	40	0	76	23	35	0	106	4	35	0	53	21	30	0	46	11	0	0	0	0	0	0
2300	85	0	95	0	137	0	138	0	0	0	0	0	51	0	67	32	43	0	80	12	41	0	57	22	38	0	58	23	0	0	0	0	0	0
2400	56	0	69	0	102	0	120	0	0	0	0	0	63	0	83	48	61	0	95	38	52	0	61	43	51	0	64	36	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	606	0	599	0	8	2	76	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	592	0	585	0	6	2	76	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	579	0	572	0	0	2	69	2	320	0	320	0	20	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	574	0	567	0	-11	2	58	2	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	572	0	565	0	-15	2	53	2	320	0	320	0	25	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	368	0	561	0	-69	2	2	2	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	590	0	583	0	-78	2	-8	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	624	0	619	0	-72	2	-2	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	660	0	657	0	-67	2	0	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	693	0	687	0	-81	2	-11	2	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	730	0	729	0	-87	2	-17	2	320	0	320	0	-41	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	745	0	741	0	-80	2	-9	2	320	0	320	0	-41	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	723	0	721	0	-89	2	-18	2	320	0	320	0	-49	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	734	0	732	0	-80	2	-9	2	320	0	320	0	-52	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	727	0	723	0	-103	2	-33	2	320	0	320	0	-41	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	712	0	707	0	-98	2	-27	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	705	0	702	0	-85	2	-17	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	696	0	691	0	-69	2	0	2	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	682	0	676	0	-67	2	0	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	658	0	653	0	-62	2	6	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	651	0	644	0	-2	2	63	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	651	0	644	0	2	2	69	2	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	649	0	642	0	4	2	72	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	624	0	619	0	-20	2	45	2	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN	MAX	WIND DIR4		MIN	MAX	WIND DIR5		MIN	MAX	WIND DIR6	
													50 B	S			150A	S			150B	S			S				S					
100	75	0	77	0	118	0	133	0	0	0	0	0	89	0	106	73	88	0	114	69	73	0	80	63	72	0	80	65	0	0	0	0	0	0
200	76	0	79	0	146	0	142	0	0	0	0	0	97	0	109	84	95	0	118	73	87	0	91	82	87	0	91	80	0	0	0	0	0	0
300	72	0	74	0	154	0	149	0	0	0	0	0	98	0	112	88	97	0	125	72	87	0	91	85	87	0	90	85	0	0	0	0	0	0
400	69	0	71	0	131	0	128	0	0	0	0	0	103	0	115	92	104	0	118	93	88	0	91	85	88	0	92	83	0	0	0	0	0	0
500	75	0	79	0	134	0	133	0	0	0	0	0	100	0	114	89	100	0	118	90	94	0	101	91	95	0	102	92	0	0	0	0	0	0
600	76	0	74	0	121	0	123	0	0	0	0	0	116	0	122	108	118	0	139	96	123	0	129	116	125	0	131	119	0	0	0	0	0	0
700	51	0	46	0	112	0	115	0	0	0	0	0	116	0	126	104	116	0	139	93	142	0	145	140	145	0	147	143	0	0	0	0	0	0
800	32	0	32	0	47	0	47	0	0	0	0	0	110	0	156	70	111	0	160	37	140	0	163	109	143	0	166	115	0	0	0	0	0	0
900	17	0	22	0	24	0	26	0	0	0	0	0	286	3	355	191	287	3	356	192	164	0	269	90	173	0	269	93	0	0	0	0	0	0
1000	30	0	36	0	30	0	32	0	0	0	0	0	305	0	351	258	304	0	340	250	304	0	8	272	298	0	348	256	0	0	0	0	0	0
1100	43	0	44	0	76	0	77	0	0	0	0	0	338	0	40	277	331	0	141	281	342	0	353	315	334	0	345	317	0	0	0	0	0	0
1200	66	0	66	0	87	0	86	0	0	0	0	0	354	0	49	310	341	0	39	282	343	0	8	325	336	0	4	326	0	0	0	0	0	0
1300	87	0	86	0	97	0	93	0	0	0	0	0	347	0	33	312	338	0	26	293	355	0	30	334	351	0	41	314	0	0	0	0	0	0
1400	70	0	73	0	112	0	107	0	0	0	0	0	1	0	63	284	352	0	73	270	0	0	40	308	356	0	43	322	0	0	0	0	0	0
1500	79	0	83	0	104	0	104	0	0	0	0	0	28	0	92	339	24	0	81	336	8	0	41	311	2	0	44	311	0	0	0	0	0	0
1600	93	0	93	0	119	0	119	0	0	0	0	0	27	0	69	309	17	0	76	319	15	0	46	335	7	0	53	316	0	0	0	0	0	0
1700	85	0	87	0	107	0	104	0	0	0	0	0	27	0	75	355	18	0	94	336	15	0	60	328	11	0	48	334	0	0	0	0	0	0
1800	71	0	79	0	105	0	104	0	0	0	0	0	39	0	74	4	31	0	82	357	24	0	58	343	18	0	45	349	0	0	0	0	0	0
1900	67	0	70	0	93	0	93	0	0	0	0	0	44	0	88	18	42	0	81	355	38	0	59	16	34	0	67	7	0	0	0	0	0	0
2000	55	0	70	0	96	0	108	0	0	0	0	0	63	0	74	52	59	0	80	34	50	0	59	46	48	0	59	42	0	0	0	0	0	0
2100	64	0	78	0	92	0	116	0	0	0	0	0	65	0	70	61	61	0	71	50	50	0	53	47	49	0	52	45	0	0	0	0	0	0
2200	58	0	59	0	75	0	86	0	0	0	0	0	84	0	106	68	83	0	114	50	64	0	81	50	62	0	79	48	0	0	0	0	0	0
2300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2400	53	0	54	0	105	0	101	0	0	0	0	0	105	0	118	89	103	0	117	81	82	0	89	78	82	0	87	70	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	613	0	604	0	49	2	123	2	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	597	0	590	0	36	2	112	2	320	0	320	0	29	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	586	0	579	0	36	2	112	2	320	0	320	0	81	0	85	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	585	0	577	0	35	2	110	2	320	0	320	0	59	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	572	0	565	0	24	2	99	2	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	567	0	559	0	-49	2	31	2	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	588	0	583	0	-44	2	35	2	320	0	320	0	40	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	657	0	651	0	-56	2	24	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	685	0	680	0	-24	2	54	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	691	0	685	0	-15	2	60	2	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	709	0	705	0	-31	2	45	2	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	716	0	712	0	-20	2	56	2	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	723	0	718	0	-17	2	58	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	732	0	729	0	-29	2	45	2	320	0	320	0	-43	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	745	0	743	0	-27	2	47	2	320	0	320	0	-38	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	725	0	720	0	-42	2	35	2	320	0	320	0	-27	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	723	0	718	0	-33	2	44	2	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	712	0	709	0	-26	2	51	2	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	694	0	689	0	-17	2	58	2	320	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	637	0	631	0	-58	2	33	2	320	0	320	0	45	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	621	0	619	0	-63	2	29	2	320	0	320	0	58	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	633	0	624	0	-78	2	17	2	320	0	320	0	32	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	628	0	621	0	-80	2	13	2	320	0	320	0	31	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	61	0	61	0	104	0	105	0	0	0	0	0	122	0	131	113	124	0	137	116	98	0	103	89	99	0	105	92	0	0	0	0	0	0
200	78	0	77	0	138	0	137	0	0	0	0	0	121	0	130	115	123	0	138	115	100	0	106	96	100	0	106	97	0	0	0	0	0	0
300	83	0	80	0	153	0	155	0	0	0	0	0	121	0	125	117	123	0	137	108	104	0	109	102	105	0	109	102	0	0	0	0	0	0
400	87	0	86	0	144	0	145	0	0	0	0	0	122	0	127	117	125	0	137	117	103	0	106	102	104	0	108	102	0	0	0	0	0	0
500	80	0	84	0	137	0	137	0	0	0	0	0	136	0	145	122	139	0	155	118	115	0	146	109	116	0	135	111	0	0	0	0	0	0
600	80	0	87	0	109	0	118	0	0	0	0	0	136	0	144	122	138	0	160	116	129	0	132	128	132	0	133	129	0	0	0	0	0	0
700	66	0	70	0	101	0	103	0	0	0	0	0	124	0	134	115	126	0	140	115	131	0	160	126	134	0	151	129	0	0	0	0	0	0
800	51	0	56	0	74	0	77	0	0	0	0	0	121	0	143	88	120	0	151	70	145	0	163	126	147	0	169	131	0	0	0	0	0	0
900	27	0	30	0	38	0	39	0	0	0	0	0	100	0	166	37	108	3	159	45	142	0	184	101	147	0	184	116	0	0	0	0	0	0
1000	37	0	40	0	35	0	37	0	0	0	0	0	291	0	333	252	284	0	320	241	266	0	341	217	259	0	338	191	0	0	0	0	0	0
1100	46	0	49	0	59	0	61	0	0	0	0	0	321	0	13	272	316	0	358	254	328	0	350	304	321	0	339	300	0	0	0	0	0	0
1200	65	0	66	0	86	0	86	0	0	0	0	0	344	0	36	294	338	0	20	278	334	0	5	273	328	0	3	300	0	0	0	0	0	0
1300	64	0	65	0	97	0	97	0	0	0	0	0	357	0	150	292	346	0	82	274	333	0	28	299	347	0	12	311	0	0	0	0	0	0
1400	65	0	70	0	87	0	87	0	0	0	0	0	353	0	33	284	341	0	31	276	355	0	27	323	350	0	22	317	0	0	0	0	0	0
1500	72	0	74	0	96	0	93	0	0	0	0	0	350	0	27	299	338	0	28	272	353	0	21	293	345	0	34	272	0	0	0	0	0	0
1600	47	0	47	0	78	0	75	0	0	0	0	0	359	0	64	276	351	0	54	283	2	0	58	314	355	0	84	293	0	0	0	0	0	0
1700	40	0	44	0	74	0	72	0	0	0	0	0	17	0	76	292	7	0	95	283	1	0	53	300	355	0	57	300	0	0	0	0	0	0
1800	64	0	66	0	90	0	87	0	0	0	0	0	27	0	61	2	21	0	83	328	14	0	40	342	10	0	38	338	0	0	0	0	0	0
1900	32	0	37	0	50	0	50	0	0	0	0	0	48	0	93	14	42	0	86	4	37	0	73	15	33	0	72	8	0	0	0	0	0	0
2000	43	0	44	0	70	0	69	0	0	0	0	0	34	0	45	24	31	0	40	17	20	0	29	15	16	0	24	11	0	0	0	0	0	0
2100	49	0	55	0	81	0	81	0	0	0	0	0	55	0	80	31	52	0	80	26	41	0	51	25	37	0	47	22	0	0	0	0	0	0
2200	63	0	63	0	86	0	94	0	0	0	0	0	84	0	99	76	84	0	103	72	73	0	81	59	72	0	81	61	0	0	0	0	0	0
2300	72	0	72	0	95	0	94	0	0	0	0	0	122	0	134	116	125	0	138	116	100	0	106	94	100	0	108	95	0	0	0	0	0	0
2400	67	0	67	0	98	0	98	0	0	0	0	0	120	0	126	117	124	0	130	114	106	0	116	101	106	0	116	102	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	622	0	617	0	-96	2	-6	2	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	626	0	619	0	-87	2	4	2	320	0	320	0	58	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	612	0	606	0	-90	2	0	2	320	0	320	0	63	0	65	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	601	0	595	0	-90	2	0	2	320	0	320	0	79	0	81	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	595	0	590	0	-98	2	-6	2	320	0	320	0	65	0	67	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	608	0	601	0	-161	2	-67	2	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	613	0	608	0	-177	2	-89	2	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	664	0	660	0	-161	2	-72	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	748	0	745	0	-144	2	-58	2	320	0	320	0	-32	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	721	0	718	0	-148	2	-63	2	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	718	0	712	0	-137	2	-54	2	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	730	0	727	0	-143	2	-62	2	320	0	320	0	-36	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	721	0	718	0	-148	2	-69	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	756	0	756	0	-143	2	-65	2	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	747	0	743	0	-150	2	-71	2	320	0	320	0	-38	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	756	0	752	0	-144	2	-65	2	320	0	320	0	-40	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	768	0	765	0	-117	2	-35	2	320	0	320	0	-49	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	743	0	738	0	-134	2	-47	2	320	0	320	0	-22	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	736	0	730	0	-157	2	-69	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	702	0	694	0	-146	2	-56	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	680	0	673	0	-60	2	24	2	320	0	320	0	34	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	658	0	649	0	-72	2	15	2	320	0	320	0	47	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	660	0	653	0	-76	2	11	2	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	658	0	651	0	-80	2	4	2	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS C[redacted](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[redacted] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPURTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[redacted]

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6
100	68	0	71	0	100	0	101	0	0	0	0	0	139	0	150	131	140	0	151	130	143	0	152	137	145	0	154	139	0	0	0	0	0	0
200	65	0	67	0	100	0	103	0	0	0	0	0	146	0	163	133	146	0	173	127	157	0	163	153	158	0	164	154	0	0	0	0	0	0
300	67	0	66	0	85	0	65	0	0	0	0	0	148	0	152	144	147	0	151	138	177	0	179	174	177	0	180	174	0	0	0	0	0	0
400	70	0	68	0	102	0	96	0	0	0	0	0	138	0	143	131	138	0	147	127	168	0	173	164	168	0	173	164	0	0	0	0	0	0
500	67	0	69	0	148	0	122	0	0	0	0	0	148	0	164	122	146	0	186	113	172	0	208	168	172	0	199	169	0	0	0	0	0	0
600	66	0	68	0	151	0	133	0	0	0	0	0	139	0	160	119	139	0	172	106	174	0	210	163	175	0	200	165	0	0	0	0	0	0
700	52	0	50	0	165	0	142	0	0	0	0	0	139	0	189	104	133	0	172	0	173	0	177	167	168	0	176	0	0	0	0	0	0	0
800	37	0	41	0	95	0	89	0	0	0	0	0	136	0	212	93	138	0	198	90	171	0	215	138	171	0	201	145	0	0	0	0	0	0
900	67	2	33	0	148	2	57	0	0	0	0	0	59	0	176	0	123	0	178	43	79	0	177	0	169	0	214	91	0	0	0	0	0	0
1000	54	0	55	0	68	0	64	0	0	0	0	0	243	0	320	183	241	0	326	185	222	0	269	164	220	0	260	178	0	0	0	0	0	0
1100	56	0	57	0	73	0	75	0	0	0	0	0	266	0	324	234	263	0	331	206	263	0	288	224	259	0	283	229	0	0	0	0	0	0
1200	66	0	67	0	81	0	84	0	0	0	0	0	296	0	337	265	288	0	329	247	280	0	298	267	277	0	289	263	0	0	0	0	0	0
1300	73	0	74	0	93	0	96	0	0	0	0	0	304	0	342	267	296	0	331	237	298	0	323	291	291	0	312	288	0	0	0	0	0	0
1400	72	0	74	0	78	0	86	0	0	0	0	0	298	0	332	235	291	0	333	225	284	0	316	241	280	0	299	243	0	0	0	0	0	0
1500	57	0	58	0	68	0	70	0	0	0	0	0	297	0	326	260	290	0	345	245	301	0	321	286	293	0	305	279	0	0	0	0	0	0
1600	50	0	53	0	72	0	74	0	0	0	0	0	310	0	357	244	302	0	353	221	318	0	346	288	310	0	331	274	0	0	0	0	0	0
1700	48	0	49	0	68	0	68	0	0	0	0	0	317	0	5	275	304	0	355	228	325	0	354	308	317	0	343	292	0	0	0	0	0	0
1800	28	0	31	0	33	0	34	0	0	0	0	0	249	0	306	181	246	0	306	190	258	0	317	217	255	0	299	212	0	0	0	0	0	0
1900	32	0	31	0	66	0	58	0	0	0	0	0	229	0	292	188	220	0	266	148	211	0	231	184	210	0	229	190	0	0	0	0	0	0
2000	54	0	49	0	102	0	97	0	0	0	0	0	223	0	253	182	222	0	266	155	219	0	241	205	218	0	232	203	0	0	0	0	0	0
2100	38	0	33	0	103	0	92	0	0	0	0	0	206	0	259	145	201	0	241	138	207	0	218	200	207	0	221	198	0	0	0	0	0	0
2200	48	0	40	0	118	0	103	0	0	0	0	0	209	0	245	158	206	0	263	147	210	0	221	200	210	0	223	190	0	0	0	0	0	0
2300	66	0	56	0	118	0	114	0	0	0	0	0	220	0	242	184	217	0	252	151	221	0	238	206	220	0	235	206	0	0	0	0	0	0
2400	49	0	42	0	100	0	100	0	0	0	0	0	219	0	250	189	216	0	252	183	221	0	234	202	222	0	232	205	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	626	0	621	0	-85	2	0	2	320	0	320	0	74	0	76	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	613	0	608	0	-85	2	2	2	320	0	320	0	83	0	85	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	608	0	603	0	-96	2	-9	2	320	0	320	0	95	0	95	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	594	0	586	0	-92	2	-6	2	320	0	320	0	97	0	97	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	581	0	576	0	-98	2	-11	2	320	0	320	0	108	0	110	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	577	0	574	0	-168	2	-74	2	320	0	320	0	119	0	121	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	613	0	608	0	-164	2	-87	2	320	0	320	0	74	0	74	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	696	0	693	0	-170	2	-153	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	21	2
900	739	2	741	0	-162	2	-150	2	320	0	320	0	-27	2	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	779	0	774	0	-182	2	-162	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	775	0	772	0	-180	2	-162	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	783	0	779	0	-206	2	-188	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	795	0	792	0	-197	2	-179	2	320	0	320	0	-56	0	-56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	801	0	797	0	-195	2	-177	2	320	0	320	0	-40	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	811	0	808	0	-207	2	-191	2	320	0	320	0	-50	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	819	0	815	0	-202	2	-184	2	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	819	0	815	0	-180	2	-164	2	320	0	320	0	-50	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	815	0	811	0	-188	2	-170	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	797	0	792	0	-195	2	-177	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	768	0	763	0	-162	2	-144	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	747	0	739	0	-85	2	-71	2	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	729	0	723	0	-76	2	-62	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	727	0	720	0	-101	2	-85	2	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	718	0	711	0	-117	2	-98	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	70	0	59	0	121	0	125	0	0	0	0	0	221	0	240	198	219	0	258	179	225	0	239	207	225	0	236	212	0	0	0	0	0	0
200	74	0	66	0	138	0	143	0	0	0	0	0	224	0	245	194	220	0	253	172	225	0	243	212	226	0	237	212	0	0	0	0	0	0
300	60	0	60	0	100	0	106	0	0	0	0	0	234	0	261	210	232	0	263	204	235	0	250	214	233	0	251	215	0	0	0	0	0	0
400	64	0	62	0	106	0	113	0	0	0	0	0	233	0	260	209	231	0	271	192	235	0	246	217	233	0	246	223	0	0	0	0	0	0
500	46	0	42	0	91	0	94	0	0	0	0	0	223	0	250	178	220	0	263	172	235	0	257	214	233	0	250	208	0	0	0	0	0	0
600	47	0	42	0	100	0	105	0	0	0	0	0	203	0	250	93	201	0	252	137	228	0	244	213	227	0	246	211	0	0	0	0	0	0
700	50	0	50	0	94	0	98	0	0	0	0	0	231	0	264	167	227	0	263	169	243	0	276	224	240	0	264	223	0	0	0	0	0	0
800	31	0	28	0	45	0	39	0	0	0	0	0	213	0	268	122	213	3	261	95	189	0	246	97	194	0	249	93	0	0	0	0	0	0
900	56	0	58	0	77	0	79	0	0	0	0	0	246	0	301	190	247	0	350	201	237	0	276	212	235	0	261	205	0	0	0	0	0	0
1000	70	0	72	0	78	0	80	0	0	0	0	0	256	0	297	202	252	0	303	204	242	0	267	155	239	0	264	155	0	0	0	0	0	0
1100	47	0	48	0	60	0	61	0	0	0	0	0	266	0	313	196	262	0	318	206	268	0	313	239	266	0	316	234	0	0	0	0	0	0
1200	42	0	0	2	59	0	0	2	0	2	0	2	309	0	278	344	0	2	0	0	278	0	258	304	0	2	0	0	0	2	0	0	0	2
1300	42	0	0	2	65	0	0	2	0	2	0	2	298	0	277	317	0	2	0	0	270	0	252	290	0	2	0	0	0	2	0	0	0	2
1400	46	0	0	2	71	0	0	2	0	2	0	2	320	0	281	347	0	2	0	0	313	0	294	334	0	2	0	0	0	2	0	0	0	2
1500	32	0	0	2	52	0	0	2	0	2	0	2	320	0	277	1	0	2	0	0	321	0	287	334	0	2	0	0	0	2	0	0	0	2
1600	34	0	0	2	61	0	0	2	0	2	0	2	309	0	272	335	0	2	0	0	304	0	285	320	0	2	0	0	0	2	0	0	0	2
1700	27	0	0	2	27	0	0	2	0	2	0	2	303	0	266	336	0	2	0	0	316	0	298	342	0	2	0	0	0	2	0	0	0	2
1800	25	0	0	2	36	0	0	2	0	2	0	2	323	0	278	358	0	2	0	0	280	0	251	303	0	2	0	0	0	2	0	0	0	2
1900	17	0	0	2	42	0	0	2	0	2	0	2	330	0	297	9	0	2	0	0	320	0	298	335	0	2	0	0	0	2	0	0	0	2
2000	25	0	0	2	25	0	0	2	0	2	0	2	92	0	81	108	0	2	0	0	66	0	46	84	0	2	0	0	0	2	0	0	0	2
2100	32	0	0	2	48	0	0	2	0	2	0	2	106	0	96	120	0	2	0	0	105	0	96	114	0	2	0	0	0	2	0	0	0	2
2200	46	0	0	2	100	0	0	2	0	2	0	2	119	0	113	126	0	2	0	0	102	5	96	110	0	2	0	0	0	2	0	0	0	2
2300	59	0	0	2	119	0	0	2	0	2	0	2	128	0	122	133	0	2	0	0	120	5	116	128	0	2	0	0	0	2	0	0	0	2
2400	34	0	0	2	107	0	0	2	0	2	0	2	140	0	117	154	0	2	0	0	144	5	132	151	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	711	0	705	0	-108	2	-89	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	702	0	696	0	-121	2	-101	2	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	705	0	700	0	-121	2	-101	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	698	0	693	0	-125	2	-105	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	696	0	691	0	-126	2	-107	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	689	0	684	0	-173	2	-153	2	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	691	0	687	0	-218	2	-211	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	743	0	738	0	-216	2	-204	2	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	739	0	736	0	-215	2	-204	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	750	0	747	0	-209	2	-191	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	752	0	748	0	-189	2	-170	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	775	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	771	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	809	0	0	2	0	2	0	2	0	2	0	2	-57	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	829	0	0	2	0	2	0	2	0	2	0	2	-50	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	829	0	0	2	0	2	0	2	0	2	0	2	-50	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	829	0	0	2	0	2	0	2	0	2	0	2	-44	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	815	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	809	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	751	0	0	2	0	2	0	2	0	2	0	2	30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	771	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	747	0	0	2	0	2	0	2	0	2	0	2	26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	738	0	0	2	0	2	0	2	0	2	0	2	19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	734	0	0	2	0	2	0	2	0	2	0	2	38	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS [illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	34	0	0	2	96	0	0	2	0	2	0	2	129	0	117	138	0	2	0	0	156	5	151	164	0	2	0	0	0	2	0	0	0	2
200	30	0	0	2	94	0	0	2	0	2	0	2	155	0	144	174	0	2	0	0	190	0	176	203	0	2	0	0	0	2	0	0	0	2
300	40	0	0	2	77	0	0	2	0	2	0	2	182	0	167	208	0	2	0	0	203	0	188	215	0	2	0	0	0	2	0	0	0	2
400	50	0	0	2	84	0	0	2	0	2	0	2	218	0	199	230	0	2	0	0	225	0	221	234	0	2	0	0	0	2	0	0	0	2
500	52	0	0	2	96	0	0	2	0	2	0	2	242	0	231	259	0	2	0	0	243	0	236	251	0	2	0	0	0	2	0	0	0	2
600	48	0	0	2	71	0	0	2	0	2	0	2	254	0	235	263	0	2	0	0	260	0	251	269	0	2	0	0	0	2	0	0	0	2
700	36	0	0	2	55	0	0	2	0	2	0	2	252	0	240	267	0	2	0	0	272	0	259	287	0	2	0	0	0	2	0	0	0	2
800	36	0	0	2	42	0	0	2	0	2	0	2	228	0	212	246	0	2	0	0	245	0	226	263	0	2	0	0	0	2	0	0	0	2
900	32	0	0	2	42	0	0	2	0	2	0	2	259	0	237	277	0	2	0	0	271	0	250	289	0	2	0	0	0	2	0	0	0	2
1000	27	0	27	0	36	0	31	0	0	0	0	0	302	0	271	330	287	3	346	237	300	0	268	315	297	0	332	268	0	0	0	0	0	0
1100	42	0	0	2	63	0	0	2	0	2	0	2	287	0	262	312	0	2	0	0	282	0	255	312	0	2	0	0	0	2	0	0	0	2
1200	34	0	0	2	57	0	0	2	0	2	0	2	300	0	284	324	0	2	0	0	299	0	281	316	0	2	0	0	0	2	0	0	0	2
1300	32	0	0	2	63	0	0	2	0	2	0	2	312	0	284	333	0	2	0	0	313	0	300	329	0	2	0	0	0	2	0	0	0	2
1400	59	0	0	2	80	0	0	2	0	2	0	2	344	0	315	5	0	2	0	0	331	0	309	356	0	2	0	0	0	2	0	0	0	2
1500	50	0	0	2	86	0	0	2	0	2	0	2	352	0	321	18	0	2	0	0	350	0	326	5	0	2	0	0	0	2	0	0	0	2
1600	30	0	0	2	32	0	0	2	0	2	0	2	38	0	12	50	0	2	0	0	8	0	329	34	0	2	0	0	0	2	0	0	0	2
1700	25	0	0	2	23	0	0	2	0	2	0	2	297	0	261	323	0	2	0	0	299	0	270	326	0	2	0	0	0	2	0	0	0	2
1800	19	0	0	2	23	0	0	2	0	2	0	2	273	0	226	330	0	2	0	0	333	0	296	0	0	2	0	0	0	2	0	0	0	2
1900	19	0	0	2	30	0	0	2	0	2	0	2	209	0	170	268	0	2	0	0	190	0	156	213	0	2	0	0	0	2	0	0	0	2
2000	21	0	0	2	36	0	0	2	0	2	0	2	200	0	172	227	0	2	0	0	190	0	176	201	0	2	0	0	0	2	0	0	0	2
2100	25	0	0	2	63	0	0	2	0	2	0	2	173	0	150	204	0	2	0	0	174	5	162	186	0	2	0	0	0	2	0	0	0	2
2200	34	0	0	2	52	0	0	2	0	2	0	2	194	0	165	217	0	2	0	0	188	5	181	197	0	2	0	0	0	2	0	0	0	2
2300	30	0	0	2	59	0	0	2	0	2	0	2	181	0	170	204	0	2	0	0	194	5	183	209	0	2	0	0	0	2	0	0	0	2
2400	38	0	0	2	69	0	0	2	0	2	0	2	217	0	195	225	0	2	0	0	207	5	196	219	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	724	0	0	2	0	2	0	2	0	2	0	2	32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	720	0	0	2	0	2	0	2	0	2	0	2	34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	730	0	0	2	0	2	0	2	0	2	0	2	27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	747	0	0	2	0	2	0	2	0	2	0	2	18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	758	0	0	2	0	2	0	2	0	2	0	2	18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	734	0	0	2	0	2	0	2	0	2	0	2	23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	764	0	0	2	0	2	0	2	0	2	0	2	12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	747	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	778	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	778	0	761	0	-189	2	-171	2	320	0	320	0	-17	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	809	0	0	2	0	2	0	2	0	2	0	2	-38	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	812	0	0	2	0	2	0	2	0	2	0	2	-57	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	829	0	0	2	0	2	0	2	0	2	0	2	-65	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	826	0	0	2	0	2	0	2	0	2	0	2	-43	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	812	0	0	2	0	2	0	2	0	2	0	2	-37	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	832	0	0	2	0	2	0	2	0	2	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	849	0	0	2	0	2	0	2	0	2	0	2	-38	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	853	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	815	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	775	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	751	0	0	2	0	2	0	2	0	2	0	2	15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	754	0	0	2	0	2	0	2	0	2	0	2	16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	744	0	0	2	0	2	0	2	0	2	0	2	24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	751	0	0	2	0	2	0	2	0	2	0	2	18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	30	0	0	2	69	0	0	2	0	2	0	2	227	0	213	243	0	2	0	0	231	5	225	241	0	2	0	0	0	2	0	0	0	2
200	38	0	0	2	69	0	0	2	0	2	0	2	239	0	222	254	0	2	0	0	233	5	226	245	0	2	0	0	0	2	0	0	0	2
300	17	0	0	2	69	0	0	2	0	2	0	2	254	0	243	271	0	2	0	0	252	5	245	264	0	2	0	0	0	2	0	0	0	2
400	23	0	0	2	25	0	0	2	0	2	0	2	188	0	162	215	0	2	0	0	235	0	207	252	0	2	0	0	0	2	0	0	0	2
500	23	0	0	2	32	0	0	2	0	2	0	2	199	0	186	217	0	2	0	0	242	0	226	255	0	2	0	0	0	2	0	0	0	2
600	34	0	0	2	57	0	0	2	0	2	0	2	219	0	197	234	0	2	0	0	239	0	224	246	0	2	0	0	0	2	0	0	0	2
700	19	0	0	2	19	0	0	2	0	2	0	2	141	0	125	155	0	2	0	0	221	0	185	243	0	2	0	0	0	2	0	0	0	2
800	30	0	0	2	30	0	0	2	0	2	0	2	153	0	138	169	0	2	0	0	242	0	224	258	0	2	0	0	0	2	0	0	0	2
900	23	0	0	2	17	0	0	2	0	2	0	2	86	0	47	100	0	2	0	0	89	0	43	125	0	2	0	0	0	2	0	0	0	2
1000	25	0	0	2	38	0	0	2	0	2	0	2	240	0	223	261	0	2	0	0	230	0	212	253	0	2	0	0	0	2	0	0	0	2
1100	48	0	0	2	69	0	0	2	0	2	0	2	249	0	231	259	0	2	0	0	254	0	239	268	0	2	0	0	0	2	0	0	0	2
1200	50	0	0	2	67	0	0	2	0	2	0	2	275	0	252	285	0	2	0	0	253	0	230	276	0	2	0	0	0	2	0	0	0	2
1300	50	0	0	2	67	0	0	2	0	2	0	2	272	0	257	291	0	2	0	0	266	0	250	288	0	2	0	0	0	2	0	0	0	2
1400	55	0	0	2	88	0	0	2	0	2	0	2	298	0	278	323	0	2	0	0	298	0	287	309	0	2	0	0	0	2	0	0	0	2
1500	34	0	0	2	55	0	0	2	0	2	0	2	335	0	297	1	0	2	0	0	350	0	320	5	0	2	0	0	0	2	0	0	0	2
1600	59	0	0	2	77	0	0	2	0	2	0	2	343	0	316	10	0	2	0	0	349	0	330	8	0	2	0	0	0	2	0	0	0	2
1700	44	0	0	2	57	0	0	2	0	2	0	2	353	0	317	24	0	2	0	0	2	0	329	28	0	2	0	0	0	2	0	0	0	2
1800	30	0	0	2	57	0	0	2	0	2	0	2	351	0	323	20	0	2	0	0	2	0	330	20	0	2	0	0	0	2	0	0	0	2
1900	5	0	0	2	21	0	0	2	0	2	0	2	285	0	239	330	0	2	0	0	330	0	297	347	0	2	0	0	0	2	0	0	0	2
2000	19	0	0	2	52	0	0	2	0	2	0	2	212	0	182	242	0	2	0	0	192	0	182	205	0	2	0	0	0	2	0	0	0	2
2100	11	0	0	2	38	0	0	2	0	2	0	2	263	0	237	289	0	2	0	0	241	0	226	268	0	2	0	0	0	2	0	0	0	2
2200	13	0	0	2	38	0	0	2	0	2	0	2	298	0	287	314	0	2	0	0	272	0	257	296	0	2	0	0	0	2	0	0	0	2
2300	21	0	0	2	5	0	0	2	0	2	0	2	19	0	352	41	0	2	0	0	344	0	333	359	0	2	0	0	0	2	0	0	0	2
2400	15	0	0	2	46	0	0	2	0	2	0	2	30	0	11	41	0	2	0	0	327	0	309	350	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	761	0	0	2	0	2	0	2	0	2	0	2	11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	751	0	0	2	0	2	0	2	0	2	0	2	7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	741	0	0	2	0	2	0	2	0	2	0	2	14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	720	0	0	2	0	2	0	2	0	2	0	2	26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	720	0	0	2	0	2	0	2	0	2	0	2	20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	713	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	693	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	693	0	0	2	0	2	0	2	0	2	0	2	7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	730	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	754	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	771	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	768	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	734	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	826	0	0	2	0	2	0	2	0	2	0	2	-69	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	839	0	0	2	0	2	0	2	0	2	0	2	-63	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	849	0	0	2	0	2	0	2	0	2	0	2	-49	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	819	0	0	2	0	2	0	2	0	2	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	839	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	826	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	778	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	761	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	737	0	0	2	0	2	0	2	0	2	0	2	6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	741	0	0	2	0	2	0	2	0	2	0	2	20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	724	0	0	2	0	2	0	2	0	2	0	2	18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	34	0	0	2	57	0	0	2	0	2	0	2	201	0	186	223	0	2	0	0	207	5	198	216	0	2	0	0	2	0	0	2
200	34	0	0	2	40	0	0	2	0	2	0	2	198	0	173	204	0	2	0	0	214	5	205	226	0	2	0	0	2	0	0	2
300	34	0	0	2	30	0	0	2	0	2	0	2	185	0	172	196	0	2	0	0	218	5	208	232	0	2	0	0	2	0	0	2
400	30	0	0	2	25	0	0	2	0	2	0	2	249	0	239	261	0	2	0	0	252	0	241	266	0	2	0	0	2	0	0	2
500	23	0	0	2	50	0	0	2	0	2	0	2	177	0	154	192	0	2	0	0	250	0	232	261	0	2	0	0	2	0	0	2
600	23	0	0	2	30	0	0	2	0	2	0	2	233	0	214	249	0	2	0	0	263	0	244	280	0	2	0	0	2	0	0	2
700	21	0	0	2	21	0	0	2	0	2	0	2	252	0	236	270	0	2	0	0	276	0	261	291	0	2	0	0	2	0	0	2
800	19	0	0	2	9	0	0	2	0	2	0	2	129	0	128	141	0	2	0	0	46	0	38	61	0	2	0	0	2	0	0	2
900	19	0	0	2	21	0	0	2	0	2	0	2	80	0	54	117	0	2	0	0	312	0	235	327	0	2	0	0	2	0	0	2
1000	9	0	0	2	27	0	0	2	0	2	0	2	273	0	248	304	0	2	0	0	23	0	312	68	0	2	0	0	2	0	0	2
1100	21	0	0	2	57	0	0	2	0	2	0	2	295	0	272	321	0	2	0	0	290	0	262	309	0	2	0	0	2	0	0	2
1200	32	0	0	2	48	0	0	2	0	2	0	2	312	0	276	329	0	2	0	0	317	0	296	347	0	2	0	0	2	0	0	2
1300	34	0	0	2	65	0	0	2	0	2	0	2	294	0	264	322	0	2	0	0	314	0	296	333	0	2	0	0	2	0	0	2
1400	32	0	0	2	61	0	0	2	0	2	0	2	304	0	268	320	0	2	0	0	329	0	300	351	0	2	0	0	2	0	0	2
1500	52	0	0	2	88	0	0	2	0	2	0	2	339	0	304	6	0	2	0	0	356	0	327	21	0	2	0	0	2	0	0	2
1600	50	0	0	2	73	0	0	2	0	2	0	2	124	0	109	144	0	2	0	0	135	0	111	155	0	2	0	0	2	0	0	2
1700	42	0	0	2	61	0	0	2	0	2	0	2	124	0	98	149	0	2	0	0	138	0	120	154	0	2	0	0	2	0	0	2
1800	36	0	0	2	59	0	0	2	0	2	0	2	128	0	92	137	0	2	0	0	134	0	100	168	0	2	0	0	2	0	0	2
1900	34	0	0	2	59	0	0	2	0	2	0	2	150	0	118	173	0	2	0	0	167	0	138	183	0	2	0	0	2	0	0	2
2000	34	0	0	2	119	0	0	2	0	2	0	2	169	0	118	194	0	2	0	0	161	0	138	180	0	2	0	0	2	0	0	2
2100	71	0	0	2	119	0	0	2	0	2	0	2	107	0	91	116	0	2	0	0	105	0	88	125	0	2	0	0	2	0	0	2
2200	40	0	0	2	82	0	0	2	0	2	0	2	132	0	117	146	0	2	0	0	150	0	138	164	0	2	0	0	2	0	0	2
2300	21	0	0	2	119	0	0	2	0	2	0	2	200	0	164	226	0	2	0	0	186	0	169	204	0	2	0	0	2	0	0	2
2400	27	0	0	2	98	0	0	2	0	2	0	2	152	0	127	173	0	2	0	0	172	0	155	181	0	2	0	0	2	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	720	0	0	2	0	2	0	2	0	2	0	2	24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	690	0	0	2	0	2	0	2	0	2	0	2	36	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	690	0	0	2	0	2	0	2	0	2	0	2	36	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	639	0	0	2	0	2	0	2	0	2	0	2	24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	696	0	0	2	0	2	0	2	0	2	0	2	29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	693	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	703	0	0	2	0	2	0	2	0	2	0	2	28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	717	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	775	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	805	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	785	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	809	0	0	2	0	2	0	2	0	2	0	2	-47	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	846	0	0	2	0	2	0	2	0	2	0	2	-70	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	829	0	0	2	0	2	0	2	0	2	0	2	-54	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	812	0	0	2	0	2	0	2	0	2	0	2	-31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	798	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	853	0	0	2	0	2	0	2	0	2	0	2	-32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	829	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	795	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	717	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	720	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	720	0	0	2	0	2	0	2	0	2	0	2	9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	703	0	0	2	0	2	0	2	0	2	0	2	30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	683	0	0	2	0	2	0	2	0	2	0	2	27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS-CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6	
100	48	0	0	2	90	0	0	2	0	2	0	2	194	0	153	215	0	2	0	0	182	0	153	204	0	2	0	0	0	2	0	0	0	2
200	44	0	0	2	90	0	0	2	0	2	0	2	127	0	107	147	0	2	0	0	152	0	135	167	0	2	0	0	0	2	0	0	0	2
300	42	0	0	2	113	0	0	2	0	2	0	2	149	0	124	176	0	2	0	0	179	0	162	194	0	2	0	0	0	2	0	0	0	2
400	55	0	0	2	100	0	0	2	0	2	0	2	212	0	181	241	0	2	0	0	218	0	204	227	0	2	0	0	0	2	0	0	0	2
500	42	0	0	2	92	0	0	2	0	2	0	2	171	0	143	197	0	2	0	0	213	0	197	222	0	2	0	0	0	2	0	0	0	2
600	46	0	0	2	90	0	0	2	0	2	0	2	217	0	201	235	0	2	0	0	232	5	223	243	0	2	0	0	0	2	0	0	0	2
700	46	0	0	2	55	0	0	2	0	2	0	2	205	0	178	224	0	2	0	0	216	0	201	235	0	2	0	0	0	2	0	0	0	2
800	36	0	0	2	63	0	0	2	0	2	0	2	185	0	158	210	0	2	0	0	207	0	180	227	0	2	0	0	0	2	0	0	0	2
900	17	0	0	2	63	0	0	2	0	2	0	2	222	0	195	244	0	2	0	0	249	0	213	270	0	2	0	0	0	2	0	0	0	2
1000	50	0	0	2	61	0	0	2	0	2	0	2	240	0	212	270	0	2	0	0	240	0	227	259	0	2	0	0	0	2	0	0	0	2
1100	38	0	0	2	57	0	0	2	0	2	0	2	255	0	230	272	0	2	0	0	242	0	216	270	0	2	0	0	0	2	0	0	0	2
1200	48	0	0	2	69	0	0	2	0	2	0	2	273	0	248	286	0	2	0	0	287	0	262	306	0	2	0	0	0	2	0	0	0	2
1300	38	0	0	2	55	0	0	2	0	2	0	2	288	0	259	314	0	2	0	0	288	0	277	314	0	2	0	0	0	2	0	0	0	2
1400	46	0	0	2	57	0	0	2	0	2	0	2	294	0	260	316	0	2	0	0	291	0	252	314	0	2	0	0	0	2	0	0	0	2
1500	34	0	0	2	65	0	0	2	0	2	0	2	289	0	262	321	0	2	0	0	280	0	236	325	0	2	0	0	0	2	0	0	0	2
1600	48	0	0	2	57	0	0	2	0	2	0	2	291	0	272	322	0	2	0	0	286	0	258	315	0	2	0	0	0	2	0	0	0	2
1700	40	0	0	2	63	0	0	2	0	2	0	2	261	0	239	279	0	2	0	0	273	0	252	295	0	2	0	0	0	2	0	0	0	2
1800	42	0	0	2	63	0	0	2	0	2	0	2	262	0	239	278	0	2	0	0	237	0	212	263	0	2	0	0	0	2	0	0	0	2
1900	48	0	0	2	77	0	0	2	0	2	0	2	244	0	224	254	0	2	0	0	236	0	207	246	0	2	0	0	0	2	0	0	0	2
2000	34	0	0	2	98	0	0	2	0	2	0	2	216	0	186	217	0	2	0	0	200	0	185	209	0	2	0	0	0	2	0	0	0	2
2100	25	0	0	2	119	0	0	2	0	2	0	2	195	0	168	225	0	2	0	0	198	0	183	206	0	2	0	0	0	2	0	0	0	2
2200	34	0	0	2	134	0	0	2	0	2	0	2	205	0	164	224	0	2	0	0	196	0	187	206	0	2	0	0	0	2	0	0	0	2
2300	40	0	0	2	132	0	0	2	0	2	0	2	197	0	171	223	0	2	0	0	196	0	186	206	0	2	0	0	0	2	0	0	0	2
2400	32	0	0	2	115	0	0	2	0	2	0	2	215	0	183	228	0	2	0	0	203	0	195	215	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	679	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	676	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	676	0	0	2	0	2	0	2	0	2	0	2	27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	679	0	0	2	0	2	0	2	0	2	0	2	27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	649	0	0	2	0	2	0	2	0	2	0	2	44	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	656	0	0	2	0	2	0	2	0	2	0	2	39	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	666	0	0	2	0	2	0	2	0	2	0	2	19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	730	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	761	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	775	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	809	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	815	0	0	2	0	2	0	2	0	2	0	2	-42	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	846	0	0	2	0	2	0	2	0	2	0	2	-65	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	832	0	0	2	0	2	0	2	0	2	0	2	-61	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	822	0	0	2	0	2	0	2	0	2	0	2	-42	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	829	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	822	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	819	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	812	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	781	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	761	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	741	0	0	2	0	2	0	2	0	2	0	2	15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	734	0	0	2	0	2	0	2	0	2	0	2	17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	720	0	0	2	0	2	0	2	0	2	0	2	19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	36	0	0	2	113	0	0	2	0	2	0	2	205	0	180	231	0	2	0	0	205	0	187	216	0	2	0	0	0	2	0	0	0	2
200	40	0	0	2	96	0	0	2	0	2	0	2	210	0	181	241	0	2	0	0	225	0	200	236	0	2	0	0	0	2	0	0	0	2
300	46	0	0	2	96	0	0	2	0	2	0	2	223	0	192	248	0	2	0	0	212	0	194	227	0	2	0	0	0	2	0	0	0	2
400	50	0	0	2	123	0	0	2	0	2	0	2	221	0	194	241	0	2	0	0	218	0	200	231	0	2	0	0	0	2	0	0	0	2
500	67	0	0	2	111	0	0	2	0	2	0	2	233	0	212	260	0	2	0	0	223	0	201	245	0	2	0	0	0	2	0	0	0	2
600	75	0	0	2	109	0	0	2	0	2	0	2	246	0	215	263	0	2	0	0	224	0	201	241	0	2	0	0	0	2	0	0	0	2
700	71	0	0	2	125	0	0	2	0	2	0	2	233	0	203	252	0	2	0	0	221	0	195	244	0	2	0	0	0	2	0	0	0	2
800	40	0	0	2	109	0	0	2	0	2	0	2	218	0	197	240	0	2	0	0	221	0	188	255	0	2	0	0	0	2	0	0	0	2
900	52	0	0	2	0	2	0	2	0	2	0	2	223	0	204	255	0	2	0	0	228	0	198	255	0	2	0	0	0	2	0	0	0	2
1000	79	0	76	0	125	0	118	0	0	0	0	0	235	0	272	190	233	0	289	195	224	0	252	189	222	0	250	190	0	0	0	0	0	0
1100	70	0	66	0	106	0	98	0	0	0	0	0	235	0	283	181	236	0	346	185	219	0	247	181	219	0	246	183	0	0	0	0	0	0
1200	0	2	0	2	0	2	0	2	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0
1300	99	0	104	0	172	0	179	0	0	0	0	0	249	0	286	230	245	0	291	210	251	0	257	244	248	0	258	241	0	0	0	0	0	0
1400	103	0	96	0	141	0	144	0	0	0	0	0	244	0	285	211	240	0	300	202	237	0	284	201	234	0	273	204	0	0	0	0	0	0
1500	104	0	111	0	144	0	154	0	0	0	0	0	250	0	273	218	248	0	274	202	244	0	265	218	242	0	260	189	0	0	0	0	0	0
1600	100	0	102	0	154	0	162	0	0	0	0	0	249	0	289	212	245	0	290	197	253	0	273	237	250	0	269	230	0	0	0	0	0	0
1700	99	0	101	0	151	0	159	0	0	0	0	0	253	0	287	216	251	0	304	207	255	0	269	242	253	0	267	238	0	0	0	0	0	0
1800	46	0	48	0	116	0	117	0	0	0	0	0	351	0	61	290	338	0	87	285	336	0	6	310	329	0	8	307	0	0	0	0	0	0
1900	41	0	40	0	78	0	84	0	0	0	0	0	233	0	257	201	229	0	261	176	253	0	268	224	251	0	269	218	0	0	0	0	0	0
2000	52	0	55	0	73	0	78	0	0	0	0	0	247	0	262	215	242	0	263	199	259	0	276	243	258	0	272	240	0	0	0	0	0	0
2100	47	0	41	0	85	0	70	0	0	0	0	0	203	0	250	151	197	0	234	149	213	0	219	209	214	0	219	208	0	0	0	0	0	0
2200	44	0	36	0	98	0	104	0	0	0	0	0	209	0	265	114	204	0	249	146	231	0	240	217	230	0	236	221	0	0	0	0	0	0
2300	71	0	69	0	122	0	128	0	0	0	0	0	236	0	263	208	233	0	262	183	238	0	252	222	235	0	249	221	0	0	0	0	0	0
2400	117	0	117	0	186	0	194	0	0	0	0	0	241	0	276	209	239	0	287	203	242	0	263	222	239	0	255	221	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	707	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	707	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	713	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	693	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	727	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	703	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	720	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	764	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	798	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	792	0	790	0	491	2	491	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	813	0	810	0	486	2	489	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	829	2	828	2	478	2	482	2	320	0	320	0	-11	2	-11	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	801	0	797	0	478	2	482	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	813	0	810	0	464	2	468	2	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	853	0	849	0	477	2	480	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	858	0	855	0	509	2	513	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	840	0	835	0	495	2	498	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	763	0	761	0	514	2	514	2	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	790	0	784	0	516	2	518	2	320	0	320	0	22	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	801	0	795	0	523	2	523	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	777	0	772	0	520	2	520	2	320	0	320	0	36	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	761	0	756	0	523	2	523	2	320	0	320	0	43	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	795	0	790	0	529	2	529	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	784	0	779	0	509	2	509	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0.0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6
100	115	0	116	0	176	0	185	0	0	0	0	0	241	0	267	206	238	0	279	191	235	0	259	208	231	0	254	190	0	0	0	0	0	0
200	111	0	109	0	187	0	194	0	0	0	0	0	240	0	269	201	236	0	267	189	234	0	263	209	232	0	253	193	0	0	0	0	0	0
300	89	0	88	0	161	0	167	0	0	0	0	0	239	0	269	172	239	0	291	196	238	0	286	197	234	0	254	203	0	0	0	0	0	0
400	90	0	89	0	130	0	132	0	0	0	0	0	297	0	354	196	294	0	351	209	294	0	349	214	288	0	342	202	0	0	0	0	0	0
500	66	0	65	0	102	0	104	0	0	0	0	0	323	0	40	272	323	0	170	270	331	0	32	273	325	0	54	271	0	0	0	0	0	0
600	78	0	79	0	104	0	119	0	0	0	0	0	239	0	262	197	237	0	272	196	241	0	264	212	239	0	260	212	0	0	0	0	0	0
700	81	0	82	0	116	0	139	0	0	0	0	0	239	0	268	212	236	0	264	196	246	0	262	224	244	0	265	219	0	0	0	0	0	0
800	107	0	104	0	172	0	182	0	0	0	0	0	236	0	263	196	236	0	268	183	238	0	265	205	234	0	271	212	0	0	0	0	0	0
900	76	0	82	0	107	0	122	0	0	0	0	0	250	0	281	234	247	0	279	207	256	0	276	241	253	0	269	236	0	0	0	0	0	0
1000	91	0	93	0	123	0	131	0	0	0	0	0	274	0	313	250	267	0	319	220	280	0	319	253	276	0	312	243	0	0	0	0	0	0
1100	54	0	56	0	85	0	89	0	0	0	0	0	273	0	328	238	267	0	328	196	279	0	308	252	271	0	299	240	0	0	0	0	0	0
1200	79	0	84	0	91	0	110	0	0	0	0	0	252	0	286	232	249	0	272	225	262	0	277	245	259	0	275	235	0	0	0	0	0	0
1300	45	0	45	0	77	0	86	0	0	0	0	0	242	0	275	204	241	0	304	206	242	0	256	222	239	0	255	218	0	0	0	0	0	0
1400	40	0	41	0	53	0	59	0	0	0	0	0	314	0	357	248	305	0	355	242	316	0	357	257	310	0	344	257	0	0	0	0	0	0
1500	20	0	25	0	25	0	27	0	0	0	0	0	262	0	354	180	261	3	350	180	263	0	332	193	259	0	331	187	0	0	0	0	0	0
1600	27	0	28	0	28	0	33	0	0	0	0	0	262	0	327	217	257	3	342	209	281	0	322	233	274	0	322	220	0	0	0	0	0	0
1700	17	0	19	0	19	0	21	0	0	0	0	0	149	0	265	99	148	3	242	99	150	0	241	97	148	0	232	105	0	0	0	0	0	0
1800	18	0	24	0	20	0	23	0	0	0	0	0	152	0	258	92	145	0	211	93	149	0	269	97	145	0	250	93	0	0	0	0	0	0
1900	27	0	31	0	43	0	44	0	0	0	0	0	160	0	198	105	159	0	194	117	158	0	171	140	161	0	173	144	0	0	0	0	0	0
2000	35	0	38	0	68	0	60	0	0	0	0	0	147	0	173	100	144	0	179	98	172	0	182	167	173	0	184	168	0	0	0	0	0	0
2100	48	0	52	0	94	0	96	0	0	0	0	0	126	0	140	117	129	0	149	103	154	0	159	150	157	0	163	153	0	0	0	0	0	0
2200	52	0	53	0	85	0	87	0	0	0	0	0	122	0	138	103	124	0	141	94	150	0	162	131	153	0	164	137	0	0	0	0	0	0
2300	61	0	60	0	98	0	103	0	0	0	0	0	111	0	125	88	109	0	131	59	125	0	135	113	128	0	136	113	0	0	0	0	0	0
2400	47	0	48	0	80	0	82	0	0	0	0	0	112	0	125	95	111	0	130	82	144	0	179	123	147	0	171	125	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	784	0	779	0	505	2	507	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	783	0	779	0	504	2	505	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	777	0	772	0	504	2	505	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	768	0	763	0	505	2	507	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	698	0	693	0	504	2	502	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	18	2
600	703	0	698	0	505	2	505	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	27	2
700	712	0	707	0	469	2	469	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	2
800	725	0	721	0	457	2	459	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	2
900	768	0	765	0	450	2	453	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	31	2
1000	766	0	761	0	426	2	432	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	2
1100	727	0	721	0	432	2	433	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	34	2
1200	732	0	727	0	433	2	437	2	320	0	320	0	5	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
1300	759	0	754	0	446	2	451	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
1400	777	0	774	0	439	2	442	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
1500	822	0	820	0	457	2	462	2	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
1600	793	0	790	0	439	2	442	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
1700	829	0	824	0	340	2	349	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
1800	831	0	846	0	312	2	322	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
1900	799	0	792	0	272	2	281	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
2000	774	0	766	0	274	2	281	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
2100	748	0	741	0	305	2	312	2	320	0	320	0	40	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
2200	748	0	743	0	288	2	296	2	320	0	320	0	40	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
2300	741	0	734	0	263	2	270	2	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	2
2400	725	0	718	0	227	2	236	2	320	0	320	0	38	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	35	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6
100	52	0	54	0	130	0	134	0	0	0	0	0	134	161	73	0	136	190	93	0	155	161	143	0	157	164	148	0	0	0	0
200	51	0	54	0	122	0	126	0	0	0	0	0	133	165	72	0	136	176	101	0	157	168	145	0	158	167	146	0	0	0	0
300	47	0	48	0	133	0	135	0	0	0	0	0	143	237	92	0	144	221	94	0	164	174	147	0	166	180	156	0	0	0	0
400	63	0	64	0	137	0	130	0	0	0	0	0	157	241	98	0	152	244	95	0	169	192	149	0	170	187	151	0	0	0	0
500	54	0	50	0	96	0	96	0	0	0	0	0	229	280	195	0	225	263	171	0	223	253	177	0	223	252	191	0	0	0	0
600	35	0	37	0	56	0	49	0	0	0	0	0	157	265	95	0	153	221	113	0	178	226	137	0	179	221	137	0	0	0	0
700	81	0	82	0	112	0	114	0	0	0	0	0	121	140	105	0	122	146	82	0	126	142	107	0	129	145	112	0	0	0	0
800	64	0	69	0	121	0	125	0	0	0	0	0	131	164	55	0	131	165	80	0	149	177	131	0	152	170	129	0	0	0	0
900	79	0	78	0	146	0	150	0	0	0	0	0	128	177	6	0	136	213	92	0	151	171	126	0	153	173	129	0	0	0	0
1000	68	0	76	0	147	0	143	0	0	0	0	0	157	220	96	0	155	220	92	0	167	188	137	0	169	190	144	0	0	0	0
1100	53	0	50	0	105	0	92	0	0	0	0	0	203	269	116	0	199	266	107	0	191	236	136	0	191	226	103	0	0	0	0
1200	85	0	79	0	124	0	124	0	0	0	0	0	247	323	181	0	242	330	180	0	229	294	192	0	227	259	153	0	0	0	0
1300	116	0	113	0	181	0	191	0	0	0	0	0	248	279	214	0	245	301	213	0	252	281	234	0	251	283	228	0	0	0	0
1400	159	0	166	0	228	0	239	0	0	0	0	0	267	301	244	0	262	298	229	0	265	273	244	0	263	269	247	0	0	0	0
1500	143	0	148	0	209	0	218	0	0	0	0	0	271	310	232	0	265	306	229	0	272	306	255	0	269	299	229	0	0	0	0
1600	85	0	86	0	135	0	138	0	0	0	0	0	298	318	260	0	290	338	241	0	309	314	304	0	302	308	297	0	0	0	0
1700	87	0	87	0	143	0	144	0	0	0	0	0	316	344	277	0	307	352	252	0	324	344	307	0	317	333	297	0	0	0	0
1800	86	0	83	0	157	0	153	0	0	0	0	0	329	40	292	0	322	84	273	0	335	1	306	0	329	357	295	0	0	0	0
1900	47	0	48	0	94	0	90	0	0	0	0	0	7	58	330	0	352	73	303	0	359	44	316	0	355	31	328	0	0	0	0
2000	25	0	31	0	45	0	47	0	0	0	0	0	77	108	47	3	74	110	36	0	43	75	356	0	40	76	328	0	0	0	0
2100	41	0	43	0	34	0	33	0	0	0	0	0	185	259	152	0	178	210	152	0	154	188	109	0	156	187	102	0	0	0	0
2200	50	0	42	0	89	0	77	0	0	0	0	0	207	254	168	0	202	241	155	0	201	210	188	0	201	209	192	0	0	0	0
2300	45	0	38	0	80	0	87	0	0	0	0	0	207	255	159	0	204	252	168	0	226	234	219	0	226	229	221	0	0	0	0
2400	41	0	37	0	83	0	91	0	0	0	0	0	202	245	97	0	199	255	148	0	224	236	217	0	225	232	218	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	727	0	720	0	177	2	189	2	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	34	2
200	723	0	716	0	134	2	150	2	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	33	2
300	723	0	718	0	90	2	107	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	30	2
400	729	0	723	0	63	2	80	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	27	2
500	730	0	725	0	26	2	42	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	25	2
600	727	0	721	0	-44	2	-27	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	12	2
700	718	0	712	0	-166	2	-148	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4	2
800	723	0	718	0	-162	2	-144	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4	2
900	748	0	745	0	-184	2	-166	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2
1000	790	0	786	0	-189	2	-170	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	847	0	844	0	-193	2	-173	2	320	0	320	0	-31	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	853	0	849	0	-171	2	-152	2	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2
1300	799	0	793	0	-191	2	-171	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	802	0	797	0	-186	2	-164	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	786	0	781	0	-193	2	-173	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	808	0	802	0	-202	2	-182	2	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	795	0	790	0	-139	2	-121	2	320	0	320	0	-38	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	9	2
1800	770	0	765	0	-123	2	-103	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	7	2
1900	761	0	756	0	-108	2	-90	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	8	2
2000	745	0	738	0	-110	2	-92	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	12	2
2100	743	0	736	0	-18	2	-4	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	21	2
2200	730	0	725	0	-38	2	-22	2	320	0	320	0	22	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	18	2
2300	732	0	727	0	-45	2	-29	2	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	2
2400	725	0	720	0	-56	2	-38	2	320	0	320	0	40	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	14	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	51	0	40	0	79	0	86	0	0	0	0	0	211	0	233	173	204	0	238	146	226	0	231	220	226	0	231	219	0	0	0	0	0	0
200	48	0	40	0	83	0	89	0	0	0	0	0	217	0	236	196	214	0	244	183	229	0	237	222	228	0	235	223	0	0	0	0	0	0
300	30	0	30	0	55	0	59	0	0	0	0	0	238	0	332	191	235	0	353	204	233	0	251	224	232	0	253	226	0	0	0	0	0	0
400	50	0	43	0	86	0	91	0	0	0	0	0	207	0	238	162	204	0	248	160	228	0	245	210	228	0	239	211	0	0	0	0	0	0
500	54	0	56	0	82	0	86	0	0	0	0	0	235	0	261	220	232	0	273	207	247	0	254	239	244	0	254	235	0	0	0	0	0	0
600	49	0	52	0	79	0	83	0	0	0	0	0	247	0	260	226	243	0	262	217	256	0	263	242	254	0	260	248	0	0	0	0	0	0
700	54	0	45	0	66	0	69	0	0	0	0	0	216	0	343	189	211	0	234	181	238	0	243	232	236	0	242	230	0	0	0	0	0	0
800	48	0	50	0	72	0	74	0	0	0	0	0	236	0	264	170	233	0	267	174	228	0	254	188	227	0	255	191	0	0	0	0	0	0
900	60	0	61	0	70	0	74	0	0	0	0	0	244	0	279	208	240	0	282	194	233	0	258	160	231	0	258	187	0	0	0	0	0	0
1000	58	0	57	0	69	0	71	0	0	0	0	0	241	0	284	195	239	0	294	195	233	0	274	199	231	0	266	193	0	0	0	0	0	0
1100	81	0	83	0	86	0	93	0	0	0	0	0	247	0	281	214	245	0	303	205	241	0	273	198	238	0	269	201	0	0	0	0	0	0
1200	91	0	95	0	115	0	121	0	0	0	0	0	252	0	276	226	249	0	280	212	248	0	267	208	246	0	266	213	0	0	0	0	0	0
1300	72	0	75	0	106	0	110	0	0	0	0	0	247	0	280	199	244	0	331	187	235	0	278	183	234	0	270	198	0	0	0	0	0	0
1400	82	0	84	0	98	0	103	0	0	0	0	0	243	0	277	201	240	0	282	189	237	0	286	192	236	0	258	205	0	0	0	0	0	0
1500	64	0	64	0	82	0	84	0	0	0	0	0	240	0	278	202	238	0	290	196	236	0	286	203	234	0	271	204	0	0	0	0	0	0
1600	60	0	84	0	116	0	119	0	0	0	0	0	242	0	273	180	242	0	292	203	236	0	277	208	233	0	274	196	0	0	0	0	0	0
1700	80	0	82	0	111	0	116	0	0	0	0	0	245	0	275	208	240	0	290	196	235	0	288	186	234	0	265	188	0	0	0	0	0	0
1800	64	0	62	0	94	0	92	0	0	0	0	0	238	0	298	197	238	0	308	192	224	0	261	179	222	0	257	179	0	0	0	0	0	0
1900	82	0	78	0	125	0	125	0	0	0	0	0	238	0	314	180	236	0	305	187	234	0	309	195	233	0	300	201	0	0	0	0	0	0
2000	101	0	102	0	138	0	140	0	0	0	0	0	327	0	24	270	318	0	354	254	330	0	357	300	324	0	351	303	0	0	0	0	0	0
2100	51	0	51	0	77	0	73	0	0	0	0	0	215	0	268	103	211	0	268	135	221	0	264	176	220	0	262	172	0	0	0	0	0	0
2200	44	0	50	0	93	0	90	0	0	0	0	0	163	0	264	108	158	0	233	93	160	0	191	140	163	0	190	143	0	0	0	0	0	0
2300	38	0	37	0	89	0	79	0	0	0	0	0	182	0	247	92	175	0	237	114	202	0	219	185	203	0	221	175	0	0	0	0	0	0
2400	49	0	40	0	76	0	79	0	0	0	0	0	213	0	273	193	208	0	228	175	234	0	249	220	232	0	243	225	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	721	0	716	0	-60	2	-42	2	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	14	2
200	714	0	709	0	-69	2	-51	2	320	0	320	0	40	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	13	2
300	727	0	721	0	-76	2	-58	2	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	12	2
400	705	0	698	0	-81	2	-62	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	12	2
500	705	0	698	0	-69	2	-49	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	14	2
600	712	0	707	0	-152	2	-132	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	5	2
700	705	0	702	0	-188	2	-166	2	320	0	320	0	22	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	738	0	734	0	-186	2	-166	2	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	765	0	761	0	-171	2	-152	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	784	0	783	0	-164	2	-144	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2
1100	792	0	790	0	-148	2	-130	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4	2
1200	817	0	815	0	-188	2	-166	2	320	0	320	0	-7	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	860	0	860	0	-159	2	-137	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2
1400	878	0	876	0	-155	2	-134	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2
1500	887	0	887	0	-153	2	-132	2	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4	2
1600	892	0	891	0	-146	2	-126	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4	2
1700	889	0	887	0	-123	2	-103	2	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	5	2
1800	894	0	892	0	-108	2	-87	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	2
1900	860	0	856	0	-112	2	-92	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	7	2
2000	774	0	770	0	-53	2	-36	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	17	2
2100	748	0	741	0	-44	2	-29	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	18	2
2200	707	0	700	0	-54	2	-40	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	18	2
2300	694	0	689	0	-56	2	-40	2	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	18	2
2400	714	0	709	0	-47	2	-31	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	17	2

STATUS C[illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL[illegible]

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6
100	38	0	41	0	61	0	64	0	0	0	0	0	254	0	293	215	249	0	296	210	267	0	294	250	264	0	288 249	0 0	0	0 0	0
200	44	0	47	0	60	0	63	0	0	0	0	0	255	0	284	233	251	0	297	225	267	0	295	249	263	0	286 235	0 0	0	0 0	0
300	28	0	30	0	56	0	59	0	0	0	0	0	255	0	326	196	247	3	342	183	263	0	292	241	259	0	286 234	0 0	0	0 0	0
400	72	0	76	0	96	0	100	0	0	0	0	0	260	0	285	236	254	0	282	225	265	0	276	247	262	0	280 250	0 0	0	0 0	0
500	65	0	66	0	78	0	81	0	0	0	0	0	265	0	299	241	264	0	316	230	275	0	308	254	270	0	303 248	0 0	0	0 0	0
600	56	0	59	0	69	0	70	0	0	0	0	0	316	0	357	287	311	0	348	264	317	0	329	306	310	0	324 299	0 0	0	0 0	0
700	25	0	27	0	36	0	36	0	0	0	0	0	23	3	68	343	15	3	72	327	358	0	18	328	354	0	17 322	0 0	0	0 0	0
800	44	0	51	0	62	0	73	0	0	0	0	0	78	0	104	54	75	0	123	34	72	0	93	45	71	0	89 48	0 0	0	0 0	0
900	66	0	76	0	77	0	85	0	0	0	0	0	74	0	102	44	72	0	107	39	70	0	106	50	70	0	94 50	0 0	0	0 0	0
1000	62	0	66	0	88	0	95	0	0	0	0	0	89	0	123	54	90	0	151	39	82	0	121	43	83	0	114 52	0 0	0	0 0	0
1100	60	0	66	0	79	0	84	0	0	0	0	0	85	0	138	38	83	0	128	25	88	0	144	37	88	0	145 30	0 0	0	0 0	0
1200	58	0	61	0	104	0	103	0	0	0	0	0	21	0	173	307	17	0	119	313	5	0	41	321	2	0	62 300	0 0	0	0 0	0
1300	88	0	93	0	133	0	130	0	0	0	0	0	19	0	89	310	15	0	61	318	9	0	38	335	5	0	56 331	0 0	0	0 0	0
1400	87	0	92	0	132	0	131	0	0	0	0	0	28	0	70	324	21	0	85	295	13	0	69	325	9	0	53 318	0 0	0	0 0	0
1500	118	0	121	0	164	0	157	0	0	0	0	0	31	0	68	357	26	0	83	331	20	0	48	343	16	0	47 337	0 0	0	0 0	0
1600	122	0	122	0	158	0	156	0	0	0	0	0	29	0	78	329	24	0	127	305	16	0	54	330	10	0	47 318	0 0	0	0 0	0
1700	126	0	123	0	186	0	180	0	0	0	0	0	30	0	73	351	28	0	106	332	19	0	51	351	16	0	39 350	0 0	0	0 0	0
1800	121	0	121	0	189	0	183	0	0	0	0	0	34	0	59	13	25	0	72	331	20	0	45	351	16	0	45 354	0 0	0	0 0	0
1900	122	0	127	0	175	0	169	0	0	0	0	0	37	0	73	15	33	0	93	0	27	0	52	346	23	0	58 351	0 0	0	0 0	0
2000	114	0	118	0	177	0	170	0	0	0	0	0	37	0	64	21	32	0	73	4	28	0	42	16	25	0	49 8	0 0	0	0 0	0
2100	97	0	99	0	146	0	144	0	0	0	0	0	37	0	59	23	31	0	71	352	32	0	57	12	29	0	57 12	0 0	0	0 0	0
2200	89	0	96	0	130	0	135	0	0	0	0	0	46	0	85	23	41	0	94	8	38	0	58	14	36	0	61 12	0 0	0	0 0	0
2300	66	0	73	0	104	0	115	0	0	0	0	0	54	0	82	29	50	0	106	17	47	0	72	23	44	0	74 23	0 0	0	0 0	0
2400	70	0	77	0	103	0	115	0	0	0	0	0	57	0	86	26	52	0	115	3	49	0	81	26	48	0	86 18	0 0	0	0 0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	716	0	711	0	-53	2	-35	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	17	2
200	727	0	721	0	-54	2	-35	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	15	2
300	711	0	703	0	-63	2	-44	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	16	2
400	725	0	720	0	-60	2	-42	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	15	2
500	727	0	721	0	-63	2	-44	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	17	2
600	727	0	721	0	-85	2	-65	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	6	2
700	711	0	707	0	-188	2	-168	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0	2
800	750	0	748	0	-184	2	-166	2	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4	2
900	781	0	781	0	-152	2	-134	2	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5	2
1000	799	0	801	0	-134	2	-116	2	320	0	320	0	-32	0	-36	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	6	2
1100	833	0	837	0	-157	2	-137	2	320	0	320	0	-41	0	-45	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	8	2
1200	788	0	786	0	-157	2	-139	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4	2
1300	802	0	802	0	-153	2	-135	2	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3	2
1400	801	0	801	0	-148	2	-130	2	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	7	2
1500	792	0	792	0	-99	2	-83	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	11	2
1600	788	0	786	0	-126	2	-107	2	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2	2
1700	779	0	777	0	-144	2	-125	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5	2
1800	766	0	765	0	-134	2	-114	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	8	2
1900	747	0	745	0	-153	2	-132	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3	2
2000	732	0	729	0	-139	2	-119	2	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	8	2
2100	732	0	729	0	-56	2	-40	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	18	2
2200	732	0	729	0	-58	2	-42	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	17	2
2300	727	0	723	0	-63	2	-45	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	17	2
2400	721	0	718	0	-67	2	-49	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	15	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	62	0	71	0	94	0	107	0	0	0	0	0	69	0	93	42		65	0	96	25	60	0	84	39	59	0	83	33	0	0	0	0	0	0
200	73	0	79	0	109	0	122	0	0	0	0	0	85	0	111	50		84	0	124	26	73	0	96	54	74	0	92	55	0	0	0	0	0	0
300	78	0	80	0	123	0	131	0	0	0	0	0	88	0	111	66		86	0	114	60	76	0	87	65	76	0	87	64	0	0	0	0	0	0
400	62	0	72	0	115	0	131	0	0	0	0	0	69	0	97	48		65	0	95	34	60	0	73	51	61	0	75	51	0	0	0	0	0	0
500	52	0	60	0	91	0	103	0	0	0	0	0	63	0	95	31		60	0	93	24	54	0	71	42	54	0	68	36	0	0	0	0	0	0
600	52	0	64	0	87	0	102	0	0	0	0	0	65	0	85	48		61	0	94	25	61	0	71	51	62	0	70	51	0	0	0	0	0	0
700	58	0	68	0	86	0	103	0	0	0	0	0	66	0	90	33		62	0	95	25	62	0	78	47	62	0	81	46	0	0	0	0	0	0
800	47	0	52	0	67	0	71	0	0	0	0	0	84	0	124	12		81	0	148	27	83	0	131	38	84	0	136	30	0	0	0	0	0	0
900	64	0	65	0	85	0	86	0	0	0	0	0	104	0	130	69		102	0	148	50	97	0	138	61	99	0	143	54	0	0	0	0	0	0
1000	85	0	85	0	109	0	113	0	0	0	0	0	102	0	141	60		103	0	157	39	103	0	155	64	106	0	141	76	0	0	0	0	0	0
1100	81	0	85	0	99	0	102	0	0	0	0	0	87	0	126	37		86	0	144	31	91	0	158	62	90	0	157	55	0	0	0	0	0	0
1200	61	0	69	0	82	0	91	0	0	0	0	0	74	0	139	29		74	0	144	14	79	0	123	27	81	0	169	24	0	0	0	0	0	0
1300	93	0	95	0	131	0	129	0	0	0	0	0	23	0	69	333		11	0	75	309	14	0	39	350	11	0	36	337	0	0	0	0	0	0
1400	102	0	100	0	140	0	139	0	0	0	0	0	28	0	160	324		20	0	63	317	17	0	53	345	11	0	44	325	0	0	0	0	0	0
1500	93	0	96	0	147	0	146	0	0	0	0	0	30	0	73	6		22	0	73	328	10	0	36	331	5	0	36	330	0	0	0	0	0	0
1600	104	0	108	0	149	0	147	0	0	0	0	0	29	0	68	1		26	0	94	330	17	0	53	352	11	0	44	346	0	0	0	0	0	0
1700	119	0	116	0	163	0	156	0	0	0	0	0	39	0	83	14		34	0	89	334	27	0	45	359	23	0	61	355	0	0	0	0	0	0
1800	137	0	134	0	177	0	173	0	0	0	0	0	36	0	71	11		28	0	79	358	25	0	48	1	21	0	52	355	0	0	0	0	0	0
1900	130	0	132	0	179	0	175	0	0	0	0	0	39	0	67	13		33	0	79	2	34	0	73	11	29	0	60	7	0	0	0	0	0	0
2000	133	0	135	0	186	0	179	0	0	0	0	0	40	0	75	21		32	0	83	339	30	0	57	11	25	0	54	358	0	0	0	0	0	0
2100	104	0	102	0	152	0	147	0	0	0	0	0	40	0	78	6		36	0	106	2	35	0	67	12	31	0	55	4	0	0	0	0	0	0
2200	71	0	72	0	109	0	113	0	0	0	0	0	51	0	90	27		45	0	70	15	42	0	67	16	39	0	64	14	0	0	0	0	0	0
2300	68	0	65	0	101	0	110	0	0	0	0	0	88	0	120	52		83	0	117	45	74	0	93	51	72	0	95	50	0	0	0	0	0	0
2400	80	0	75	0	113	0	110	0	0	0	0	0	97	0	120	76		96	0	127	68	86	0	101	66	85	0	104	65	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	702	0	696	0	-72	2	-56	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	15	2
200	684	0	678	0	-98	2	-78	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	14	2
300	673	0	667	0	-98	2	-78	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	13	2
400	651	0	648	0	-105	2	-85	2	320	0	320	0	29	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	12	2
500	657	0	653	0	-105	2	-87	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	12	2
600	640	0	637	0	-180	2	-159	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2
700	662	0	660	0	-213	2	-191	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	711	0	711	0	-215	2	-202	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	752	0	752	0	-209	2	-191	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	766	0	766	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	795	0	795	0	315	2	315	2	320	0	320	0	-36	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	820	0	824	0	315	2	315	2	320	0	320	0	-41	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	750	0	748	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	763	0	761	0	315	2	315	2	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	766	0	766	0	315	2	315	2	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	752	0	750	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	752	0	752	0	315	2	315	2	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	739	0	739	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	720	0	720	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	705	0	703	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	703	0	702	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	696	0	693	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	698	0	694	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	689	0	685	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 30	A	S	WIND SPD2 30	B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 30	A	S	WIND DIR1	MIN 30	MAX 30	B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	89	0		86	0		131	0	128	0	0	0	0	0	0	100	0	124	73		99	0	128	68		97	0	117	82		96	0	117	65		0	0	0	0	0	0
200	91	0		85	0		132	0	130	0	0	0	0	0	0	100	0	133	70		98	0	156	57		95	0	118	77		93	0	112	71		0	0	0	0	0	0
300	85	0		75	0		123	0	121	0	0	0	0	0	0	104	0	122	80		101	0	135	48		97	0	115	69		97	0	122	76		0	0	0	0	0	0
400	94	0		80	0		131	0	129	0	0	0	0	0	0	109	0	132	90		106	0	169	71		102	0	119	85		100	0	122	82		0	0	0	0	0	0
500	61	0		53	0		81	0	79	0	0	0	0	0	0	100	0	128	76		95	0	138	48		93	0	126	55		93	0	128	63		0	0	0	0	0	0
600	75	0		67	0		105	0	103	0	0	0	0	0	0	101	0	122	88		100	0	146	72		98	0	111	79		97	0	116	74		0	0	0	0	0	0
700	70	0		60	0		85	0	83	0	0	0	0	0	0	112	0	138	86		111	0	146	80		107	0	119	92		106	0	117	91		0	0	0	0	0	0
800	77	0		66	0		90	0	88	0	0	0	0	0	0	105	0	129	82		103	0	139	59		100	0	118	79		99	0	121	75		0	0	0	0	0	0
900	48	0		44	0		55	0	57	0	0	0	0	0	0	87	0	125	25		84	0	123	35		88	0	129	55		87	0	131	52		0	0	0	0	0	0
1000	28	0		26	0		43	0	42	0	0	0	0	0	0	30	3	85	270		25	3	105	291		32	0	82	293		25	0	75	274		0	0	0	0	0	0
1100	73	0		64	0		70	0	66	0	0	0	0	0	0	353	0	24	311		340	0	20	284		358	0	21	308		352	0	23	326		0	0	0	0	0	0
1200	65	0		57	0		100	0	96	0	0	0	0	0	0	359	0	55	307		353	0	68	281		359	0	48	307		354	0	67	307		0	0	0	0	0	0
1300	54	0		48	0		99	0	95	0	0	0	0	0	0	1	0	87	275		356	0	73	274		357	0	40	296		348	0	35	309		0	0	0	0	0	0
1400	87	0		78	0		115	0	113	0	0	0	0	0	0	28	0	92	283		22	0	82	329		10	0	46	310		3	0	45	330		0	0	0	0	0	0
1500	109	0		100	0		140	0	133	0	0	0	0	0	0	27	0	68	347		18	0	78	329		14	0	40	329		8	0	31	329		0	0	0	0	0	0
1600	94	0		87	0		126	0	119	0	0	0	0	0	0	25	0	81	301		18	0	104	303		15	0	45	344		10	0	58	340		0	0	0	0	0	0
1700	100	0		92	0		122	0	122	0	0	0	0	0	0	24	0	60	349		17	0	59	334		10	0	36	340		2	0	29	333		0	0	0	0	0	0
1800	89	0		84	0		107	0	104	0	0	0	0	0	0	39	0	92	0		34	0	159	0		22	0	50	338		14	0	46	330		0	0	0	0	0	0
1900	98	0		91	0		127	0	121	0	0	0	0	0	0	34	0	62	1		25	0	94	328		26	0	48	339		19	0	45	342		0	0	0	0	0	0
2000	89	0		84	0		130	0	125	0	0	0	0	0	0	37	0	58	16		30	0	67	341		27	0	48	4		21	0	52	358		0	0	0	0	0	0
2100	84	0		80	0		117	0	116	0	0	0	0	0	0	46	0	78	18		38	0	82	10		36	0	62	10		30	0	60	358		0	0	0	0	0	0
2200	67	0		69	0		98	0	109	0	0	0	0	0	0	53	0	90	36		47	0	81	3		44	0	52	26		40	0	58	23		0	0	0	0	0	0
2300	56	0		55	0		87	0	93	0	0	0	0	0	0	75	0	94	65		71	0	86	56		54	0	59	47		52	0	59	42		0	0	0	0	0	0
2400	42	0		36	0		60	0	68	0	0	0	0	0	0	97	0	125	74		96	0	127	71		61	0	72	49		59	0	73	46		0	0	0	0	0	0

	AMB. TEM1 30	A	S	AMB. TEM2 30	B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	682	0		678	0		315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	669	0		667	0		315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	658	0		657	0		315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	640	0		639	0		315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	628	0		626	0		315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	619	0		617	0		315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	617	0		613	0		315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	630	0		628	0		315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	702	0		705	0		315	2	315	2	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	725	0		727	0		315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	702	0		702	0		315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	702	0		702	0		315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	738	0		739	0		315	2	315	2	320	0	320	0	-58	0	-59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	727	0		729	0		315	2	315	2	320	0	320	0	-38	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	723	0		723	0		315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	734	0		734	0		315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	723	0		723	0		315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	721	0		721	0		315	2	315	2	320	0	320	0	-22	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	700	0		700	0		315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	684	0		682	0		315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	678	0		676	0		315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	667	0		662	0		315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	648	0		644	0		315	2	315	2	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	646	0		640	0		315	2	315	2	320	0	320	0	23	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

TEMP. TEMPERATURE .1 DEGREES SPEED .1MPH. DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

2-75

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	39	0	33	0	47	0	56	0	0	0	0	0	107	0	117	92	106	0	123	91	68	0	74	60	65	0	72	57	0	0	0	0	0	0	0
200	37	0	30	0	53	0	54	0	0	0	0	0	95	0	105	86	92	3	105	81	75	0	80	64	74	0	80	64	0	0	0	0	0	0	0
300	39	0	33	0	49	0	47	0	0	0	0	0	81	0	87	72	77	0	90	67	94	0	100	89	94	0	100	87	0	0	0	0	0	0	0
400	48	0	42	0	35	0	34	0	0	0	0	0	87	0	102	82	83	0	101	71	94	0	97	90	94	0	97	89	0	0	0	0	0	0	0
500	49	0	43	0	33	0	33	0	0	0	0	0	92	0	100	86	89	0	103	79	101	0	107	94	101	0	105	94	0	0	0	0	0	0	0
600	53	0	47	0	48	0	46	0	0	0	0	0	107	0	115	103	106	0	134	93	118	0	145	106	118	0	135	106	0	0	0	0	0	0	0
700	67	0	58	0	101	0	101	0	0	0	0	0	121	0	131	114	121	0	135	104	117	0	120	110	117	0	120	110	0	0	0	0	0	0	0
800	17	0	15	0	18	0	18	0	0	0	0	0	331	3	113	289	325	3	34	273	33	3	107	305	30	3	115	300	0	0	0	0	0	0	0
900	16	0	15	0	17	0	19	0	0	0	0	0	85	3	173	3	81	3	174	0	74	3	162	1	76	3	170	12	0	0	0	0	0	0	0
1000	33	0	27	0	25	0	26	0	0	0	0	0	297	0	324	257	291	3	329	250	309	0	25	276	303	0	58	276	0	0	0	0	0	0	0
1100	41	0	36	0	55	0	55	0	0	0	0	0	315	0	354	249	305	0	354	257	325	0	11	298	314	0	352	296	0	0	0	0	0	0	0
1200	51	2	43	2	53	2	54	2	0	0	0	0	309	2	350	255	300	2	352	193	330	2	13	282	320	2	352	279	0	0	0	0	0	0	0
1300	69	0	64	0	84	0	82	0	0	0	0	0	318	0	7	282	306	0	345	256	328	0	354	302	319	0	346	295	0	0	0	0	0	0	0
1400	67	0	66	0	99	0	99	0	0	0	0	0	325	0	15	285	310	0	356	215	330	0	353	300	322	0	340	302	0	0	0	0	0	0	0
1500	77	0	72	0	98	0	98	0	0	0	0	0	336	0	36	278	330	0	56	284	334	0	356	292	327	0	358	290	0	0	0	0	0	0	0
1600	63	0	57	0	80	0	77	0	0	0	0	0	344	0	84	290	333	0	76	270	353	0	39	310	345	0	42	295	0	0	0	0	0	0	0
1700	51	0	44	0	75	0	72	0	0	0	0	0	23	0	86	285	14	0	114	298	9	0	60	300	4	0	54	300	0	0	0	0	0	0	0
1800	69	0	64	0	85	0	81	0	0	0	0	0	28	0	71	343	18	0	76	330	13	0	34	349	8	0	32	347	0	0	0	0	0	0	0
1900	55	0	49	0	68	0	64	0	0	0	0	0	39	0	82	17	31	0	105	359	20	0	51	347	13	0	54	333	0	0	0	0	0	0	0
2000	54	0	50	0	84	0	82	0	0	0	0	0	45	0	78	8	40	0	81	13	33	0	45	14	28	0	43	12	0	0	0	0	0	0	0
2100	48	0	46	0	77	0	87	0	0	0	0	0	56	0	78	36	49	0	85	23	46	0	53	40	42	0	49	32	0	0	0	0	0	0	0
2200	30	0	26	0	48	0	53	0	0	0	0	0	70	3	93	35	66	3	91	13	47	0	55	32	44	0	52	29	0	0	0	0	0	0	0
2300	32	0	30	0	51	0	61	0	0	0	0	0	71	0	82	59	66	3	79	47	54	0	63	49	52	0	62	43	0	0	0	0	0	0	0
2400	41	0	36	0	59	0	69	0	0	0	0	0	79	0	94	52	75	0	101	45	65	0	74	49	62	0	71	49	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	640	0	635	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	637	0	631	0	315	2	315	2	320	0	320	0	32	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	628	0	622	0	315	2	315	2	320	0	320	0	61	0	65	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	622	0	619	0	315	2	315	2	320	0	320	0	58	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	622	0	617	0	315	2	315	2	320	0	320	0	45	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	615	0	612	0	315	2	315	2	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	624	0	622	0	315	2	315	2	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	687	0	689	0	315	2	315	2	320	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	747	0	747	0	315	2	315	2	320	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	730	0	732	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	734	0	732	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	756	2	754	2	315	2	315	2	320	0	320	0	-40	2	-36	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	754	0	754	0	315	2	315	2	320	0	320	0	-52	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	763	0	763	0	315	2	315	2	320	0	320	0	-56	0	-56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	756	0	756	0	315	2	315	2	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	759	0	757	0	315	2	315	2	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	765	0	765	0	315	2	315	2	320	0	320	0	-41	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	732	0	730	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	714	0	712	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	682	0	678	0	315	2	315	2	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	669	0	666	0	315	2	315	2	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	657	0	653	0	315	2	315	2	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	644	0	639	0	315	2	315	2	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	644	0	639	0	315	2	315	2	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS [illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	B S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	40	0	37	0	59	0	71	0	0	0	0	0	53	0	75	46	48	0	58	35	65	0	69	59	63	0	67	58	0	0	0	0	0	0
200	24	0	22	0	54	0	56	0	0	0	0	0	51	3	59	28	44	3	57	14	75	0	77	72	73	0	74	70	0	0	0	0	0	0
300	19	0	14	0	29	0	30	0	0	0	0	0	350	3	33	325	338	0	352	316	78	3	89	63	77	3	87	62	0	0	0	0	0	0
400	7	0	0	4	31	0	31	0	0	0	0	0	91	3	111	76	84	3	102	26	107	0	108	104	107	0	108	104	0	0	0	0	0	0
500	47	0	41	0	37	0	37	0	0	0	0	0	311	0	319	300	303	0	316	291	308	0	320	286	301	0	311	283	0	0	0	0	0	0
600	44	0	36	0	62	0	59	0	0	0	0	0	335	0	354	324	325	0	347	306	341	0	351	335	333	0	344	327	0	0	0	0	0	0
700	31	0	24	0	41	0	38	0	0	0	0	0	34	0	55	10	29	3	48	2	14	0	20	8	8	0	15	1	0	0	0	0	0	0
800	26	0	19	0	25	0	23	0	0	0	0	0	354	3	46	312	348	3	45	290	353	3	31	331	345	3	15	321	0	0	0	0	0	0
900	41	0	36	0	40	0	40	0	0	0	0	0	307	0	326	284	300	0	340	254	310	0	316	300	301	0	307	296	0	0	0	0	0	0
1000	41	0	34	0	45	0	47	0	0	0	0	0	290	0	345	241	283	0	346	220	285	0	331	248	278	0	317	239	0	0	0	0	0	0
1100	44	0	38	0	56	0	56	0	0	0	0	0	264	0	335	207	264	0	352	196	286	0	332	247	279	0	321	229	0	0	0	0	0	0
1200	63	0	53	0	67	0	67	0	0	0	0	0	301	0	330	256	293	0	338	254	303	0	324	288	294	0	304	281	0	0	0	0	0	0
1300	51	0	43	0	58	0	58	0	0	0	0	0	296	0	343	239	286	0	358	238	306	0	342	287	297	0	320	276	0	0	0	0	0	0
1400	53	0	44	0	53	0	53	0	0	0	0	0	302	0	339	248	289	0	349	218	303	0	317	283	294	0	318	269	0	0	0	0	0	0
1500	62	0	61	0	73	0	76	0	0	0	0	0	300	0	357	269	290	0	354	240	302	0	316	291	295	0	308	281	0	0	0	0	0	0
1600	54	0	57	0	79	0	82	0	0	0	0	0	305	0	348	221	297	0	350	249	308	0	325	294	301	0	314	289	0	0	0	0	0	0
1700	53	0	55	0	53	0	57	0	0	0	0	0	257	0	319	221	254	0	305	209	269	0	352	222	265	0	334	232	0	0	0	0	0	0
1800	28	0	34	0	37	0	40	0	0	0	0	0	317	0	354	237	316	0	19	271	307	0	342	266	302	0	345	277	0	0	0	0	0	0
1900	40	0	43	0	54	0	57	0	0	0	0	0	235	0	262	192	231	0	261	196	237	0	256	222	235	0	249	224	0	0	0	0	0	0
2000	44	0	48	0	48	0	52	0	0	0	0	0	235	0	254	223	232	0	262	206	243	0	254	231	241	0	252	230	0	0	0	0	0	0
2100	53	0	56	0	57	0	61	0	0	0	0	0	260	0	278	246	255	0	285	238	271	0	295	257	268	0	296	255	0	0	0	0	0	0
2200	62	0	60	0	63	0	67	0	0	0	0	0	228	0	241	209	225	0	240	172	240	0	254	229	238	0	251	229	0	0	0	0	0	0
2300	62	0	63	0	83	0	88	0	0	0	0	0	233	0	254	210	230	0	252	203	241	0	244	237	238	0	242	235	0	0	0	0	0	0
2400	70	0	73	0	94	0	99	0	0	0	0	0	241	0	263	224	238	0	262	216	257	0	264	250	255	0	263	236	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	630	0	628	0	315	2	315	2	320	0	320	0	58	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	651	0	646	0	315	2	315	2	320	0	320	0	47	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	646	0	640	0	315	2	315	2	320	0	320	0	45	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	624	0	621	0	315	2	315	2	320	0	320	0	49	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	642	0	637	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	631	0	628	0	315	2	315	2	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	658	0	655	0	315	2	315	2	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	716	0	716	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	730	0	730	0	315	2	315	2	320	0	320	0	-34	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	738	0	738	0	315	2	315	2	320	0	320	0	-34	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	739	0	738	0	315	2	315	2	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	765	0	765	0	315	2	315	2	320	0	320	0	-61	2	-59	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	770	0	770	0	315	2	315	2	320	0	320	0	-63	2	-61	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	781	0	779	0	315	2	315	2	320	0	320	0	-59	2	-59	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	777	0	775	0	-175	2	-153	2	320	0	320	0	-4	2	-4	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4	2
1600	777	0	775	0	-202	2	-179	2	320	0	320	0	-4	2	-4	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	754	0	750	0	-180	2	-157	2	320	0	320	0	-31	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2
1800	759	0	757	0	-132	2	-110	2	320	0	320	0	-22	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	9	2
1900	716	0	714	0	-130	2	-108	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	7	2
2000	694	0	689	0	-125	2	-103	2	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	12	2
2100	703	0	700	0	-47	2	-27	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	18	2
2200	676	0	675	0	-76	2	-54	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	15	2
2300	693	0	689	0	-78	2	-56	2	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	2
2400	711	0	707	0	-56	2	-36	2	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	17	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	63	0	66	0	99	0	105	0	0	0	0	0	251	0	270	237	247	0	262	226	273	0	282	262	270	0	278	261	0	0	0	0	0	0
200	58	0	61	0	89	0	94	0	0	0	0	0	237	0	253	217	234	0	259	214	258	0	264	239	258	0	263	237	0	0	0	0	0	0
300	58	0	61	0	104	0	111	0	0	0	0	0	237	0	270	225	234	0	261	206	243	0	251	229	241	0	249	231	0	0	0	0	0	0
400	64	0	64	0	110	0	118	0	0	0	0	0	232	0	251	208	228	0	252	206	243	0	248	233	242	0	248	231	0	0	0	0	0	0
500	47	0	49	0	91	0	96	0	0	0	0	0	236	0	267	210	235	0	261	195	250	0	263	230	247	0	257	232	0	0	0	0	0	0
600	56	0	59	0	105	0	110	0	0	0	0	0	239	0	258	218	236	0	260	206	252	0	271	237	250	0	259	227	0	0	0	0	0	0
700	62	0	64	0	110	0	116	0	0	0	0	0	240	0	268	214	237	0	290	202	246	0	268	234	244	0	260	221	0	0	0	0	0	0
800	76	0	75	0	119	0	127	0	0	0	0	0	239	0	266	196	236	0	268	167	250	0	268	237	248	0	258	224	0	0	0	0	0	0
900	75	0	77	0	95	0	101	0	0	0	0	0	238	0	270	203	235	0	269	185	239	0	267	220	238	0	283	222	0	0	0	0	0	0
1000	83	0	88	0	96	0	102	0	0	0	0	0	249	0	277	194	246	0	275	205	243	0	261	219	243	0	262	219	0	0	0	0	0	0
1100	84	0	88	0	96	0	103	0	0	0	0	0	247	0	281	223	243	0	278	204	250	0	272	229	249	0	278	235	0	0	0	0	0	0
1200	80	0	84	0	77	0	83	0	0	0	0	0	242	0	271	217	240	0	273	208	254	0	305	191	254	0	304	216	0	0	0	0	0	0
1300	71	0	74	0	82	0	92	0	0	0	0	0	275	0	297	222	271	0	310	222	260	0	292	206	260	0	283	225	0	0	0	0	0	0
1400	56	0	57	0	71	0	77	0	0	0	0	0	298	0	338	255	293	0	348	236	287	0	313	241	283	0	311	252	0	0	0	0	0	0
1500	62	0	67	0	59	0	62	0	0	0	0	0	251	0	297	233	247	0	317	221	275	0	326	241	271	0	306	224	0	0	0	0	0	0
1600	43	0	44	0	58	0	62	0	0	0	0	0	298	0	349	243	288	0	343	193	290	0	316	257	286	0	305	261	0	0	0	0	0	0
1700	32	0	36	0	40	0	44	0	0	0	0	0	313	0	357	197	311	0	352	208	302	0	340	280	297	0	333	269	0	0	0	0	0	0
1800	16	0	24	0	22	0	24	0	0	0	0	0	272	0	343	195	269	3	357	188	270	3	355	209	265	0	354	205	0	0	0	0	0	0
1900	26	0	28	0	50	0	46	0	0	0	0	0	195	0	232	173	190	0	232	161	218	0	219	212	220	0	224	214	0	0	0	0	0	0
2000	32	0	36	0	46	0	52	0	0	0	0	0	228	0	236	218	226	0	234	205	225	0	229	219	227	0	230	221	0	0	0	0	0	0
2100	41	0	47	0	42	0	35	0	0	0	0	0	145	0	157	138	146	0	157	137	194	0	198	180	195	0	201	184	0	0	0	0	0	0
2200	50	0	53	0	78	0	65	0	0	0	0	0	174	0	210	130	172	0	215	132	181	0	185	177	183	0	187	178	0	0	0	0	0	0
2300	59	0	48	0	119	0	112	0	0	0	0	0	206	0	235	173	205	0	259	159	215	0	229	205	217	0	230	204	0	0	0	0	0	0
2400	54	0	45	0	121	0	124	0	0	0	0	0	205	0	268	178	200	0	262	155	221	0	230	216	223	0	230	211	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	711	0	707	0	-60	2	-38	2	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	16	2
200	711	0	707	0	-67	2	-44	2	320	0	320	0	29	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	15	2
300	700	0	696	0	-81	2	-58	2	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	13	2
400	684	0	680	0	-80	2	-56	2	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	14	2
500	671	0	667	0	-81	2	-58	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	15	2
600	673	0	669	0	-157	2	-130	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	2
700	682	0	680	0	-204	2	-177	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	702	0	698	0	-206	2	-180	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	721	0	720	0	-191	2	-166	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2
1000	741	0	738	0	-188	2	-162	2	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	752	0	750	0	-162	2	-139	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	2
1200	765	0	761	0	-148	2	-125	2	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	7	2
1300	806	0	806	0	-150	2	-126	2	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	4	2
1400	837	0	835	0	-144	2	-121	2	320	0	320	0	-50	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	2
1500	819	0	817	0	-139	2	-116	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	2
1600	855	0	853	0	-141	2	-116	2	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	5	2
1700	856	0	855	0	-123	2	-99	2	320	0	320	0	-43	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	9	2
1800	849	0	847	0	-89	2	-49	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	15	2
1900	804	0	801	0	315	2	315	2	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	773	0	790	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	772	0	768	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	768	0	765	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	756	0	754	0	315	2	315	2	320	0	320	0	47	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	738	0	734	0	315	2	315	2	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6
100	79	0	70	0	135	0	141	0	0	0	0	0	228	0	255	202	225	0	263	192	227	0	239	212	227	0	238	213	0	0	0	0	0	0	0
200	72	0	71	0	130	0	140	0	0	0	0	0	239	0	273	220	235	0	274	192	241	0	257	221	240	0	251	225	0	0	0	0	0	0	0
300	69	0	67	0	115	0	121	0	0	0	0	0	236	0	268	209	233	0	263	198	238	0	252	222	237	0	254	225	0	0	0	0	0	0	0
400	66	0	65	0	108	0	114	0	0	0	0	0	239	0	267	208	235	0	270	208	248	0	258	234	246	0	254	231	0	0	0	0	0	0	0
500	68	0	67	0	110	0	116	0	0	0	0	0	240	0	270	220	237	0	260	204	247	0	256	232	246	0	256	235	0	0	0	0	0	0	0
600	72	0	72	0	117	0	122	0	0	0	0	0	243	0	270	209	240	0	269	214	254	0	264	238	253	0	259	239	0	0	0	0	0	0	0
700	50	0	49	0	74	0	77	0	0	0	0	0	246	0	277	214	244	0	273	217	266	0	283	252	263	0	286	246	0	0	0	0	0	0	0
800	64	0	65	0	93	0	97	0	0	0	0	0	255	0	286	231	251	0	300	222	264	0	273	253	262	0	273	249	0	0	0	0	0	0	0
900	50	0	49	0	63	0	66	0	0	0	0	0	244	0	290	208	240	0	282	195	252	0	286	204	250	0	276	222	0	0	0	0	0	0	0
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2
1600	44	0	40	0	52	0	52	0	0	0	0	0	302	0	359	228	295	0	352	212	316	0	2	288	308	0	336	262	0	0	0	0	0	0	0
1700	44	0	42	0	52	0	53	0	0	0	0	0	313	0	356	192	308	0	359	212	332	0	15	296	325	0	17	274	0	0	0	0	0	0	0
1800	37	0	34	0	53	0	50	0	0	0	0	0	354	0	100	288	345	0	29	280	2	0	45	325	358	0	69	327	0	0	0	0	0	0	0
1900	48	0	42	0	54	0	50	0	0	0	0	0	33	0	51	17	24	0	49	355	26	0	42	355	23	0	40	1	0	0	0	0	0	0	0
2000	46	0	38	0	58	0	55	0	0	0	0	0	32	0	55	18	25	0	67	8	33	0	44	20	28	0	41	17	0	0	0	0	0	0	0
2100	37	0	30	0	44	0	42	0	0	0	0	0	19	0	40	343	8	3	35	334	9	0	16	355	5	0	12	354	0	0	0	0	0	0	0
2200	37	0	33	0	60	0	62	0	0	0	0	0	51	0	83	35	46	0	80	21	44	0	49	40	40	0	46	30	0	0	0	0	0	0	0
2300	44	0	36	0	62	0	64	0	0	0	0	0	82	0	91	74	78	0	92	53	54	0	61	49	54	0	60	50	0	0	0	0	0	0	0
2400	22	0	18	0	37	0	42	0	0	0	0	0	48	3	106	316	43	3	122	306	51	0	64	35	49	0	62	30	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	750	0	747	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	739	0	736	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	732	0	729	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	729	0	725	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	718	0	716	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	718	0	716	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	727	0	723	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	739	0	738	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	766	0	765	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	819	0	819	0	315	2	315	2	320	0	320	0	-41	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	822	0	822	0	315	2	315	2	320	0	320	0	-43	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	815	0	813	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	770	0	768	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	738	0	734	0	315	2	315	2	320	0	320	0	5	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	736	0	734	0	315	2	315	2	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	723	0	721	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	712	0	709	0	315	2	315	2	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	703	0	700	0	315	2	315	2	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	44	0	37	0	63	0	59	0	0	0	0	0	5	0	26	329	353	0	23	316	10	0	33	345	5	0	20	340	0	0	0	0	0	0
200	36	0	28	0	70	0	69	0	0	0	0	0	43	0	75	28	39	3	71	21	42	0	47	36	39	0	43	31	0	0	0	0	0	0
300	52	0	47	0	71	0	84	0	0	0	0	0	81	0	98	72	78	0	101	66	61	0	66	57	61	0	64	58	0	0	0	0	0	0
400	18	0	11	0	26	0	26	0	0	0	0	0	205	0	262	125	195	3	261	113	93	3	142	75	93	3	166	75	0	0	0	0	0	0
500	24	0	18	0	23	0	21	0	0	0	0	0	230	0	257	186	224	5	250	171	204	0	246	163	203	0	244	164	0	0	0	0	0	0
600	27	0	20	0	46	0	45	0	0	0	0	0	140	0	210	101	138	5	205	101	149	0	192	117	151	0	187	122	0	0	0	0	0	0
700	49	0	39	0	74	0	76	0	0	0	0	0	116	0	121	108	116	0	134	91	127	0	132	123	130	0	136	126	0	0	0	0	0	0
800	28	0	23	0	28	0	27	0	0	0	0	0	222	0	266	98	225	3	269	92	193	0	267	90	190	0	267	90	0	0	0	0	0	0
900	29	0	24	0	36	0	32	0	0	0	0	0	247	0	324	184	245	3	340	185	221	0	265	141	219	0	266	160	0	0	0	0	0	0
1000	53	0	48	0	40	0	42	0	0	0	0	0	264	0	287	223	259	0	279	204	246	0	273	215	245	0	262	219	0	0	0	0	0	0
1100	38	0	35	0	42	0	43	0	0	0	0	0	307	0	6	273	298	0	331	237	294	0	322	256	288	0	312	258	0	0	0	0	0	0
1200	36	0	32	0	43	0	44	0	0	0	0	0	309	0	356	255	301	0	355	239	316	0	356	284	310	0	355	269	0	0	0	0	0	0
1300	49	0	45	0	61	0	65	0	0	0	0	0	291	0	335	242	286	0	352	214	291	0	328	247	286	0	316	247	0	0	0	0	0	0
1400	78	0	70	0	93	0	98	0	0	0	0	0	301	0	330	265	296	0	338	244	298	0	317	281	293	0	303	272	0	0	0	0	0	0
1500	80	0	76	0	92	0	96	0	0	0	0	0	276	0	347	247	270	0	322	217	277	0	332	247	274	0	309	246	0	0	0	0	0	0
1600	62	0	62	0	74	0	80	0	0	0	0	0	296	0	346	225	292	0	359	220	299	0	338	266	294	0	321	266	0	0	0	0	0	0
1700	49	0	47	0	61	0	62	0	0	0	0	0	326	0	10	273	321	0	34	271	329	0	14	289	325	0	6	276	0	0	0	0	0	0
1800	41	0	38	0	50	0	51	0	0	0	0	0	320	0	355	242	313	0	352	251	318	0	352	282	313	0	349	280	0	0	0	0	0	0
1900	57	0	55	0	73	0	77	0	0	0	0	0	287	0	332	244	283	0	339	225	291	0	330	249	286	0	321	239	0	0	0	0	0	0
2000	59	0	53	0	71	0	75	0	0	0	0	0	302	0	344	266	294	0	340	247	301	0	315	276	295	0	314	268	0	0	0	0	0	0
2100	81	0	80	0	99	0	103	0	0	0	0	0	319	0	351	290	310	0	337	281	315	0	330	299	309	0	320	293	0	0	0	0	0	0
2200	58	0	57	0	77	0	82	0	0	0	0	0	314	0	349	280	310	0	338	267	312	0	334	284	306	0	329	278	0	0	0	0	0	0
2300	59	0	55	0	65	0	67	0	0	0	0	0	317	0	347	276	310	0	353	272	316	0	333	305	311	0	339	298	0	0	0	0	0	0
2400	30	0	29	0	40	0	42	0	0	0	0	0	339	3	29	272	333	3	34	290	331	0	2	304	327	0	357	298	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	718	0	714	0	315	2	315	2	320	0	320	0	23	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	702	0	700	0	315	2	315	2	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	693	0	689	0	315	2	315	2	320	0	320	0	45	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	684	0	680	0	315	2	315	2	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	691	0	685	0	315	2	315	2	320	0	320	0	22	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	703	0	700	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	666	0	662	0	315	2	315	2	320	0	320	0	68	0	70	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	718	0	718	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	786	0	790	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	781	0	781	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	788	0	788	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	784	0	784	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	766	0	763	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	765	0	761	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	765	0	759	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	761	0	756	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	759	0	754	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	747	0	739	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	736	0	730	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	729	0	723	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	730	0	723	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	725	0	720	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	721	0	716	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	716	0	709	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CO(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	41	0	36	0	58	0	59	0	0	0	0	0	352	0	39	321	341	0	46	292	345	0	13	335	341	0	10	329	0	0	0	0	.0	0
200	45	0	38	0	58	0	59	0	0	0	0	0	322	0	15	280	318	0	1	274	321	0	359	275	317	0	357	272	0	0	0	0	0	0
300	40	0	35	0	52	0	55	0	0	0	0	0	315	0	7	273	307	0	350	249	306	0	328	285	301	0	314	279	0	0	0	0	0	0
400	27	0	24	0	32	0	39	0	0	0	0	0	280	0	351	206	277	3	341	203	282	0	320	211	281	0	322	221	0	0	0	0	0	0
500	91	0	88	0	118	0	123	0	0	0	0	0	307	0	342	278	301	0	336	270	308	0	323	290	303	0	323	290	0	0	0	0	0	0
600	71	0	66	0	104	0	104	0	0	0	0	0	326	0	41	273	319	0	22	271	329	0	0	270	323	0	6	273	0	0	0	0	0	0
700	80	0	77	0	122	0	120	0	0	0	0	0	348	0	47	278	336	0	45	273	342	0	5	318	339	0	5	322	0	0	0	0	0	0
800	56	0	52	0	82	0	84	0	0	0	0	0	330	0	133	273	320	0	21	270	332	0	14	292	328	0	358	298	0	0	0	0	0	0
900	49	0	44	0	65	0	68	0	0	0	0	0	328	0	25	276	324	0	46	274	334	0	3	296	330	0	357	295	0	0	0	0	0	0
1000	52	0	49	0	56	0	59	0	0	0	0	0	309	0	351	258	303	0	348	269	308	0	335	293	303	0	339	279	0	0	0	0	0	0
1100	80	0	76	0	90	0	99	0	0	0	0	0	304	0	355	275	299	0	350	259	299	0	327	267	292	0	307	266	0	0	0	0	0	0
1200	90	0	83	0	107	0	114	0	0	0	0	0	305	0	343	278	296	0	332	246	306	0	318	292	299	0	309	283	0	0	0	0	0	0
1300	90	0	83	0	118	0	119	0	0	0	0	0	309	0	2	279	302	0	343	248	316	0	344	302	309	0	340	281	0	0	0	0	0	0
1400	87	0	79	0	118	0	117	0	0	0	0	0	334	0	23	295	327	0	19	277	335	0	1	277	329	0	353	278	0	0	0	0	0	0
1500	94	0	86	0	114	0	113	0	0	0	0	0	336	0	10	294	329	0	29	284	338	0	1	308	333	0	357	298	0	0	0	0	0	0
1600	102	0	95	0	132	0	134	0	0	0	0	0	329	0	13	279	320	0	359	234	330	0	4	308	326	0	347	296	0	0	0	0	0	0
1700	105	0	102	0	143	0	143	0	0	0	0	0	30	0	71	334	23	0	70	305	13	0	42	326	7	0	33	336	0	0	0	0	0	0
1800	117	0	112	0	169	0	167	0	0	0	0	0	26	0	60	330	20	0	113	315	11	0	46	330	6	0	41	331	0	0	0	0	0	0
1900	117	0	108	0	166	0	163	0	0	0	0	0	29	0	66	342	22	0	71	315	17	0	46	344	12	0	50	340	0	0	0	0	0	0
2000	134	0	122	0	202	0	197	0	0	0	0	0	26	0	61	343	23	0	94	337	10	0	45	332	5	0	38	334	0	0	0	0	0	0
2100	136	0	131	0	193	0	188	0	0	0	0	0	30	0	66	349	21	0	84	315	17	0	55	343	10	0	35	332	0	0	0	0	0	0
2200	118	0	114	0	161	0	162	0	0	0	0	0	39	0	75	19	32	0	91	358	29	0	57	359	26	0	51	359	0	0	0	0	0	0
2300	103	0	109	0	147	0	154	0	0	0	0	0	52	0	83	25	49	0	114	12	44	0	72	24	41	0	68	18	0	0	0	0	0	0
2400	71	0	73	0	99	0	116	0	0	0	0	0	57	0	84	32	55	0	91	22	50	0	66	26	50	0	70	28	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	720	0	714	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	718	0	712	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	712	0	705	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	712	0	705	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	720	0	714	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	716	0	709	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	716	0	711	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	725	0	720	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	748	0	743	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	761	0	756	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	761	0	761	0	315	2	315	2	320	0	320	0	-41	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	770	0	766	0	315	2	315	2	320	0	320	0	-58	0	-58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	765	0	761	0	315	2	315	2	320	0	320	0	-49	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	766	0	763	0	315	2	315	2	320	0	320	0	-50	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	759	0	754	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	747	0	741	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	707	0	702	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	703	0	698	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	691	0	685	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	680	0	675	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	673	0	667	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	669	0	664	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	662	0	655	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	639	0	631	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN -	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	75	0	75	0	112	0	112	0	0	0	0	0	46	0	101	11	39	0	85	327	35	0	62	342	33	0	61	341	0	0	0	0	0	0
200	95	0	94	0	138	0	138	0	0	0	0	0	39	0	85	19	31	0	84	327	29	0	66	353	25	0	59	355	0	0	0	0	0	0
300	86	0	86	0	123	0	127	0	0	0	0	0	50	0	80	5	46	0	93	4	39	0	66	14	35	0	76	1	0	0	0	0	0	0
400	72	0	75	0	104	0	118	0	0	0	0	0	59	0	95	32	50	0	82	11	48	0	76	23	45	0	66	17	0	0	0	0	0	0
500	61	0	64	0	84	0	94	0	0	0	0	0	53	0	78	32	49	0	93	13	46	0	75	8	45	0	68	21	0	0	0	0	0	0
600	63	0	68	0	91	0	108	0	0	0	0	0	56	0	78	36	50	0	79	26	48	0	73	27	47	0	71	24	0	0	0	0	0	0
700	47	0	49	0	61	0	71	0	0	0	0	0	53	0	86	31	48	0	104	16	47	0	71	24	46	0	78	26	0	0	0	0	0	0
800	56	0	58	0	66	0	79	0	0	0	0	0	65	0	93	26	61	0	114	14	57	0	84	33	56	0	84	28	0	0	0	0	0	0
900	69	0	64	0	78	0	87	0	0	0	0	0	87	0	116	59	83	0	127	37	77	0	108	48	78	0	110	52	0	0	0	0	0	0
1000	53	0	45	0	64	0	67	0	0	0	0	0	16	0	111	307	11	0	125	292	20	0	75	334	16	0	170	316	0	0	0	0	0	0
1100	44	0	44	0	79	0	80	0	0	0	0	0	15	0	101	272	5	0	91	284	8	0	62	313	0	0	51	301	0	0	0	0	0	0
1200	62	0	57	0	100	0	101	0	0	0	0	0	13	0	89	308	6	0	106	288	5	0	47	304	359	0	52	315	0	0	0	0	0	0
1300	81	0	76	0	122	0	124	0	0	0	0	0	25	0	92	326	18	0	121	317	12	0	76	334	6	0	111	304	0	0	0	0	0	0
1400	72	0	68	0	112	0	111	0	0	0	0	0	17	0	177	291	12	0	102	294	6	0	47	311	1	0	44	310	0	0	0	0	0	0
1500	71	0	64	0	112	0	111	0	0	0	0	0	356	0	48	275	349	0	71	273	354	0	63	312	347	0	25	306	0	0	0	0	0	0
1600	80	0	76	0	126	0	125	0	0	0	0	0	24	0	78	336	17	0	92	306	7	0	82	317	1	0	43	318	0	0	0	0	0	0
1700	93	0	89	0	126	0	124	0	0	0	0	0	31	0	73	3	24	0	75	339	13	0	52	341	8	0	41	336	0	0	0	0	0	0
1800	115	0	112	0	148	0	146	0	0	0	0	0	35	0	74	0	29	0	83	355	23	0	49	348	20	0	53	352	0	0	0	0	0	0
1900	107	0	101	0	159	0	158	0	0	0	0	0	38	0	64	10	31	0	71	352	31	0	52	8	28	0	55	1	0	0	0	0	0	0
2000	84	0	82	0	116	0	117	0	0	0	0	0	45	0	77	22	39	0	74	350	36	0	57	20	33	0	61	10	0	0	0	0	0	0
2100	50	0	53	0	82	0	95	0	0	0	0	0	56	0	81	27	51	0	80	15	48	0	61	26	45	0	62	17	0	0	0	0	0	0
2200	82	0	81	0	145	0	145	0	0	0	0	0	102	0	116	91	100	0	125	72	94	0	99	86	95	0	100	86	0	0	0	0	0	0
2300	73	0	66	0	132	0	134	0	0	0	0	0	108	0	118	99	107	0	135	82	107	0	114	102	108	0	117	102	0	0	0	0	0	0
2400	77	0	71	0	140	0	143	0	0	0	0	0	111	0	124	101	111	0	129	92	111	0	114	106	113	0	116	109	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	640	0	633	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	651	0	644	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	648	0	640	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	631	0	624	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	613	0	606	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	590	0	583	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	606	0	601	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	653	0	649	0	315	2	315	2	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	682	0	678	0	315	2	315	2	320	0	320	0	-38	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	702	0	698	0	315	2	315	2	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	714	0	711	0	315	2	315	2	320	0	320	0	-45	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	707	0	703	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	711	0	707	0	315	2	315	2	320	0	320	0	-40	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	720	0	716	0	315	2	315	2	320	0	320	0	-40	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	734	0	730	0	315	2	315	2	320	0	320	0	-50	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	727	0	723	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	723	0	718	0	315	2	315	2	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	711	0	705	0	315	2	315	2	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	691	0	685	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	675	0	669	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	657	0	649	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	644	0	637	0	315	2	315	2	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	630	0	622	0	315	2	315	2	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	610	0	603	0	315	2	315	2	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	B	S	WIND DIR2	MIN	MAX	150A	S	WIND DIR3	MIN	MAX	150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	80	0	70	0	132	0	136	0	0	0	0	0	116	0	124	104		117	0	137	97		115	0	117	112		117	0	119	115		0	0	0	0	0	0
200	78	0	67	0	129	0	132	0	0	0	0	0	117	0	122	103		118	0	135	93		113	0	115	111		114	0	116	112		0	0	0	0	0	0
300	88	0	77	0	140	0	144	0	0	0	0	0	119	0	125	113		120	0	147	93		118	0	120	114		119	0	123	116		0	0	0	0	0	0
400	76	0	68	0	119	0	122	0	0	0	0	0	117	0	121	110		117	0	135	93		116	0	117	114		118	0	120	116		0	0	0	0	0	0
500	66	0	58	0	103	0	105	0	0	0	0	0	112	0	118	104		111	0	126	93		109	0	114	106		111	0	116	108		0	0	0	0	0	0
600	72	0	62	0	127	0	130	0	0	0	0	0	116	0	123	107		117	0	140	92		117	0	126	114		119	0	123	115		0	0	0	0	0	0
700	69	0	59	0	122	0	128	0	0	0	0	0	115	0	124	104		117	0	147	83		120	0	125	114		122	0	127	119		0	0	0	0	0	0
800	70	0	69	0	89	0	93	0	0	0	0	0	114	0	148	86		117	0	160	81		118	0	154	95		120	0	148	99		0	0	0	0	0	0
900	106	0	103	0	152	0	154	0	0	0	0	0	132	0	171	92		132	0	169	65		135	0	174	114		137	0	167	113		0	0	0	0	0	0
1000	81	0	79	0	108	0	113	0	0	0	0	0	128	0	254	91		127	0	202	92		128	0	159	100		130	0	163	99		0	0	0	0	0	0
1100	99	0	93	0	129	0	128	0	0	0	0	0	119	0	170	57		119	0	179	47		121	0	149	85		123	0	173	78		0	0	0	0	0	0
1200	77	0	73	0	93	0	95	0	0	0	0	0	119	0	155	70		120	0	163	47		121	0	160	56		122	0	155	76		0	0	0	0	0	0
1300	73	0	71	0	110	0	111	0	0	0	0	0	136	0	217	93		137	0	213	90.		139	0	193	91		141	0	185	93		0	0	0	0	0	0
1400	86	0	83	0	115	0	119	0	0	0	0	0	127	0	177	75		126	0	169	28		128	0	155	82		131	0	172	81		0	0	0	0	0	0
1500	92	0	91	0	141	0	144	0	0	0	0	0	131	0	175	40		130	0	179	17		138	0	172	73		142	0	179	84		0	0	0	0	0	0
1600	95	0	91	0	121	0	125	0	0	0	0	0	133	0	238	96		136	0	224	93		133	0	175	93		136	0	184	97		0	0	0	0	0	0
1700	100	0	96	0	127	0	134	0	0	0	0	0	131	0	229	102		132	0	222	96		130	0	168	102		132	0	166	104		0	0	0	0	0	0
1800	63	0	63	0	92	0	95	0	0	0	0	0	128	0	173	69		132	0	199	91		133	0	162	105		136	0	166	103		0	0	0	0	0	0
1900	59	0	58	0	86	0	91	0	0	0	0	0	126	0	156	100		128	0	161	89		131	0	150	119		134	0	149	118		0	0	0	0	0	0
2000	69	0	69	0	123	0	126	0	0	0	0	0	128	0	143	112		132	0	152	104		134	0	146	116		137	0	145	126		0	0	0	0	0	0
2100	78	0	73	0	124	0	131	0	0	0	0	0	125	0	192	111		126	0	148	112		131	0	139	121		133	0	143	126		0	0	0	0	0	0
2200	73	0	75	0	160	0	163	0	0	0	0	0	131	0	164	110		133	0	179	91		140	0	154	130		143	0	155	134		0	0	0	0	0	0
2300	73	0	77	0	151	0	157	0	0	0	0	0	130	0	173	104		129	0	159	93		139	0	148	134		142	0	149	133		0	0	0	0	0	0
2400	76	0	75	0	158	0	162	0	0	0	0	0	130	0	164	71		133	0	171	82		143	0	152	135		145	0	154	134		0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	601	0	594	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	577	0	570	0	315	2	315	2	320	0	320	0	36	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	576	0	570	0	315	2	315	2	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	567	0	559	0	315	2	315	2	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	558	0	550	0	315	2	315	2	320	0	320	0	29	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	534	0	527	0	315	2	315	2	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	558	0	554	0	315	2	315	2	320	0	320	0	22	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	612	0	612	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	657	0	653	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	682	0	678	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	720	0	716	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	748	0	745	0	315	2	315	2	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	774	0	772	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	777	0	774	0	315	2	315	2	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	790	0	786	0	315	2	315	2	320	0	320	0	-31	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	790	0	786	0	315	2	315	2	320	0	320	0	-22	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	790	0	786	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	783	0	777	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	747	0	739	0	313	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	712	0	705	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	684	0	676	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	658	0	653	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	635	0	630	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	621	0	613	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	63	0	61	0	119	0	125	0	0	0	0	0	131	0	175	16	133	0	169	59	144	0	162	127	147	0	175	131	0	0	0	0	0	0
200	70	0	68	0	152	0	159	0	0	0	0	0	131	0	163	97	132	0	172	93	148	0	157	138	151	0	160	134	0	0	0	0	0	0
300	89	0	84	0	176	0	183	0	0	0	0	0	133	0	233	112	130	0	179	93	148	0	159	139	151	0	160	138	0	0	0	0	0	0
400	90	0	79	0	193	0	200	0	0	0	0	0	132	0	166	25	133	0	172	81	155	0	166	134	158	0	168	149	0	0	0	0	0	0
500	66	0	63	0	153	0	159	0	0	0	0	0	132	0	170	76	135	0	182	100	153	0	159	141	156	0	169	140	0	0	0	0	0	0
600	72	0	69	0	157	0	167	0	0	0	0	0	133	0	168	316	140	0	203	101	158	0	171	147	161	0	168	149	0	0	0	0	0	0
700	75	0	73	0	156	0	158	0	0	0	0	0	143	0	256	93	143	0	193	91	162	0	183	146	165	0	189	145	0	0	0	0	0	0
800	68	0	60	0	144	0	136	0	0	0	0	0	151	0	250	97	150	0	250	91	167	0	192	145	169	0	190	144	0	0	0	0	0	0
900	61	0	56	0	115	0	107	0	0	0	0	0	177	0	269	101	165	0	242	91	174	0	213	144	176	0	206	148	0	0	0	0	0	0
1000	58	0	50	0	87	0	75	0	0	0	0	0	199	0	269	90	199	0	260	105	186	0	229	141	188	0	224	133	0	0	0	0	0	0
1100	73	0	67	0	94	0	101	0	0	0	0	0	250	0	280	213	246	0	311	191	238	0	282	212	235	0	272	209	0	0	0	0	0	0
1200	77	0	71	0	78	0	85	0	0	0	0	0	262	0	303	222	258	0	310	198	249	0	279	206	247	0	278	201	0	0	0	0	0	0
1300	81	0	79	0	96	0	102	0	0	0	0	0	263	0	291	234	260	0	306	214	262	0	296	236	260	0	291	233	0	0	0	0	0	0
1400	84	0	81	0	106	0	113	0	0	0	0	0	269	0	298	235	263	0	306	222	265	0	296	240	263	0	301	233	0	0	0	0	0	0
1500	69	0	66	0	79	0	85	0	0	0	0	0	269	0	295	233	261	0	332	224	254	0	282	214	251	0	278	185	0	0	0	0	0	0
1600	66	0	59	0	75	0	80	0	0	0	0	0	265	0	305	197	260	0	301	200	269	0	302	225	263	0	323	232	0	0	0	0	0	0
1700	55	0	52	0	69	0	74	0	0	0	0	0	256	0	293	220	251	0	305	202	245	0	291	208	243	0	269	206	0	0	0	0	0	0
1800	44	0	36	0	75	0	67	0	0	0	0	0	217	0	265	124	219	0	262	138	211	0	238	180	211	0	256	179	0	0	0	0	0	0
1900	54	0	41	0	93	0	83	0	0	0	0	0	213	0	247	149	210	0	267	113	209	0	228	189	210	0	227	196	0	0	0	0	0	0
2000	45	0	33	0	114	0	100	0	0	0	0	0	203	0	258	145	202	0	269	135	199	0	214	174	200	0	214	176	0	0	0	0	0	0
2100	53	0	38	0	122	0	105	0	0	0	0	0	207	0	258	146	202	0	261	124	202	0	227	166	203	0	224	176	0	0	0	0	0	0
2200	46	0	35	0	112	0	95	0	0	0	0	0	193	0	258	121	188	0	254	92	189	0	211	154	191	0	212	169	0	0	0	0	0	0
2300	51	0	43	0	122	0	104	0	0	0	0	0	202	0	263	133	193	0	269	127	195	0	229	171	195	0	229	163	0	0	0	0	0	0
2400	60	0	47	0	120	0	103	0	0	0	0	0	209	0	250	151	204	0	254	93	202	0	228	172	202	0	225	168	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	610	0	603	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	595	0	588	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	583	0	577	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	574	0	568	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	567	0	559	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	559	0	552	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	588	0	583	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	646	0	642	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	698	0	693	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	741	0	738	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	766	0	763	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	761	0	757	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	781	0	775	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	793	0	788	0	315	2	315	2	320	0	320	0	-34	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	804	0	801	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	808	0	802	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	783	0	777	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	801	0	795	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	777	0	772	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	756	0	748	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	745	0	739	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	736	0	730	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	738	0	732	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	738	0	732	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	59	0	44	0	114	0	104	0	0	0	0	0	216	0	267	144	211	0	261	111	211	0	231	178	211	0	232	183	0	0	0	0	0	0
200	129	0	125	0	193	0	204	0	0	0	0	0	259	0	286	233	254	0	299	205	255	0	275	231	253	0	273	231	0	0	0	0	0	0
300	45	0	31	0	104	0	91	0	0	0	0	0	209	0	266	145	196	0	246	125	200	0	216	188	199	0	217	184	0	0	0	0	0	0
400	84	0	73	0	129	0	130	0	0	0	0	0	233	0	273	199	230	0	296	183	224	0	255	198	222	0	251	196	0	0	0	0	0	0
500	107	0	103	0	151	0	161	0	0	0	0	0	250	0	277	221	245	0	272	195	244	0	259	228	242	0	256	218	0	0	0	0	0	0
600	124	0	121	0	174	0	180	0	0	0	0	0	293	0	318	260	285	0	328	236	300	0	321	248	293	0	307	256	0	0	0	0	0	0
700	101	0	94	0	161	0	163	0	0	0	0	0	332	0	10	283	326	0	66	281	337	0	11	306	330	0	4	298	0	0	0	0	0	0
800	91	0	84	0	130	0	129	0	0	0	0	0	347	0	25	298	338	0	49	292	354	0	15	326	349	0	21	334	0	0	0	0	0	0
900	73	0	69	0	108	0	108	0	0	0	0	0	340	0	52	284	330	0	16	273	338	0	10	284	331	0	356	296	0	0	0	0	0	0
1000	57	0	53	0	66	0	67	0	0	0	0	0	303	0	356	249	296	0	341	237	315	0	342	289	307	0	339	279	0	0	0	0	0	0
1100	70	0	65	0	88	0	92	0	0	0	0	0	302	0	336	266	294	0	356	248	303	0	318	290	296	0	314	278	0	0	0	0	0	0
1200	77	0	73	0	79	0	83	0	0	0	0	0	267	0	315	234	262	0	304	217	267	0	278	251	262	0	284	240	0	0	0	0	0	0
1300	83	0	80	0	72	0	78	0	0	0	0	0	253	0	282	228	249	0	276	226	247	0	260	230	243	0	260	223	0	0	0	0	0	0
1400	93	0	88	0	94	0	100	0	0	0	0	0	249	0	275	223	245	0	278	207	250	0	294	234	247	0	275	233	0	0	0	0	0	0
1500	61	0	56	0	60	0	66	0	0	0	0	0	262	0	332	203	255	0	313	199	252	0	294	202	248	0	283	200	0	0	0	0	0	0
1600	62	0	52	0	87	0	91	0	0	0	0	0	299	0	353	271	291	0	341	251	303	0	317	292	296	0	320	286	0	0	0	0	0	0
1700	122	0	117	0	180	0	176	0	0	0	0	0	331	0	5	283	326	0	26	286	338	0	2	309	332	0	357	280	0	0	0	0	0	0
1800	81	0	73	0	135	0	129	0	0	0	0	0	352	0	71	299	340	0	69	281	355	0	28	326	350	0	39	311	0	0	0	0	0	0
1900	82	0	74	0	134	0	131	0	0	0	0	0	352	0	48	305	341	0	57	285	355	0	21	328	348	0	25	320	0	0	0	0	0	0
2000	110	0	97	0	176	0	171	0	0	0	0	0	1	0	59	317	355	0	90	282	358	0	48	327	352	0	25	314	0	0	0	0	0	0
2100	106	0	93	0	177	0	168	0	0	0	0	0	353	0	68	277	348	0	46	292	355	0	25	302	349	0	25	293	0	0	0	0	0	0
2200	84	0	73	0	145	0	142	0	0	0	0	0	5	0	73	278	358	0	83	283	358	0	39	310	352	0	42	302	0	0	0	0	0	0
2300	150	0	138	0	225	0	227	0	0	0	0	0	348	0	21	300	337	0	25	288	344	0	8	319	337	0	359	314	0	0	0	0	0	0
2400	132	0	128	0	202	0	200	0	0	0	0	0	340	0	14	286	330	0	23	282	338	0	357	297	332	0	2	295	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	736	0	730	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	696	0	691	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	698	0	693	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	716	0	712	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	712	0	707	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	700	0	694	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	691	0	685	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	693	0	687	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	714	0	709	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	732	0	727	0	315	2	315	2	320	0	320	0	-38	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	738	0	732	0	315	2	315	2	320	0	320	0	-49	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	745	0	739	0	315	2	315	2	320	0	320	0	-29	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	741	0	736	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	745	0	739	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	775	0	772	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	801	0	797	0	315	2	315	2	320	0	320	0	-52	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	766	0	759	0	315	2	315	2	320	0	320	0	-32	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	743	0	738	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	718	0	712	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	703	0	698	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	693	0	687	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	682	0	675	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	682	0	676	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	675	0	669	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	101	0	96	0	141	0	136	0	0	0	0	0	34	0	68	1	27	0	127	340	20	0	40	2	16	0	36	356	0	0	0	0	0	0
200	110	0	105	0	151	0	151	0	0	0	0	0	35	0	66	12	26	0	78	330	26	0	51	355	19	0	47	350	0	0	0	0	0	0
300	80	0	76	0	115	0	119	0	0	0	0	0	47	0	81	22	41	0	109	12	36	0	79	7	32	0	61	2	0	0	0	0	0	0
400	107	0	100	0	143	0	144	0	0	0	0	0	40	0	82	15	33	0	81	1	30	0	74	357	25	0	67	353	0	0	0	0	0	0
500	101	0	103	0	139	0	148	0	0	0	0	0	49	0	81	23	40	0	81	0	41	0	69	9	38	0	64	4	0	0	0	0	0	0
600	79	0	77	0	109	0	116	0	0	0	0	0	53	0	81	28	48	0	95	16	41	0	68	21	38	0	62	16	0	0	0	0	0	0
700	93	0	97	0	118	0	130	0	0	0	0	0	51	0	92	27	47	0	92	0	43	0	71	12	40	0	72	10	0	0	0	0	0	0
800	139	0	132	0	173	0	174	0	0	0	0	0	37	0	84	12	30	0	82	0	31	0	68	3	26	0	59	4	0	0	0	0	0	0
900	121	0	116	0	163	0	159	0	0	0	0	0	30	0	70	335	21	0	90	339	19	0	56	347	16	0	69	347	0	0	0	0	0	0
1000	119	0	112	0	168	0	165	0	0	0	0	0	24	0	67	342	18	0	69	318	13	0	43	326	9	0	49	318	0	0	0	0	0	0
1100	128	0	126	0	181	0	176	0	0	0	0	0	25	0	57	358	19	0	86	326	13	0	42	281	9	0	38	331	0	0	0	0	0	0
1200	76	0	69	0	107	0	110	0	0	0	0	0	21	0	155	297	12	0	117	292	4	0	45	322	359	0	51	312	0	0	0	0	0	0
1300	84	0	75	0	121	0	120	0	0	0	0	0	3	0	98	291	351	0	172	292	359	0	44	310	354	0	36	312	0	0	0	0	0	0
1400	65	0	61	0	102	0	102	0	0	0	0	0	10	0	159	273	7	0	150	285	359	0	43	302	353	0	99	279	0	0	0	0	0	0
1500	92	0	86	0	135	0	133	0	0	0	0	0	352	0	53	292	344	0	129	274	357	0	31	303	351	0	36	309	0	0	0	0	0	0
1600	64	0	59	0	110	0	110	0	0	0	0	0	2	0	94	293	353	0	138	271	354	0	84	300	349	0	74	284	0	0	0	0	0	0
1700	86	0	82	0	132	0	129	0	0	0	0	0	29	0	162	276	16	0	91	294	13	0	60	320	6	0	62	301	0	0	0	0	0	0
1800	93	0	91	0	142	0	139	0	0	0	0	0	26	0	62	350	20	0	139	320	15	0	44	327	9	0	36	328	0	0	0	0	0	0
1900	111	0	107	0	152	0	151	0	0	0	0	0	29	0	56	348	23	0	73	331	17	0	57	337	12	0	59	333	0	0	0	0	0	0
2000	106	0	102	0	155	0	152	0	0	0	0	0	30	0	68	15	23	0	102	353	18	0	58	352	14	0	45	340	0	0	0	0	0	0
2100	101	0	102	0	143	0	142	0	0	0	0	0	37	0	69	18	31	0	80	0	26	0	60	0	22	0	54	358	0	0	0	0	0	0
2200	88	0	88	0	127	0	125	0	0	0	0	0	40	0	69	19	34	0	80	353	31	0	51	9	26	0	46	358	0	0	0	0	0	0
2300	67	0	74	0	102	0	107	0	0	0	0	0	54	0	77	35	49	0	115	5	42	0	65	17	37	0	67	16	0	0	0	0	0	0
2400	66	0	73	0	104	0	111	0	0	0	0	0	54	0	83	28	47	0	83	24	44	0	62	25	40	0	56	15	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN	S
100	666	0	658	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	662	0	657	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	646	0	639	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	640	0	633	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	624	0	619	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	615	0	608	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	633	0	628	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	646	0	640	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	653	0	648	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	651	0	646	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	653	0	648	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	675	0	671	0	315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	684	0	682	0	315	2	315	2	320	0	320	0	-43	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	698	0	696	0	315	2	315	2	320	0	320	0	-47	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	692	0	678	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	671	0	667	0	315	2	315	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	671	0	667	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	649	0	644	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	633	0	626	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	621	0	615	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	615	0	612	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	610	0	604	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	585	0	577	0	315	2	315	2	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	563	0	556	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	62	0	70	0	100	0	117	0	0	0	0	0	68	0	92	44	66	0	104	29	58	0	80	45	57	0	83	34	0	0	0	0	0	0
200	69	0	68	0	112	0	120	0	0	0	0	0	90	0	106	73	88	0	129	61	75	0	88	62	75	0	89	60	0	0	0	0	0	0
300	80	0	80	0	141	0	137	0	0	0	0	0	100	0	113	88	98	0	129	68	84	0	88	80	84	0	88	78	0	0	0	0	0	0
400	79	0	80	0	135	0	134	0	0	0	0	0	101	0	114	85	99	0	117	82	93	0	95	90	93	0	95	91	0	0	0	0	0	0
500	78	0	78	0	115	0	115	0	0	0	0	0	107	0	113	97	105	0	115	94	103	0	104	102	103	0	105	101	0	0	0	0	0	0
600	79	0	77	0	122	0	123	0	0	0	0	0	116	0	122	111	118	0	129	103	111	0	114	108	112	0	115	108	0	0	0	0	0	0
700	73	0	68	0	123	0	126	0	0	0	0	0	115	0	122	100	118	0	129	94	117	0	121	114	119	0	122	115	0	0	0	0	0	0
800	60	0	64	0	82	0	83	0	0	0	0	0	118	0	173	12	122	0	159	82	139	0	156	117	142	0	156	119	0	0	0	0	0	0
900	35	0	37	0	60	0	60	0	0	0	0	0	143	0	258	90	138	0	251	91	158	0	187	113	161	0	204	123	0	0	0	0	0	0
1000	57	0	57	0	58	0	61	0	0	0	0	0	263	0	297	219	258	0	301	184	256	0	286	209	251	0	274	210	0	0	0	0	0	0
1100	67	0	65	0	80	0	82	0	0	0	0	0	304	0	340	264	296	0	339	252	304	0	325	285	298	0	313	280	0	0	0	0	0	0
1200	60	0	62	0	81	0	83	0	0	0	0	0	321	0	13	277	315	0	2	272	325	0	351	267	319	0	345	274	0	0	0	0	0	0
1300	77	0	74	0	94	0	96	0	0	0	0	0	334	0	30	278	325	0	16	271	334	0	357	293	328	0	355	296	0	0	0	0	0	0
1400	76	0	79	0	104	0	105	0	0	0	0	0	340	0	27	289	332	0	27	283	346	0	32	303	339	0	10	306	0	0	0	0	0	0
1500	59	0	55	0	86	0	84	0	0	0	0	0	342	0	129	273	347	0	161	283	350	0	27	306	345	0	89	306	0	0	0	0	0	0
1600	55	0	56	0	85	0	85	0	0	0	0	0	3	0	134	282	358	0	140	271	359	0	87	301	351	0	60	275	0	0	0	0	0	0
1700	51	0	54	0	88	0	90	0	0	0	0	0	19	0	148	316	17	0	133	302	6	0	59	318	1	0	62	313	0	0	0	0	0	0
1800	61	0	62	0	92	0	89	0	0	0	0	0	25	0	76	325	17	0	96	293	12	0	50	338	6	0	56	316	0	0	0	0	0	0
1900	59	0	62	0	94	0	95	0	0	0	0	0	44	0	75	23	40	0	93	5	33	0	66	6	30	0	54	7	0	0	0	0	0	0
2000	48	0	55	0	85	0	90	0	0	0	0	0	57	0	79	37	51	0	83	25	44	0	53	25	41	0	51	21	0	0	0	0	0	0
2100	48	0	50	0	82	0	91	0	0	0	0	0	79	0	103	65	80	0	107	59	58	0	67	51	58	0	67	50	0	0	0	0	0	0
2200	71	0	72	0	111	0	108	0	0	0	0	0	100	0	114	88	99	0	125	84	82	0	101	73	81	0	89	73	0	0	0	0	0	0
2300	69	0	70	0	118	0	117	0	0	0	0	0	105	0	114	95	106	0	125	87	88	0	93	82	88	0	92	83	0	0	0	0	0	0
2400	78	0	77	0	138	0	137	0	0	0	0	0	111	0	120	104	112	0	136	88	89	0	101	85	88	0	97	86	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	547	0	540	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	541	0	532	0	315	2	315	2	320	0	320	0	16	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	531	0	525	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	523	0	516	0	315	2	315	2	320	0	320	0	25	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	513	0	505	0	315	2	315	2	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	505	0	498	0	315	2	315	2	320	0	320	0	34	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	529	0	523	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	583	0	579	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	664	0	660	0	315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	676	0	671	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	691	0	685	0	315	2	315	2	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	703	0	700	0	315	2	315	2	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	696	0	693	0	315	2	315	2	320	0	320	0	-52	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	714	0	709	0	315	2	315	2	320	0	320	0	-58	0	-58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	720	0	716	0	315	2	315	2	320	0	320	0	-49	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	718	0	714	0	315	2	315	2	320	0	320	0	-45	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	712	0	709	0	315	2	315	2	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	687	0	682	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	662	0	655	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	628	0	621	0	315	2	315	2	320	0	320	0	16	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	604	0	597	0	315	2	315	2	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	603	0	595	0	315	2	315	2	320	0	320	0	11	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	586	0	579	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	572	0	565	0	315	2	315	2	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX D	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6		
100	86	0	82	0	133	0	133	0	0	0	0	0	117	0	121	111	119	0	139	103	102	0	104	99	102	0	104	97	0	0	0	0	0	0
200	85	0	81	0	133	0	133	0	0	0	0	0	120	0	126	116	124	0	136	117	96	0	101	90	76	0	102	90	0	0	0	0	0	0
300	72	0	75	0	118	0	121	0	0	0	0	0	142	0	166	120	143	0	179	124	118	0	130	106	119	0	131	107	0	0	0	0	0	0
400	63	0	63	0	127	0	129	0	0	0	0	0	139	0	227	109	140	0	207	90	141	0	156	132	143	0	158	133	0	0	0	0	0	0
500	42	0	35	0	90	0	75	0	0	0	0	0	208	0	260	95	204	0	239	158	192	0	209	180	190	0	209	179	0	0	0	0	0	0
600	55	0	55	0	128	0	102	0	0	0	0	0	176	0	251	121	166	0	203	135	195	0	209	185	196	0	212	186	0	0	0	0	0	0
700	73	0	62	0	81	0	84	0	0	0	0	0	194	0	227	143	190	0	216	151	223	0	234	211	225	0	232	209	0	0	0	0	0	0
800	26	0	24	0	68	0	61	0	0	0	0	0	163	3	232	90	164	3	238	92	201	0	226	148	204	0	232	154	0	0	0	0	0	0
900	51	0	51	0	68	0	71	0	0	0	0	0	242	0	274	203	238	0	267	173	226	0	265	178	225	0	263	170	0	0	0	0	0	0
1000	54	0	54	0	61	0	66	0	0	0	0	0	247	0	290	222	241	0	300	199	252	0	306	223	250	0	285	198	0	0	0	0	0	0
1100	80	0	82	0	82	0	88	0	0	0	0	0	268	0	302	227	262	0	302	225	264	0	280	228	262	0	281	230	0	0	0	0	0	0
1200	71	0	71	0	77	0	81	0	0	0	0	0	264	0	304	219	261	0	328	232	272	0	325	230	269	0	306	229	0	0	0	0	0	0
1300	60	0	60	0	74	0	78	0	0	0	0	0	300	0	329	261	294	0	346	249	307	0	323	284	301	0	316	276	0	0	0	0	0	0
1400	60	0	61	0	81	0	83	0	0	0	0	0	329	0	16	281	329	0	128	275	332	0	20	292	327	0	358	299	0	0	0	0	0	0
1500	55	0	54	0	76	0	75	0	0	0	0	0	355	0	64	285	346	0	68	278	358	0	41	292	356	0	33	296	0	0	0	0	0	0
1600	41	0	42	0	72	0	72	0	0	0	0	0	6	0	104	280	4	0	170	271	6	0	75	307	4	0	86	318	0	0	0	0	0	0
1700	44	0	46	0	59	0	59	0	0	0	0	0	34	0	95	338	28	0	91	317	25	0	73	355	23	0	76	352	0	0	0	0	0	0
1800	25	0	29	0	37	0	41	0	0	0	0	0	47	3	86	8	43	3	125	1	44	0	79	18	43	0	82	16	0	0	0	0	0	0
1900	48	0	49	0	68	0	67	0	0	0	0	0	98	0	118	80	98	0	118	73	87	0	97	79	88	0	97	79	0	0	0	0	0	0
2000	46	0	45	0	78	0	78	0	0	0	0	0	107	0	123	94	109	0	148	72	96	0	103	87	98	0	105	91	0	0	0	0	0	0
2100	70	0	68	0	102	0	103	0	0	0	0	0	121	0	127	115	125	0	149	106	113	0	115	108	115	0	119	111	0	0	0	0	0	0
2200	54	0	56	0	90	0	93	0	0	0	0	0	136	0	169	25	141	0	182	102	140	0	149	130	143	0	153	133	0	0	0	0	0	0
2300	54	0	57	0	119	0	123	0	0	0	0	0	146	0	203	117	148	0	204	104	151	0	166	142	154	0	165	146	0	0	0	0	0	0
2400	56	0	53	0	133	0	106	0	0	0	0	0	153	0	253	127	149	0	180	114	184	0	190	179	185	0	190	179	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	576	0	568	0	315	2	315	2	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	594	0	586	0	315	2	315	2	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	581	0	574	0	315	2	315	2	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	545	0	538	0	315	2	315	2	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	554	0	547	0	315	2	315	2	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	536	0	529	0	315	2	315	2	320	0	320	0	101	0	101	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	561	0	556	0	315	2	315	2	320	0	320	0	54	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	619	0	615	0	315	2	315	2	320	0	320	0	-2	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	676	0	671	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	687	0	680	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	702	0	696	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	720	0	714	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	757	0	754	0	315	2	315	2	320	0	320	0	-4	2	-4	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	750	0	745	0	315	2	315	2	320	0	320	0	-56	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	738	0	732	0	315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	729	0	723	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	754	0	750	0	315	2	315	2	320	0	320	0	-31	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	720	0	714	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	702	0	693	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	684	0	676	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	673	0	667	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	658	0	651	0	315	2	315	2	320	0	320	0	29	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	639	0	631	0	315	2	315	2	320	0	320	0	52	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	619	0	612	0	315	2	315	2	320	0	320	0	67	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CO[illegible]S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, [illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGRECS, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL[illegible]

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	49	0	47	0	134	0	121	0	0	0	0	0	187	0	253	109	184	0	252	136	204	0	210	196	204	0	212	196	0	0	0	0	0	0
200	67	0	54	0	128	0	119	0	0	0	0	0	202	0	246	163	200	0	241	158	218	0	223	213	220	0	224	213	0	0	0	0	0	0
300	42	0	38	0	134	0	124	0	0	0	0	0	194	0	254	95	191	0	237	135	207	0	211	198	208	0	212	202	0	0	0	0	0	0
400	51	0	51	0	121	0	105	0	0	0	0	0	133	0	159	115	133	0	173	115	175	0	183	169	177	0	185	172	0	0	0	0	0	0
500	58	0	57	0	159	0	124	0	0	0	0	0	162	0	214	128	158	0	207	104	188	0	198	176	189	0	200	179	0	0	0	0	0	0
600	60	0	55	0	158	0	147	0	0	0	0	0	139	0	165	5	138	0	173	92	170	0	180	165	172	0	179	167	0	0	0	0	0	0
700	52	0	50	0	158	0	134	0	0	0	0	0	148	0	259	93	151	0	238	104	181	0	196	167	182	0	194	168	0	0	0	0	0	0
800	45	0	41	0	103	0	90	0	0	0	0	0	174	0	256	95	169	0	263	102	182	0	210	145	182	0	207	154	0	0	0	0	0	0
900	41	0	36	0	83	0	74	0	0	0	0	0	191	0	262	111	188	0	265	109	193	0	252	149	193	0	230	132	0	0	0	0	0	0
1000	63	0	60	0	87	0	89	0	0	0	0	0	246	0	295	187	244	0	325	186	230	0	265	188	227	0	260	195	0	0	0	0	0	0
1100	85	0	86	0	91	0	97	0	0	0	0	0	247	0	291	222	242	0	298	207	251	0	277	231	250	0	275	231	0	0	0	0	0	0
1200	74	0	74	0	73	0	80	0	0	0	0	0	269	0	299	219	266	0	320	226	248	0	286	206	246	0	280	184	0	0	0	0	0	0
1300	73	0	71	0	80	0	84	0	0	0	0	0	308	0	351	273	300	0	352	249	296	0	317	252	289	0	307	250	0	0	0	0	0	0
1400	69	0	69	0	78	0	83	0	0	0	0	0	296	0	345	239	290	0	332	237	294	0	320	233	288	0	314	235	0	0	0	0	0	0
1500	52	0	51	0	62	0	67	0	0	0	0	0	305	0	344	274	295	0	328	239	297	0	332	279	292	0	331	270	0	0	0	0	0	0
1600	45	0	42	0	51	0	54	0	0	0	0	0	266	0	314	229	262	0	319	184	269	0	342	218	264	0	338	220	0	0	0	0	0	0
1700	43	0	38	0	58	0	56	0	0	0	0	0	239	0	303	186	240	0	312	189	216	0	269	160	213	0	254	164	0	0	0	0	0	0
1800	54	0	45	0	107	0	91	0	0	0	0	0	203	0	261	92	200	0	267	92	198	0	241	170	199	0	227	173	0	0	0	0	0	0
1900	60	0	49	0	104	0	90	0	0	0	0	0	222	0	256	175	219	0	259	142	211	0	233	192	211	0	235	194	0	0	0	0	0	0
2000	38	0	32	0	105	0	84	0	0	0	0	0	187	0	250	136	185	0	240	101	193	0	200	175	193	0	207	182	0	0	0	0	0	0
2100	53	0	47	0	128	0	105	0	0	0	0	0	172	0	264	96	166	0	225	105	184	0	194	172	185	0	192	176	0	0	0	0	0	0
2200	61	0	57	0	146	0	122	0	0	0	0	0	173	0	265	92	157	0	206	105	179	0	189	162	181	0	195	166	0	0	0	0	0	0
2300	64	0	53	0	173	0	135	0	0	0	0	0	194	0	260	121	180	0	262	91	191	0	205	178	190	0	206	157	0	0	0	0	0	0
2400	62	0	48	0	156	0	131	0	0	0	0	0	198	0	261	106	185	0	258	95	194	0	226	165	195	0	227	168	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	624	0	617	0	315	2	315	2	320	0	320	0	65	0	67	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	621	0	615	0	315	2	315	2	320	0	320	0	63	0	65	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	617	0	612	0	315	2	315	2	320	0	320	0	67	0	67	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	577	0	572	0	315	2	315	2	320	0	320	0	65	0	65	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	588	0	581	0	315	2	315	2	320	0	320	0	59	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	572	0	565	0	315	2	315	2	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	586	0	581	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	649	0	646	0	315	2	315	2	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	707	0	702	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	734	0	727	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	736	0	729	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	761	0	756	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	784	0	781	0	315	2	315	2	320	0	320	0	-52	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	793	0	788	0	315	2	315	2	320	0	320	0	-52	2	-52	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	801	0	797	0	315	2	315	2	320	0	320	0	-54	2	-52	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	797	0	793	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	806	0	802	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	813	0	810	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	772	0	766	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	734	0	727	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	711	0	703	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	685	0	680	0	315	2	315	2	320	0	320	0	22	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	669	0	664	0	315	2	315	2	320	0	320	0	29	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	664	0	658	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	57	0	49	0	152	0	127	0	0	0	0	0	188	0	268	95		175	0	258	98	191	0	209	164	191	0	211	163	0	0	0	0	0	0
200	82	0	73	0	172	0	142	0	0	0	0	0	190	0	267	127		182	0	249	100	188	0	211	165	189	0	214	161	0	0	0	0	0	0
300	83	0	67	0	179	0	153	0	0	0	0	0	196	0	269	110		188	0	259	91	192	0	230	151	192	0	228	164	0	0	0	0	0	0
400	67	0	52	0	148	0	125	0	0	0	0	0	205	0	269	103		198	0	261	101	199	0	218	179	199	0	213	182	0	0	0	0	0	0
500	53	0	41	0	133	0	115	0	0	0	0	0	207	0	269	131		197	0	261	123	201	0	217	185	201	0	215	180	0	0	0	0	0	0
600	56	0	45	0	131	0	106	0	0	0	0	0	186	0	262	105		179	0	258	97	189	0	209	167	189	0	208	162	0	0	0	0	0	0
700	58	0	45	0	139	0	117	0	0	0	0	0	197	0	265	92		185	0	268	95	194	0	211	180	195	0	210	182	0	0	0	0	0	0
800	56	0	44	0	118	0	100	0	0	0	0	0	206	0	269	90		197	0	248	125	194	0	233	169	194	0	217	143	0	0	0	0	0	0
900	78	0	63	0	104	0	99	0	0	0	0	0	223	0	269	182		219	0	263	174	216	0	257	171	213	0	247	159	0	0	0	0	0	0
1000	60	0	50	0	105	0	92	0	0	0	0	0	214	0	267	100		213	0	269	93	197	0	242	139	198	0	241	129	0	0	0	0	0	0
1100	65	0	54	0	120	0	105	0	0	0	0	0	199	0	269	105		189	0	268	90	190	0	266	139	189	0	241	147	0	0	0	0	0	0
1200	62	0	57	0	123	0	111	0	0	0	0	0	173	0	238	104		169	0	248	92	175	0	211	144	177	0	215	141	0	0	0	0	0	0
1300	90	0	75	0	131	0	112	0	0	0	0	0	201	0	258	100		204	0	269	100	195	0	231	129	195	0	239	147	0	0	0	0	0	0
1400	90	0	75	0	148	0	129	0	0	0	0	0	193	0	254	118		188	0	262	93	188	0	235	130	189	0	246	155	0	0	0	0	0	0
1500	92	0	78	0	158	0	136	0	0	0	0	0	217	0	265	119		212	0	267	100	201	0	246	149	201	0	251	149	0	0	0	0	0	0
1600	84	0	72	0	176	0	150	0	0	0	0	0	192	0	263	90		193	0	269	102	193	0	228	132	195	0	230	142	0	0	0	0	0	0
1700	60	0	48	0	131	0	112	0	0	0	0	0	192	0	260	119		190	0	269	104	192	0	227	161	192	0	226	165	0	0	0	0	0	0
1800	65	0	53	0	129	0	114	0	0	0	0	0	210	0	258	97		211	0	267	103	201	0	236	136	203	0	234	142	0	0	0	0	0	0
1900	66	0	60	0	141	0	118	0	0	0	0	0	176	0	222	119		171	0	221	105	179	0	206	159	180	0	207	162	0	0	0	0	0	0
2000	65	0	60	0	142	0	116	0	0	0	0	0	175	0	258	103		166	0	216	114	179	0	191	166	180	0	191	166	0	0	0	0	0	0
2100	49	0	41	0	117	0	101	0	0	0	0	0	178	0	263	98		169	0	251	109	180	0	196	151	180	0	206	157	0	0	0	0	0	0
2200	58	0	52	0	116	0	102	0	0	0	0	0	166	0	255	94		158	0	205	101	174	0	195	146	176	0	199	158	0	0	0	0	0	0
2300	74	0	67	0	131	0	117	0	0	0	0	0	176	0	253	94		168	0	261	102	180	0	210	157	180	0	201	157	0	0	0	0	0	0
2400	71	0	61	0	142	0	122	0	0	0	0	0	178	0	259	97		165	0	258	91	179	0	205	137	180	0	213	155	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	660	0	653	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	660	0	655	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	660	0	655	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	651	0	644	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	644	0	637	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	635	0	630	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	646	0	640	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	689	0	685	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	738	0	732	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	784	0	779	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	813	0	808	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	822	0	817	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	851	0	847	0	315	2	315	2	320	0	320	0	-32	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	883	0	880	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	873	0	869	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	865	0	860	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	844	0	838	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	826	0	820	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	750	0	745	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	723	0	718	0	315	2	315	2	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	712	0	705	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	709	0	703	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	711	0	703	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	707	0	702	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS COD[illegible]) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, [illegible] UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	76	0	60	0	138	0	116	0	0	0	0	0	210	0	268	112	203	0	269	120	197	0	217	160	197	0	221	161	0	0	0	0	0	0
200	77	0	58	0	135	0	115	0	0	0	0	0	215	0	269	160	205	0	255	138	203	0	226	178	203	0	222	176	0	0	0	0	0	0
300	62	0	45	0	136	0	114	0	0	0	0	0	207	0	268	128	195	0	254	113	193	0	213	159	195	0	239	157	0	0	0	0	0	0
400	67	0	52	0	129	0	113	0	0	0	0	0	211	0	254	143	207	0	261	91	204	0	229	169	203	0	224	183	0	0	0	0	0	0
500	53	0	41	0	118	0	102	0	0	0	0	0	201	0	263	91	191	0	269	92	193	0	234	164	194	0	222	170	0	0	0	0	0	0
600	51	0	39	0	111	0	95	0	0	0	0	0	196	0	267	122	187	0	262	114	188	0	229	157	190	0	224	166	0	0	0	0	0	0
700	49	0	39	0	107	0	91	0	0	0	0	0	191	0	267	122	180	0	249	92	188	0	216	135	189	0	219	153	0	0	0	0	0	0
800	49	0	36	0	103	0	87	0	0	0	0	0	196	0	268	110	186	0	267	99	192	0	223	159	192	0	231	152	0	0	0	0	0	0
900	57	0	42	0	96	0	79	0	0	0	0	0	208	0	269	126	205	0	268	136	197	0	224	154	198	0	222	157	0	0	0	0	0	0
1000	56	0	44	0	79	0	76	0	0	0	0	0	239	0	327	184	237	0	335	185	218	0	263	161	218	0	259	177	0	0	0	0	0	0
1100	60	0	54	0	57	0	62	0	0	0	0	0	256	0	296	217	251	0	313	202	241	0	274	198	238	0	283	205	0	0	0	0	0	0
1200	59	0	53	0	67	0	72	0	0	0	0	0	253	0	291	214	248	0	303	205	243	0	278	207	240	0	276	191	0	0	0	0	0	0
1300	65	0	60	0	66	0	71	0	0	0	0	0	268	0	297	221	261	0	302	215	252	0	304	216	249	0	288	209	0	0	0	0	0	0
1400	57	0	50	0	64	0	68	0	0	0	0	0	258	0	296	195	251	0	297	186	259	0	299	204	257	0	290	195	0	0	0	0	0	0
1500	63	0	53	0	73	0	77	0	0	0	0	0	247	0	284	195	241	0	281	189	245	0	280	206	242	0	269	172	0	0	0	0	0	0
1600	62	0	57	0	69	0	74	0	0	0	0	0	246	0	285	198	244	0	290	190	233	0	262	186	231	0	271	192	0	0	0	0	0	0
1700	62	0	57	0	73	0	79	0	0	0	0	0	246	0	279	191	245	0	294	191	230	0	255	199	231	0	260	194	0	0	0	0	0	0
1800	62	0	53	0	99	0	103	0	0	0	0	0	235	0	270	180	228	0	268	172	225	0	257	187	224	0	253	198	0	0	0	0	0	0
1900	73	0	61	0	112	0	109	0	0	0	0	0	227	0	272	186	223	0	259	174	218	0	241	200	218	0	242	192	0	0	0	0	0	0
2000	78	0	61	0	122	0	112	0	0	0	0	0	226	0	277	195	218	0	265	174	214	0	246	197	215	0	235	188	0	0	0	0	0	0
2100	49	0	36	0	132	0	113	0	0	0	0	0	204	0	245	110	201	0	265	125	199	0	216	185	198	0	216	184	0	0	0	0	0	0
2200	58	0	44	0	145	0	124	0	0	0	0	0	203	0	266	134	197	0	250	106	198	0	222	179	198	0	220	181	0	0	0	0	0	0
2300	70	0	53	0	138	0	118	0	0	0	0	0	210	0	263	159	204	0	261	129	204	0	247	173	203	0	230	175	0	0	0	0	0	0
2400	62	0	48	0	130	0	109	0	0	0	0	0	199	0	262	104	200	0	260	91	198	0	216	171	198	0	213	172	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	709	0	703	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	718	0	712	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	718	0	712	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	712	0	705	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	698	0	691	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	689	0	684	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	693	0	687	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	720	0	714	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	752	0	747	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	779	0	774	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	793	0	790	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	811	0	808	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	835	0	831	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	837	0	833	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	860	0	856	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	873	0	869	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	874	0	871	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	855	0	849	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	851	0	846	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	831	0	824	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	795	0	790	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	779	0	774	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	777	0	772	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	761	0	756	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	64	0	49	0	130	0	110	0	0	0	0	0	206	0	269	122	204	0	268	111	200	0	225	158	202	0	226	181	0	0	0	0	0	0
200	57	0	42	0	132	0	114	0	0	0	0	0	202	0	249	119	200	0	269	125	199	0	215	179	198	0	216	181	0	0	0	0	0	0
300	61	0	45	0	98	0	91	0	0	0	0	0	220	0	260	159	215	0	269	168	213	0	234	193	212	0	231	190	0	0	0	0	0	0
400	38	0	30	0	101	0	84	0	0	0	0	0	191	0	253	136	180	3	258	92	196	0	211	179	198	0	218	178	0	0	0	0	0	0
500	44	0	33	0	112	0	98	0	0	0	0	0	197	0	261	102	194	0	269	99	198	0	212	185	199	0	216	181	0	0	0	0	0	0
600	46	0	34	0	119	0	102	0	0	0	0	0	201	0	259	135	196	0	260	110	201	0	214	188	202	0	214	190	0	0	0	0	0	0
700	43	0	34	0	108	0	88	0	0	0	0	0	182	0	253	97	179	0	243	92	187	0	207	153	188	0	207	160	0	0	0	0	0	0
800	43	0	34	0	73	0	63	0	0	0	0	0	189	0	263	104	184	0	260	91	185	0	243	133	188	0	227	138	0	0	0	0	0	0
900	57	0	44	0	85	0	72	0	0	0	0	0	202	0	256	147	196	0	261	98	191	0	241	127	192	0	235	123	0	0	0	0	0	0
1000	23	0	19	0	33	0	30	0	0	0	0	0	257	3	356	181	195	3	264	101	181	0	260	92	180	3	266	108	0	0	0	0	0	0
1100	62	0	52	0	68	0	67	0	0	0	0	0	253	0	306	208	246	0	302	189	234	0	270	191	229	0	269	178	0	0	0	0	0	0
1200	45	0	34	0	78	0	67	0	0	0	0	0	181	0	265	96	177	0	263	99	184	0	234	114	183	0	234	107	0	0	0	0	0	0
1300	63	0	50	0	102	0	93	0	0	0	0	0	173	0	247	108	171	0	259	102	172	0	224	118	176	0	251	129	0	0	0	0	0	0
1400	76	0	72	0	106	0	106	0	0	0	0	0	149	0	211	103	147	0	216	96	157	0	195	123	160	0	188	124	0	0	0	0	0	0
1500	45	0	35	0	86	0	75	0	0	0	0	0	182	0	265	94	181	0	261	96	181	0	226	120	182	0	269	118	0	0	0	0	0	0
1600	59	0	44	0	110	0	95	0	0	0	0	0	199	0	260	110	194	0	263	121	186	0	232	137	188	0	219	146	0	0	0	0	0	0
1700	61	0	47	0	107	0	93	0	0	0	0	0	203	0	268	131	190	0	263	99	195	0	235	142	195	0	234	152	0	0	0	0	0	0
1800	65	0	48	0	130	0	111	0	0	0	0	0	203	0	269	103	202	0	263	126	193	0	241	158	192	0	222	166	0	0	0	0	0	0
1900	61	0	46	0	105	0	91	0	0	0	0	0	212	0	254	118	210	0	261	141	204	0	226	182	204	0	223	180	0	0	0	0	0	0
2000	58	0	48	0	127	0	106	0	0	0	0	0	182	0	266	109	177	0	261	97	180	0	205	127	181	0	204	127	0	0	0	0	0	0
2100	63	0	51	0	130	0	108	0	0	0	0	0	189	0	267	100	190	0	257	103	186	0	229	140	187	0	224	142	0	0	0	0	0	0
2200	72	0	55	0	129	0	110	0	0	0	0	0	205	0	245	109	196	0	255	121	195	0	227	164	196	0	222	173	0	0	0	0	0	0
2300	82	0	63	0	153	0	128	0	0	0	0	0	210	0	269	149	206	0	262	124	200	0	223	168	202	0	221	178	0	0	0	0	0	0
2400	93	0	77	0	157	0	139	0	0	0	0	0	217	0	268	114	212	0	261	106	204	0	228	170	203	0	232	163	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	748	0	743	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	738	0	732	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	736	0	730	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	727	0	720	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	721	0	716	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	718	0	714	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	721	0	716	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	754	0	750	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	788	0	784	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	822	0	819	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	822	0	817	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	864	0	860	0	315	2	315	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	871	0	869	0	315	2	315	2	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	862	0	860	0	315	2	315	2	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	901	0	900	0	315	2	315	2	320	0	320	0	-40	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	925	0	921	0	315	2	315	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	925	0	919	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	901	0	898	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	869	0	864	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	835	0	829	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	811	0	806	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	804	0	799	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	792	0	786	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	788	0	783	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE? = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	50 B	S	WIND DIR2	MIN	MAX	150A	S	WIND DIR3	MIN	MAX	150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	73	0	56	0	143	0	120	0	0	0	0	0	200	0	252	104		199	0	263	105		196	0	230	151		196	0	231	150		0	0	0	0	0	0
200	61	0	47	0	127	0	110	0	0	0	0	0	199	0	262	110		195	0	264	96		190	0	234	150		190	0	215	164		0	0	0	0	0	0
300	74	0	63	0	121	0	117	0	0	0	0	0	232	0	267	173		233	0	303	188		218	0	265	165		217	0	257	131		0	0	0	0	0	0
400	37	0	31	0	43	0	45	0	0	0	0	0	102	0	150	73		100	0	149	55		66	0	124	4		68	0	153	1		0	0	0	0	0	0
500	69	0	64	0	93	0	96	0	0	0	0	0	319	0	0	283		312	0	349	239		321	0	350	303		313	0	346	298		0	0	0	0	0	0
600	116	0	108	0	167	0	164	0	0	0	0	0	340	0	17	278		331	0	15	282		336	0	353	281		331	0	346	304		0	0	0	0	0	0
700	179	0	174	0	273	0	267	0	0	0	0	0	351	0	40	311		338	0	33	284		348	0	18	329		341	0	18	318		0	0	0	0	0	0
800	146	0	133	0	262	0	250	0	0	0	0	0	1	0	52	302		354	0	93	305		354	0	49	304		349	0	46	290		0	0	0	0	0	0
900	89	0	87	0	154	0	148	0	0	0	0	0	24	0	98	280		13	0	102	273		3	0	40	318		356	0	43	313		0	0	0	0	0	0
1000	84	0	81	0	156	0	155	0	0	0	0	0	25	0	108	334		19	0	103	308		7	0	48	320		1	0	57	299		0	0	0	0	0	0
1100	102	0	91	0	155	0	152	0	0	0	0	0	7	0	118	294		1	0	151	305		358	0	41	292		352	0	35	283		0	0	0	0	0	0
1200	89	0	85	0	127	0	122	0	0	0	0	0	353	0	177	273		339	0	149	281		354	0	48	305		348	0	43	277		0	0	0	0	0	0
1300	70	0	69	0	95	0	92	0	0	0	0	0	350	0	106	271		344	0	59	277		350	0	59	302		344	0	50	299		0	0	0	0	0	0
1400	109	0	106	0	147	0	146	0	0	0	0	0	322	0	13	275		320	0	40	280		326	0	349	299		320	0	351	281		0	0	0	0	0	0
1500	97	0	93	0	135	0	134	0	0	0	0	0	341	0	28	287		335	0	37	281		340	0	13	302		335	0	359	289		0	0	0	0	0	0
1600	107	0	95	0	142	0	137	0	0	0	0	0	345	0	38	298		336	0	60	278		348	0	51	318		342	0	19	300		0	0	0	0	0	0
1700	60	0	55	0	98	0	96	0	0	0	0	0	1	0	98	280		359	0	107	278		359	0	50	310		355	0	46	293		0	0	0	0	0	0
1800	50	0	46	0	77	0	76	0	0	0	0	0	15	0	66	281		10	0	85	280		1	0	41	310		357	0	49	301		0	0	0	0	0	0
1900	62	0	53	0	82	0	82	0	0	0	0	0	348	0	30	301		339	0	34	285		348	0	25	330		343	0	23	321		0	0	0	0	0	0
2000	48	0	42	0	59	0	63	0	0	0	0	0	314	0	12	272		302	0	349	238		303	0	318	287		296	0	319	279		0	0	0	0	0	0
2100	67	0	65	0	88	0	94	0	0	0	0	0	257	0	291	234		253	0	282	213		260	0	284	244		258	0	280	241		0	0	0	0	0	0
2200	88	0	84	0	121	0	129	0	0	0	0	0	252	0	278	220		249	0	282	217		253	0	269	233		250	0	267	228		0	0	0	0	0	0
2300	69	0	65	0	110	0	116	0	0	0	0	0	244	0	261	216		242	0	275	195		248	0	270	230		246	0	264	231		0	0	0	0	0	0
2400	124	0	118	0	151	0	160	0	0	0	0	0	275	0	309	245		270	0	330	237		280	0	320	251		277	0	320	251		0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	784	0	779	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	772	0	766	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	775	0	770	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	698	0	691	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	700	0	693	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	707	0	702	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	703	0	700	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	694	0	689	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	711	0	709	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	729	0	725	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	738	0	732	0	315	2	315	2	320	0	320	0	-31	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	738	0	736	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	761	0	761	0	315	2	315	2	320	0	320	0	-49	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	741	0	736	0	315	2	315	2	320	0	320	0	-47	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	739	0	734	0	315	2	315	2	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	730	0	727	0	315	2	315	2	320	0	320	0	-36	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	738	0	734	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	729	0	723	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	709	0	702	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	693	0	685	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	693	0	687	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	693	0	685	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	660	0	657	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	716	0	711	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	102	0	99	0	154	0	155	0	0	0	0	0	327	0	25	294	318	0	36	277	331	0	355	300	324	0	352	294	0	0	0	0	0	0
200	98	0	85	0	140	0	138	0	0	0	0	0	352	0	31	312	344	0	60	282	353	0	45	316	348	0	28	310	0	0	0	0	0	0
300	70	0	63	0	117	0	117	0	0	0	0	0	9	0	65	322	3	0	61	304	358	0	34	325	353	0	29	290	0	0	0	0	0	0
400	96	0	90	0	149	0	145	0	0	0	0	0	347	0	48	293	338	0	40	285	346	0	20	313	342	0	18	320	0	0	0	0	0	0
500	81	0	76	0	119	0	120	0	0	0	0	0	342	0	20	284	336	0	32	281	337	0	77	287	331	0	32	292	0	0	0	0	0	0
600	91	0	84	0	122	0	125	0	0	0	0	0	317	0	6	287	308	0	349	239	320	0	342	294	313	0	338	294	0	0	0	0	0	0
700	99	0	92	0	124	0	126	0	0	0	0	0	316	0	355	276	308	0	330	239	319	0	343	302	312	0	335	292	0	0	0	0	0	0
800	95	0	94	0	128	0	126	0	0	0	0	0	321	0	26	290	314	0	353	262	327	0	351	307	320	0	355	298	0	0	0	0	0	0
900	87	0	85	0	124	0	122	0	0	0	0	0	318	0	11	279	318	0	12	280	326	0	3	287	320	0	353	293	0	0	0	0	0	0
1000	101	0	98	0	126	0	130	0	0	0	0	0	313	0	347	277	305	0	333	259	318	0	344	300	311	0	333	286	0	0	0	0	0	0
1100	101	0	97	0	130	0	133	0	0	0	0	0	305	0	328	269	301	0	353	259	311	0	329	296	303	0	329	284	0	0	0	0	0	0
1200	91	0	86	0	126	0	131	0	0	0	0	0	300	0	335	260	294	0	348	236	303	0	318	292	296	0	307	287	0	0	0	0	0	0
1300	99	0	96	0	133	0	137	0	0	0	0	0	300	0	334	261	292	0	336	239	302	0	322	285	296	0	312	284	0	0	0	0	0	0
1400	74	0	72	0	94	0	97	0	0	0	0	0	312	0	13	273	302	0	353	218	320	0	7	298	314	0	80	286	0	0	0	0	0	0
1500	39	0	36	0	52	0	54	0	0	0	0	0	292	0	358	227	291	0	358	196	324	0	20	270	317	0	5	273	0	0	0	0	0	0
1600	36	0	31	0	40	0	43	0	0	0	0	0	322	0	93	270	301	0	356	220	319	0	3	275	313	0	346	275	0	0	0	0	0	0
1700	24	0	23	0	26	0	28	0	0	0	0	0	307	3	354	199	303	3	356	233	322	3	16	281	316	0	10	273	0	0	0	0	0	0
1800	19	0	19	0	26	0	25	0	0	0	0	0	235	0	292	182	236	3	304	189	211	0	245	180	211	0	242	166	0	0	0	0	0	0
1900	34	0	35	0	45	0	47	0	0	0	0	0	146	0	182	122	148	0	199	124	148	0	165	124	150	0	165	125	0	0	0	0	0	0
2000	53	0	55	0	74	0	77	0	0	0	0	0	133	0	142	123	135	0	148	126	141	0	146	135	145	0	150	138	0	0	0	0	0	0
2100	49	0	50	0	102	0	106	0	0	0	0	0	136	0	170	119	140	0	193	103	149	0	151	146	152	0	155	149	0	0	0	0	0	0
2200	59	0	58	0	164	0	171	0	0	0	0	0	133	0	174	15	140	0	192	91	161	0	163	156	163	0	166	159	0	0	0	0	0	0
2300	57	0	57	0	128	0	106	0	0	0	0	0	162	0	263	104	160	0	238	104	180	0	185	173	180	0	185	175	0	0	0	0	0	0
2400	94	0	78	0	155	0	144	0	0	0	0	0	213	0	312	187	212	0	241	147	216	0	234	191	217	0	236	189	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	705	0	700	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	693	0	687	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	684	0	676	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	684	0	678	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	675	0	667	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	669	0	666	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	678	0	673	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	684	0	682	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	696	0	691	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	691	0	684	0	315	2	315	2	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	703	0	700	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	718	0	714	0	315	2	315	2	320	0	320	0	-56	0	-54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	721	0	718	0	315	2	315	2	320	0	320	0	-49	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	747	0	741	0	315	2	315	2	320	0	320	0	-59	2	-59	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	750	0	747	0	315	2	315	2	320	0	320	0	-50	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	743	0	739	0	315	2	315	2	320	0	320	0	-38	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	752	0	748	0	315	2	315	2	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	718	0	712	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	700	0	693	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	676	0	669	0	315	2	315	2	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	653	0	644	0	315	2	315	2	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	642	0	635	0	315	2	315	2	320	0	320	0	63	0	65	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	651	0	646	0	315	2	315	2	320	0	320	0	58	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	617	0	612	0	315	2	315	2	320	0	320	0	67	0	65	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODES) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 30 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6		
100	53	0	42	0	92	0	98	0	0	0	0	0	214	0	253	186	210	0	260	156	225	0	237	216	226	0	234	214	0	0	0	0	0	0
200	49	0	46	0	66	0	63	0	0	0	0	0	162	0	222	110	160	0	217	102	187	0	226	146	189	0	229	149	0	0	0	0	0	0
300	41	0	44	0	78	0	81	0	0	0	0	0	132	0	160	315	132	0	152	106	149	0	154	142	152	0	157	145	0	0	0	0	0	0
400	49	0	50	0	80	0	82	0	0	0	0	0	103	0	149	63	103	0	148	56	109	0	124	94	111	0	127	97	0	0	0	0	0	0
500	70	0	69	0	111	0	116	0	0	0	0	0	121	0	148	91	122	0	150	82	124	0	138	107	128	0	141	109	0	0	0	0	0	0
600	109	0	106	0	143	0	150	0	0	0	0	0	122	0	134	102	124	0	148	102	120	0	127	106	123	0	130	107	0	0	0	0	0	0
700	110	0	121	0	196	0	203	0	0	0	0	0	128	0	173	64	133	0	173	79	138	0	152	118	140	0	156	122	0	0	0	0	0	0
800	144	0	145	0	198	0	207	0	0	0	0	0	123	0	146	95	126	0	152	79	121	0	144	95	123	0	147	93	0	0	0	0	0	0
900	151	0	168	0	235	0	247	0	0	0	0	0	123	0	154	6	130	0	172	83	136	0	151	117	139	0	155	118	0	0	0	0	0	0
1000	153	0	163	0	217	0	223	0	0	0	0	0	126	0	196	90	128	0	173	83	133	0	152	111	135	0	156	114	0	0	0	0	0	0
1100	134	0	137	0	243	0	247	0	0	0	0	0	121	0	174	9	137	0	196	103	143	0	163	112	147	0	170	117	0	0	0	0	0	0
1200	126	0	129	0	219	0	225	0	0	0	0	0	148	0	199	105	144	0	198	102	157	0	185	108	159	0	186	100	0	0	0	0	0	0
1300	125	0	125	0	231	0	225	0	0	0	0	0	160	0	228	104	160	0	251	103	165	0	194	136	168	0	202	140	0	0	0	0	0	0
1400	111	0	110	0	208	0	195	0	0	0	0	0	157	0	204	100	161	0	238	99	169	0	201	141	170	0	209	131	0	0	0	0	0	0
1500	94	0	90	0	192	0	180	0	0	0	0	0	163	0	233	90	167	0	244	100	168	0	193	128	169	0	202	134	0	0	0	0	0	0
1600	73	0	68	0	143	0	132	0	0	0	0	0	166	0	223	90	169	0	239	103	175	0	232	107	176	0	215	134	0	0	0	0	0	0
1700	72	0	69	0	142	0	129	0	0	0	0	0	170	0	246	93	171	0	265	99	173	0	202	124	176	0	213	138	0	0	0	0	0	0
1800	74	0	77	0	144	0	141	0	0	0	0	0	161	0	206	101	159	0	214	99	166	0	195	139	169	0	193	132	0	0	0	0	0	0
1900	63	0	63	0	140	0	137	0	0	0	0	0	155	0	221	107	154	0	243	91	165	0	210	133	167	0	186	135	0	0	0	0	0	0
2000	88	0	85	0	174	0	155	0	0	0	0	0	159	0	211	113	159	0	234	102	174	0	200	151	175	0	195	155	0	0	0	0	0	0
2100	99	0	90	0	210	0	177	0	0	0	0	0	183	0	236	114	179	0	259	121	187	0	213	160	190	0	216	159	0	0	0	0	0	0
2200	92	0	79	0	183	0	158	0	0	0	0	0	205	0	255	129	201	0	265	104	201	0	233	161	200	0	226	152	0	0	0	0	0	0
2300	118	0	104	0	202	0	184	0	0	0	0	0	226	0	267	166	225	0	265	139	213	0	250	185	213	0	244	189	0	0	0	0	0	0
2400	144	0	134	0	210	0	206	0	0	0	0	0	236	0	285	180	236	0	347	189	225	0	258	197	224	0	259	191	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	637	0	630	0	315	2	315	2	320	0	320	0	45	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	597	0	588	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	563	0	556	0	315	2	315	2	320	0	320	0	31	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	567	0	561	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	572	0	565	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	577	0	572	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	583	0	577	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	583	0	577	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	606	0	599	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	628	0	624	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	667	0	662	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	702	0	696	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	736	0	730	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	781	0	775	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	815	0	811	0	315	2	315	2	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	847	0	844	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	844	0	838	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	822	0	817	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	802	0	797	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	779	0	772	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	775	0	770	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	790	0	784	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	801	0	795	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	813	0	810	0	315	2	315	2	320	0	320	0	-2	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	147	0	135	0	230	0	225	0	0	0	0	0	232	0	267	178	232	0	266	145	225	0	246	202	225	0	251	195	0	0	0	0	0	0
200	132	0	126	0	204	0	201	0	0	0	0	0	237	0	285	198	233	0	265	151	224	0	251	193	222	0	242	183	0	0	0	0	0	0
300	117	0	111	0	179	0	176	0	0	0	0	0	235	0	293	192	234	0	286	189	225	0	259	192	224	0	258	201	0	0	0	0	0	0
400	87	0	87	0	130	0	137	0	0	0	0	0	278	0	359	227	272	0	350	218	280	0	352	223	276	0	347	227	0	0	0	0	0	0
500	96	0	97	0	155	0	164	0	0	0	0	0	251	0	282	209	250	0	306	196	251	0	270	231	248	0	268	226	0	0	0	0	0	0
600	77	0	70	0	130	0	135	0	0	0	0	0	231	0	270	195	229	0	263	173	230	0	251	207	229	0	247	205	0	0	0	0	0	0
700	69	0	57	0	129	0	125	0	0	0	0	0	217	0	253	162	214	0	257	170	220	0	238	198	221	0	246	189	0	0	0	0	0	0
800	92	0	87	0	145	0	147	0	0	0	0	0	236	0	293	197	233	0	283	189	227	0	266	193	228	0	257	198	0	0	0	0	0	0
900	103	0	102	0	147	0	154	0	0	0	0	0	240	0	304	192	241	0	284	193	231	0	270	195	229	0	251	191	0	0	0	0	0	0
1000	122	0	121	0	180	0	192	0	0	0	0	0	241	0	282	203	239	0	279	193	239	0	280	196	236	0	270	216	0	0	0	0	0	0
1100	129	0	129	0	191	0	205	0	0	0	0	0	266	0	291	224	262	0	302	219	258	0	272	222	256	0	280	226	0	0	0	0	0	0
1200	158	0	162	0	212	0	227	0	0	0	0	0	248	0	273	205	245	0	281	203	245	0	269	222	241	0	263	217	0	0	0	0	0	0
1300	123	0	130	0	176	0	187	0	0	0	0	0	265	0	282	244	262	0	286	235	264	0	272	251	262	0	268	244	0	0	0	0	0	0
1400	80	0	84	0	117	0	124	0	0	0	0	0	270	0	304	231	262	0	311	219	261	0	314	213	257	0	286	203	0	0	0	0	0	0
1500	61	0	61	0	104	0	107	0	0	0	0	0	286	0	356	195	283	0	355	239	286	0	319	245	282	0	313	240	0	0	0	0	0	0
1600	117	0	117	0	160	0	167	0	0	0	0	0	301	0	337	263	293	0	333	259	302	0	316	258	296	0	310	251	0	0	0	0	0	0
1700	52	0	54	0	80	0	85	0	0	0	0	0	244	0	272	219	242	0	282	216	246	0	263	221	245	0	265	219	0	0	0	0	0	0
1800	70	0	71	0	86	0	90	0	0	0	0	0	265	0	292	235	261	0	289	216	277	0	310	254	272	0	299	238	0	0	0	0	0	0
1900	77	0	79	0	105	0	111	0	0	0	0	0	263	0	289	232	260	0	308	211	268	0	278	254	265	0	280	254	0	0	0	0	0	0
2000	138	0	138	0	182	0	188	0	0	0	0	0	277	0	354	243	274	0	354	222	287	0	348	257	282	0	336	252	0	0	0	0	0	0
2100	79	0	82	0	134	0	132	0	0	0	0	0	345	0	23	277	335	0	13	283	342	0	9	324	336	0	2	313	0	0	0	0	0	0
2200	102	0	99	0	159	0	157	0	0	0	0	0	339	0	36	273	335	0	39	285	341	0	8	307	335	0	351	300	0	0	0	0	0	0
2300	129	0	135	0	209	0	209	0	0	0	0	0	338	0	23	287	330	0	15	283	338	0	10	289	331	0	0	302	0	0	0	0	0	0
2400	139	0	129	0	214	0	208	0	0	0	0	0	350	0	22	298	337	0	17	282	348	0	5	332	344	0	29	315	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	793	0	788	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	788	0	781	0	315	2	315	2	320	0	320	0	-2	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	777	0	770	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	741	0	736	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	747	0	741	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	736	0	729	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	743	0	738	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	748	0	743	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	770	0	765	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	768	0	763	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	777	0	772	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	774	0	766	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	772	0	766	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	795	0	792	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	763	0	757	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	725	0	720	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	721	0	716	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	727	0	720	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	716	0	709	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	720	0	714	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	684	0	680	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	696	0	691	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	684	0	678	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	646	0	640	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	121	0	118	0	190	0	186	0	0	0	0	0	350	0	35	297	343	0	77	285	348	0	16	321	343	0	25	313	0	0	0	0	0	0
200	110	0	106	0	165	0	160	0	0	0	0	0	353	0	32	306	345	0	57	283	353	0	27	313	348	0	25	327	0	0	0	0	0	0
300	123	0	122	0	192	0	185	0	0	0	0	0	351	0	32	303	339	0	58	282	354	0	31	325	348	0	21	316	0	0	0	0	0	0
400	148	0	136	0	213	0	208	0	0	0	0	0	350	0	23	299	341	0	36	304	345	0	9	324	339	0	10	308	0	0	0	0	0	0
500	125	0	116	0	191	0	185	0	0	0	0	0	356	0	50	324	343	0	83	285	357	0	37	325	351	0	29	310	0	0	0	0	0	0
600	89	0	86	0	169	0	167	0	0	0	0	0	20	0	77	335	11	0	106	307	4	0	54	300	0	0	49	313	0	0	0	0	0	0
700	116	0	111	0	204	0	200	0	0	0	0	0	27	0	70	332	23	0	128	328	8	0	37	343	3	0	28	327	0	0	0	0	0	0
800	105	0	102	0	179	0	178	0	0	0	0	0	19	0	58	320	13	0	103	308	7	0	64	321	2	0	41	314	0	0	0	0	0	0
900	99	0	101	0	179	0	176	0	0	0	0	0	28	0	164	280	21	0	125	310	5	0	68	325	3	0	51	320	0	0	0	0	0	0
1000	139	0	140	0	189	0	186	0	0	0	0	0	33	0	53	4	25	0	82	331	20	0	47	1	15	0	50	348	0	0	0	0	0	0
1100	124	0	122	0	173	0	170	0	0	0	0	0	33	0	67	4	27	0	84	350	21	0	50	1	17	0	43	340	0	0	0	0	0	0
1200	111	0	110	0	153	0	152	0	0	0	0	0	38	0	83	349	34	0	83	305	31	0	78	358	27	0	77	347	0	0	0	0	0	0
1300	99	0	97	0	137	0	138	0	0	0	0	0	33	0	79	324	24	0	126	305	17	0	52	342	12	0	46	320	0	0	0	0	0	0
1400	112	0	113	0	169	0	167	0	0	0	0	0	30	0	70	332	25	0	81	328	14	0	44	331	8	0	40	336	0	0	0	0	0	0
1500	115	0	112	0	173	0	173	0	0	0	0	0	24	0	83	300	19	0	84	307	9	0	44	333	5	0	57	322	0	0	0	0	0	0
1600	107	0	105	0	189	0	184	0	0	0	0	0	19	0	77	282	9	0	80	282	5	0	45	286	3	0	57	271	0	0	0	0	0	0
1700	129	0	123	0	189	0	190	0	0	0	0	0	26	0	54	347	17	0	82	308	12	0	51	335	7	0	51	335	0	0	0	0	0	0
1800	118	0	115	0	176	0	176	0	0	0	0	0	32	0	66	5	23	0	103	327	15	0	50	335	10	0	56	322	0	0	0	0	0	0
1900	113	0	112	0	159	0	159	0	0	0	0	0	34	0	71	358	28	0	84	331	22	0	46	337	17	0	47	341	0	0	0	0	0	0
2000	116	0	113	0	158	0	156	0	0	0	0	0	35	0	72	5	28	0	103	331	26	0	53	359	23	0	62	355	0	0	0	0	0	0
2100	118	0	117	0	167	0	165	0	0	0	0	0	30	0	67	3	25	0	81	352	16	0	33	348	11	0	37	338	0	0	0	0	0	0
2200	65	0	65	0	90	0	92	0	0	0	0	0	54	0	114	14	53	0	105	12	48	0	89	12	44	0	91	0	0	0	0	0	0	0
2300	41	0	43	0	56	0	65	0	0	0	0	0	79	0	120	42	76	0	106	37	72	0	98	50	72	0	102	43	0	0	0	0	0	0
2400	43	0	41	0	58	0	62	0	0	0	0	0	92	0	121	64	90	0	148	57	78	0	107	50	77	0	99	47	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	653	0	648	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	649	0	642	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	651	0	646	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	646	0	640	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	648	0	642	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	648	0	640	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	646	0	639	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	646	0	640	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	646	0	640	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	646	0	640	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	649	0	644	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	646	0	640	0	315	2	315	2	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	667	0	664	0	315	2	315	2	320	0	320	0	-27	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	660	0	657	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	664	0	660	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	658	0	653	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	642	0	635	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	639	0	633	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	628	0	622	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	621	0	613	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	621	0	615	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	621	0	613	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	594	0	586	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	586	0	579	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	39	0	39	0	54	0	66	0	0	0	0	0	80	0	115	60	78	0	103	57	71	0	87	50	70	0	85	55	0	0	0	0	0	0
200	53	0	51	0	74	0	74	0	0	0	0	0	110	0	124	94	110	0	128	102	82	0	91	71	82	0	91	71	0	0	0	0	0	0
300	53	0	50	0	70	0	70	0	0	0	0	0	116	0	122	110	120	0	129	103	88	0	101	77	89	0	97	79	0	0	0	0	0	0
400	62	0	60	0	69	0	71	0	0	0	0	0	128	0	132	120	127	0	129	105	105	0	116	95	107	0	118	98	0	0	0	0	0	0
500	55	0	56	0	81	0	82	0	0	0	0	0	136	0	148	127	137	0	151	126	95	0	101	92	96	0	100	92	0	0	0	0	0	0
600	57	0	59	0	89	0	92	0	0	0	0	0	144	0	165	30	147	0	172	102	118	0	129	112	120	0	133	113	0	0	0	0	0	0
700	53	0	50	0	66	0	68	0	0	0	0	0	189	0	269	134	181	0	236	123	158	0	179	149	159	0	172	153	0	0	0	0	0	0
800	43	0	33	0	68	0	61	0	0	0	0	0	212	0	253	148	210	0	261	148	209	0	233	183	210	0	230	182	0	0	0	0	0	0
900	59	0	52	0	68	0	69	0	0	0	0	0	241	0	309	188	237	0	301	191	229	0	275	190	227	0	264	190	0	0	0	0	0	0
1000	114	0	111	0	157	0	161	0	0	0	0	0	304	0	338	277	295	0	330	239	305	0	317	291	298	0	308	278	0	0	0	0	0	0
1100	130	0	123	0	182	0	188	0	0	0	0	0	300	0	342	263	293	0	336	237	304	0	315	284	299	0	309	289	0	0	0	0	0	0
1200	120	0	114	0	166	0	174	0	0	0	0	0	293	0	328	259	287	0	334	240	298	0	310	273	292	0	307	268	0	0	0	0	0	0
1300	143	0	137	0	177	0	187	0	0	0	0	0	295	0	342	251	288	0	349	237	295	0	313	248	289	0	314	252	0	0	0	0	0	0
1400	132	0	124	0	179	0	184	0	0	0	0	0	303	0	333	275	298	0	349	239	307	0	321	289	300	0	312	285	0	0	0	0	0	0
1500	97	0	91	0	122	0	127	0	0	0	0	0	312	0	41	277	300	0	353	258	319	0	347	292	314	0	14	286	0	0	0	0	0	0
1600	89	0	87	0	124	0	126	0	0	0	0	0	343	0	26	293	333	0	22	281	340	0	7	315	335	0	2	292	0	0	0	0	0	0
1700	67	0	65	0	88	0	88	0	0	0	0	0	349	0	92	274	341	0	151	281	346	0	32	307	342	0	21	303	0	0	0	0	0	0
1800	54	0	50	0	65	0	66	0	0	0	0	0	25	0	75	341	20	0	82	306	10	0	46	322	6	0	49	330	0	0	0	0	0	0
1900	53	0	49	0	76	0	75	0	0	0	0	0	39	0	68	15	34	0	60	352	26	0	43	0	23	0	42	357	0	0	0	0	0	0
2000	56	0	53	0	77	0	77	0	0	0	0	0	42	0	80	17	35	0	79	11	32	0	53	12	29	0	54	10	0	0	0	0	0	0
2100	43	0	43	0	75	0	76	0	0	0	0	0	54	0	81	27	48	0	82	14	33	0	51	8	31	0	58	3	0	0	0	0	0	0
2200	36	0	31	0	40	0	48	0	0	0	0	0	109	0	136	57	113	0	148	57	54	0	80	31	53	0	85	26	0	0	0	0	0	0
2300	46	0	44	0	50	0	53	0	0	0	0	0	143	0	185	117	146	0	170	103	107	0	118	80	109	0	118	82	0	0	0	0	0	0
2400	53	0	48	0	64	0	66	0	0	0	0	0	114	0	129	87	115	0	127	79	91	0	117	74	92	0	121	72	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	558	0	550	0	315	2	315	2	320	0	320	0	14	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	552	0	543	0	315	2	315	2	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	549	0	540	0	315	2	315	2	320	0	320	0	14	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	543	0	536	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	532	0	525	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	522	0	514	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	543	0	540	0	315	2	315	2	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	581	0	577	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	637	0	633	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	657	0	651	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	673	0	669	0	315	2	315	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	662	0	657	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	669	0	662	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	691	0	687	0	315	2	315	2	320	0	320	0	-50	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	694	0	689	0	315	2	315	2	320	0	320	0	-54	0	-52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	673	0	669	0	315	2	315	2	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	669	0	664	0	315	2	315	2	320	0	320	0	-34	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	651	0	646	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	613	0	606	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	606	0	599	0	315	2	315	2	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	586	0	579	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	572	0	565	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	554	0	547	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	556	0	549	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CO[illegible]S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, [illegible]= UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL[illegible]

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	B S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	60	0	57	0	87	0	86	0	0	0	0	0	95	0	113	84	92	0	123	78	86	0	94	80	87	0	94	82	0	0	0	0	0	0
200	81	0	77	0	121	0	143	0	0	0	0	0	81	0	100	65	74	0	124	37	69	0	83	53	70	0	86	57	0	0	0	0	0	0
300	90	0	87	0	147	0	142	0	0	0	0	0	93	0	106	83	89	0	105	78	83	0	90	74	83	0	90	76	0	0	0	0	0	0
400	90	0	84	0	152	0	152	0	0	0	0	0	101	0	113	80	100	0	125	78	92	0	95	87	93	0	96	90	0	0	0	0	0	0
500	92	0	89	0	163	0	158	0	0	0	0	0	91	0	101	82	87	0	103	78	84	0	86	82	84	0	87	82	0	0	0	0	0	0
600	71	0	66	0	116	0	113	0	0	0	0	0	105	0	119	82	104	0	126	81	83	0	99	63	83	0	96	76	0	0	0	0	0	0
700	72	0	62	0	114	0	115	0	0	0	0	0	115	0	128	104	115	0	146	78	95	0	102	91	96	0	102	90	0	0	0	0	0	0
800	59	0	52	0	76	0	79	0	0	0	0	0	104	0	130	85	98	0	146	58	94	0	120	67	95	0	119	64	0	0	0	0	0	0
900	76	0	77	0	90	0	93	0	0	0	0	0	84	0	111	56	82	0	120	55	85	0	107	61	85	0	116	62	0	0	0	0	0	0
1000	77	0	77	0	88	0	100	0	0	0	0	0	60	0	95	20	54	0	103	11	58	0	86	27	58	0	89	24	0	0	0	0	0	0
1100	88	0	94	0	110	0	122	0	0	0	0	0	58	0	91	23	55	0	110	11	50	0	89	16	47	0	88	10	0	0	0	0	0	0
1200	94	0	87	0	121	0	120	0	0	0	0	0	22	0	67	332	14	0	105	281	9	0	45	329	5	0	51	326	0	0	0	0	0	0
1300	60	0	55	0	87	0	89	0	0	0	0	0	16	0	88	298	10	0	153	281	3	0	44	314	1	0	69	309	0	0	0	0	0	0
1400	68	0	63	0	99	0	101	0	0	0	0	0	4	0	91	272	358	0	170	281	2	0	58	318	357	0	49	315	0	0	0	0	0	0
1500	73	0	68	0	107	0	108	0	0	0	0	0	8	0	77	306	3	0	80	303	358	0	33	315	354	0	31	312	0	0	0	0	0	0
1600	73	0	66	0	106	0	105	0	0	0	0	0	5	0	67	271	3	0	128	284	359	0	60	290	355	0	31	316	0	0	0	0	0	0
1700	62	0	58	0	80	0	82	0	0	0	0	0	37	0	127	6	31	0	103	330	15	0	60	336	13	0	82	310	0	0	0	0	0	0
1800	58	0	56	0	70	0	73	0	0	0	0	0	45	0	93	8	40	0	105	11	35	0	61	359	32	0	64	358	0	0	0	0	0	0
1900	31	0	30	0	45	0	55	0	0	0	0	0	53	0	84	32	48	3	102	14	48	0	63	25	47	0	60	24	0	0	0	0	0	0
2000	53	0	51	0	70	0	86	0	0	0	0	0	76	0	83	71	75	0	83	38	61	0	69	52	62	0	68	56	0	0	0	0	0	0
2100	58	0	52	0	78	0	92	0	0	0	0	0	88	0	105	81	86	0	106	79	69	0	77	59	69	0	77	59	0	0	0	0	0	0
2200	60	0	55	0	98	0	100	0	0	0	0	0	103	0	114	94	104	0	124	82	77	0	83	71	77	0	84	70	0	0	0	0	0	0
2300	73	0	66	0	123	0	120	0	0	0	0	0	109	0	117	96	111	0	128	102	83	0	97	79	83	0	93	78	0	0	0	0	0	0
2400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	538	0	531	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	522	0	514	0	315	2	315	2	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	511	0	504	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	502	0	495	0	315	2	315	2	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	498	0	489	0	315	2	315	2	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	480	0	475	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	478	0	473	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	529	0	525	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	581	0	581	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	608	0	604	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	633	0	633	0	315	2	315	2	320	0	320	0	-34	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	621	0	617	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	651	0	648	0	315	2	315	2	320	0	320	0	-45	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	648	0	644	0	315	2	315	2	320	0	320	0	-43	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	649	0	648	0	315	2	315	2	320	0	320	0	-43	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	644	0	640	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	639	0	635	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	624	0	619	0	315	2	315	2	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	585	0	577	0	315	2	315	2	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	540	0	534	0	315	2	315	2	320	0	320	0	45	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	550	0	541	0	315	2	315	2	320	0	320	0	23	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	541	0	531	0	315	2	315	2	320	0	320	0	25	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	529	0	522	0	315	2	315	2	320	0	320	0	31	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	.0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
400	74	0	80	0	154	0	159	0	0	0	0	0	133	0	140	122	135	0	151	124	141	0	142	137	144	0	145	141	0	0	0	0	0	0
500	67	0	63	0	171	0	178	0	0	0	0	0	130	0	165	82	136	0	170	105	148	0	149	145	152	0	152	148	0	0	0	0	0	0
600	69	0	60	0	170	0	177	0	0	0	0	0	135	0	154	114	135	0	174	103	153	0	156	149	157	0	161	154	0	0	0	0	0	0
700	59	0	57	0	160	0	168	0	0	0	0	0	123	0	144	102	126	0	167	57	150	0	155	144	155	0	158	149	0	0	0	0	0	0
800	50	0	46	0	118	0	123	0	0	0	0	0	131	0	224	90	125	0	172	15	155	0	173	132	158	0	177	134	0	0	0	0	0	0
900	63	0	62	0	125	0	113	0	0	0	0	0	164	0	256	92	158	0	218	101	168	0	214	132	170	0	208	138	0	0	0	0	0	0
1000	54	0	45	0	107	0	91	0	0	0	0	0	178	0	264	92	172	0	260	100	184	0	239	133	183	0	230	131	0	0	0	0	0	0
1100	67	0	62	0	127	0	116	0	0	0	0	0	180	0	257	92	178	0	261	101	180	0	232	120	180	0	237	132	0	0	0	0	0	0
1200	70	0	65	0	128	0	126	0	0	0	0	0	149	0	237	98	152	0	261	94	156	0	212	103	159	0	210	116	0	0	0	0	0	0
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1500	92	0	83	0	161	0	164	0	0	0	0	0	143	0	233	98	146	0	259	95	151	0	202	104	152	0	200	108	0	0	0	0	0	0
1600	70	0	63	0	139	0	126	0	0	0	0	0	178	0	267	111	172	0	237	101	173	0	244	140	176	0	222	147	0	0	0	0	0	0
1700	69	0	67	0	137	0	126	0	0	0	0	0	165	0	241	105	159	0	239	101	170	0	214	128	173	0	216	142	0	0	0	0	0	0
1800	76	0	72	0	135	0	139	0	0	0	0	0	144	0	259	94	146	0	216	103	155	0	188	134	157	0	180	128	0	0	0	0	0	0
1900	54	0	49	0	96	0	101	0	0	0	0	0	131	0	173	97	131	0	171	82	146	0	159	127	149	0	165	130	0	0	0	0	0	0
2000	65	0	64	0	136	0	143	0	0	0	0	0	128	0	175	15	136	0	214	103	151	0	175	127	153	0	182	137	0	0	0	0	0	0
2100	90	0	88	0	164	0	170	0	0	0	0	0	122	0	178	1	141	0	191	100	149	0	173	117	152	0	181	128	0	0	0	0	0	0
2200	94	0	92	0	181	0	184	0	0	0	0	0	150	0	262	91	138	0	172	37	153	0	176	133	156	0	182	129	0	0	0	0	0	0
2300	98	0	94	0	187	0	191	0	0	0	0	0	152	0	268	104	144	0	213	101	158	0	180	137	160	0	182	140	0	0	0	0	0	0
2400	92	0	86	0	182	0	183	0	0	0	0	0	155	0	261	101	149	0	213	101	159	0	180	129	162	0	182	137	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	487	0	482	0	315	2	315	2	320	0	320	0	54	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	471	0	464	0	315	2	315	2	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	460	0	451	0	315	2	315	2	320	0	320	0	67	0	70	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	480	0	477	0	315	2	315	2	320	0	320	0	45	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	540	0	536	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	610	0	608	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	644	0	642	0	315	2	315	2	320	0	320	0	-29	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	673	0	669	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	691	0	685	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	331	0	331	0	320	0	320	0	312	0	312	0	0	0	0	0	0	0	0	0	320	4	0	7	0	4	0	5	0	2	0	6	0	6	8	1
1400	376	0	378	0	320	0	320	0	376	0	378	0	0	0	0	0	0	0	0	0	320	4	0	1	0	9	0	3	0	5	0	2	8	9	10	7
1500	703	0	700	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	709	0	703	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	696	0	691	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	675	0	669	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	657	0	649	0	315	2	315	2	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	649	0	642	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	646	0	640	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	646	0	639	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	617	0	612	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	599	0	592	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX S	WIND DIR3	MIN 150B	MAX S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	79	0	75	0	162	0	160	0	0	0	0	0	161	0	240	99	152	0	195 101	163	0	180 143	166	0	183 142	0	0	0	0	0	0
200	82	0	78	0	166	0	163	0	0	0	0	0	165	0	244	91	155	0	261 102	164	0	196 136	168	0	218 142	0	0	0	0	0	0
300	86	0	78	0	160	0	163	0	0	0	0	0	157	0	268	96	152	0	237 92	161	0	182 138	163	0	183 133	0	0	0	0	0	0
400	74	0	70	0	146	0	147	0	0	0	0	0	151	0	268	92	150	0	236 102	164	0	188 130	163	0	183 128	0	0	0	0	0	0
500	95	0	87	0	175	0	176	0	0	0	0	0	159	0	253	105	150	0	217 101	162	0	186 134	163	0	183 146	0	0	0	0	0	0
600	130	0	123	0	240	0	248	0	0	0	0	0	119	0	175	21	140	0	215 96	151	0	168 135	154	0	173 135	0	0	0	0	0	0
700	129	0	125	0	225	0	240	0	0	0	0	0	148	0	258	100	142	0	192 102	150	0	182 129	152	0	174 133	0	0	0	0	0	0
800	127	0	123	0	232	0	231	0	0	0	0	0	153	0	262	97	144	0	195 102	159	0	221 131	161	0	188 135	0	0	0	0	0	0
900	122	0	119	0	230	0	220	0	0	0	0	0	177	0	265	91	167	0	261 101	170	0	227 133	173	0	227 133	0	0	0	0	0	0
1000	117	0	105	0	239	0	212	0	0	0	0	0	188	0	268	94	172	0	237 102	179	0	219 154	179	0	221 148	0	0	0	0	0	0
1100	111	0	95	0	208	0	185	0	0	0	0	0	173	0	256	95	176	0	258 90	175	0	217 137	177	0	212 131	0	0	0	0	0	0
1200	98	0	85	0	187	0	166	0	0	0	0	0	184	0	258	105	184	0	258 117	183	0	228 124	183	0	228 123	0	0	0	0	0	0
1300	106	0	85	0	207	0	175	0	0	0	0	0	203	0	269	98	200	0	265 100	195	0	237 151	196	0	223 154	0	0	0	0	0	0
1400	125	0	102	0	213	0	182	0	0	0	0	0	210	0	260	124	206	0	263 144	198	0	219 149	199	0	227 140	0	0	0	0	0	0
1500	113	0	97	0	217	0	186	0	0	0	0	0	199	0	257	104	199	0	265 122	196	0	235 145	195	0	234 149	0	0	0	0	0	0
1600	106	0	90	0	203	0	178	0	0	0	0	0	203	0	251	135	198	0	265 103	194	0	244 120	195	0	231 148	0	0	0	0	0	0
1700	105	0	97	0	211	0	186	0	0	0	0	0	186	0	264	109	183	0	263 106	184	0	247 138	185	0	262 142	0	0	0	0	0	0
1800	87	0	79	0	177	0	152	0	0	0	0	0	184	0	260	96	179	0	245 107	178	0	208 137	180	0	213 144	0	0	0	0	0	0
1900	92	0	85	0	183	0	168	0	0	0	0	0	170	0	258	107	167	0	239 101	178	0	212 140	179	0	208 150	0	0	0	0	0	0
2000	76	0	68	0	164	0	141	0	0	0	0	0	177	0	261	101	174	0	265 101	181	0	213 144	182	0	211 149	0	0	0	0	0	0
2100	74	0	66	0	159	0	141	0	0	0	0	0	176	0	239	90	175	0	262 103	180	0	202 160	181	0	203 159	0	0	0	0	0	0
2200	89	0	78	0	185	0	161	0	0	0	0	0	182	0	258	121	181	0	258 127	182	0	222 144	182	0	210 154	0	0	0	0	0	0
2300	93	0	83	0	186	0	163	0	0	0	0	0	196	0	267	92	184	0	261 103	183	0	206 128	184	0	207 163	0	0	0	0	0	0
2400	99	0	86	0	199	0	170	0	0	0	0	0	203	0	268	91	184	0	261 101	186	0	213 137	188	0	231 155	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	568	0	563	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	565	0	559	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	567	0	561	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	570	0	565	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	572	0	567	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	579	0	574	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	579	0	574	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	592	0	586	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	621	0	615	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	664	0	660	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	705	0	702	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	748	0	743	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	802	0	799	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	819	0	813	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	837	0	833	0	315	2	315	2	320	0	320	0	-29	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	842	0	838	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	831	0	826	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	806	0	802	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	775	0	768	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	748	0	741	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	725	0	720	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	720	0	714	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	709	0	703	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	698	0	693	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	87	0	81	0	190	0	160	0	0	0	0	0	202	0	268	104	191	0	261	99	186	0	216	145	186	0	216	140	0	0	0	0	0	0
200	80	0	70	0	181	0	151	0	0	0	0	0	199	0	269	96	188	0	262	105	189	0	225	144	189	0	222	132	0	0	0	0	0	0
300	89	0	74	0	177	0	154	0	0	0	0	0	203	0	257	130	182	0	260	105	185	0	218	156	185	0	211	159	0	0	0	0	0	0
400	91	0	80	0	192	0	162	0	0	0	0	0	199	0	265	93	182	0	262	101	185	0	217	157	187	0	237	129	0	0	0	0	0	0
500	94	0	78	0	188	0	159	0	0	0	0	0	198	0	268	96	187	0	265	102	186	0	215	146	187	0	218	153	0	0	0	0	0	0
600	93	0	84	0	187	0	166	0	0	0	0	0	192	0	269	91	176	0	242	101	183	0	206	141	182	0	205	148	0	0	0	0	0	0
700	100	0	88	0	195	0	167	0	0	0	0	0	204	0	266	108	184	0	262	100	189	0	217	156	191	0	229	156	0	0	0	0	0	0
800	105	0	89	0	205	0	173	0	0	0	0	0	209	0	268	91	193	0	261	102	192	0	225	153	192	0	229	148	0	0	0	0	0	0
900	104	0	89	0	196	0	166	0	0	0	0	0	231	0	318	183	209	0	262	102	199	0	224	172	199	0	222	164	0	0	0	0	0	0
1000	121	0	97	0	198	0	172	0	0	0	0	0	211	0	268	119	204	0	240	101	202	0	241	163	201	0	231	153	0	0	0	0	0	0
1100	115	0	97	0	183	0	159	0	0	0	0	0	213	0	262	101	214	0	263	149	204	0	232	155	203	0	233	148	0	0	0	0	0	0
1200	111	0	93	0	187	0	156	0	0	0	0	0	215	0	263	93	210	0	265	105	200	0	233	152	202	0	234	147	0	0	0	0	0	0
1300	112	0	100	0	193	0	169	0	0	0	0	0	208	0	269	129	209	0	264	122	205	0	259	152	205	0	250	149	0	0	0	0	0	0
1400	92	0	78	0	160	0	142	0	0	0	0	0	224	0	266	169	219	0	264	123	208	0	244	169	207	0	241	154	0	0	0	0	0	0
1500	111	0	86	0	207	0	182	0	0	0	0	0	208	0	266	137	209	0	260	106	201	0	227	151	200	0	233	146	0	0	0	0	0	0
1600	88	0	71	0	151	0	131	0	0	0	0	0	204	0	266	112	207	0	266	104	197	0	242	135	198	0	241	134	0	0	0	0	0	0
1700	125	0	121	0	170	0	174	0	0	0	0	0	252	0	288	180	250	0	301	191	249	0	307	183	247	0	301	183	0	0	0	0	0	0
1800	69	0	65	0	154	0	133	0	0	0	0	0	182	0	246	96	165	0	237	101	180	0	197	161	181	0	200	151	0	0	0	0	0	0
1900	77	0	73	0	101	0	105	0	0	0	0	0	253	0	289	196	248	0	304	193	240	0	277	183	239	0	270	183	0	0	0	0	0	0
2000	69	0	60	0	110	0	109	0	0	0	0	0	229	0	265	75	234	0	351	192	222	0	240	177	223	0	246	194	0	0	0	0	0	0
2100	47	0	40	0	117	0	101	0	0	0	0	0	191	0	258	93	188	0	262	123	191	0	210	168	192	0	208	167	0	0	0	0	0	0
2200	57	0	46	0	106	0	90	0	0	0	0	0	208	0	255	127	208	0	262	122	199	0	263	172	199	0	248	158	0	0	0	0	0	0
2300	58	0	49	0	103	0	89	0	0	0	0	0	233	0	330	180	213	0	262	127	206	0	268	128	205	0	264	129	0	0	0	0	0	0
2400	88	0	79	0	130	0	127	0	0	0	0	0	231	0	266	172	232	0	284	190	221	0	257	182	220	0	251	191	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	691	0	685	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	673	0	667	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	666	0	658	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	660	0	655	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	657	0	651	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	649	0	642	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	655	0	649	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	671	0	666	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	689	0	684	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	711	0	705	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	741	0	736	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	772	0	766	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	774	0	768	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	777	0	772	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	795	0	790	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	775	0	770	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	738	0	732	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	675	0	669	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	696	0	691	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	682	0	676	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	669	0	664	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	675	0	669	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	666	0	660	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	667	0	662	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	65	0	55	0	102	0	96	0	0	0	0	0	225	0	268	148	221	0	262	123	214	0	240	172	215	0	233	185	0	0	0	0	0	0
200	74	0	61	0	119	0	109	0	0	0	0	0	223	0	263	103	220	0	262	103	215	0	240	186	214	0	238	185	0	0	0	0	0	0
300	50	0	41	0	87	0	84	0	0	0	0	0	222	0	259	148	222	0	262	124	215	0	242	182	216	0	238	191	0	0	0	0	0	0
400	113	0	108	0	160	0	167	0	0	0	0	0	248	0	281	205	244	0	283	194	240	0	269	202	238	0	261	199	0	0	0	0	0	0
500	72	0	60	0	110	0	107	0	0	0	0	0	227	0	261	184	222	0	262	172	219	0	246	195	220	0	237	200	0	0	0	0	0	0
600	69	0	56	0	102	0	103	0	0	0	0	0	223	0	257	183	222	0	259	169	222	0	245	202	223	0	246	201	0	0	0	0	0	0
700	59	0	53	0	81	0	88	0	0	0	0	0	237	0	269	198	235	0	281	191	236	0	268	200	234	0	259	209	0	0	0	0	0	0
800	31	0	25	0	76	0	64	0	0	0	0	0	195	0	264	121	186	3	262	105	192	0	206	161	192	0	212	174	0	0	0	0	0	0
900	36	0	27	0	80	0	67	0	0	0	0	0	199	0	266	104	191	3	262	100	192	0	231	152	191	0	216	157	0	0	0	0	0	0
1000	37	0	29	0	69	0	60	0	0	0	0	0	209	0	269	97	209	3	262	105	204	0	228	171	202	0	226	179	0	0	0	0	0	0
1100	71	0	65	0	94	0	102	0	0	0	0	0	245	0	330	211	242	0	307	191	238	0	264	211	238	0	261	213	0	0	0	0	0	0
1200	80	0	77	0	105	0	113	0	0	0	0	0	248	0	282	218	245	0	284	213	251	0	272	240	249	0	266	234	0	0	0	0	0	0
1300	59	0	52	0	66	0	70	0	0	0	0	0	255	0	305	208	253	0	307	213	228	0	267	163	228	0	259	158	0	0	0	0	0	0
1400	79	0	74	0	79	0	85	0	0	0	0	0	257	0	307	194	254	0	327	194	241	0	267	195	239	0	265	182	0	0	0	0	0	0
1500	81	0	78	0	76	0	80	0	0	0	0	0	260	0	275	240	256	0	284	233	266	0	289	245	263	0	281	245	0	0	0	0	0	0
1600	26	0	20	0	33	0	33	0	0	0	0	0	227	0	296	180	213	3	264	147	213	0	263	155	214	0	258	169	0	0	0	0	0	0
1700	14	0	11	0	19	0	19	0	0	0	0	0	174	0	256	90	168	3	261	101	184	0	262	149	184	0	267	100	0	0	0	0	0	0
1800	14	0	10	0	26	0	26	0	0	0	0	0	218	0	267	162	216	3	263	146	212	0	234	185	214	0	236	195	0	0	0	0	0	0
1900	28	0	23	0	62	0	54	0	0	0	0	0	176	0	255	101	175	3	263	125	181	0	196	163	182	0	196	166	0	0	0	0	0	0
2000	67	0	58	0	123	0	113	0	0	0	0	0	171	0	264	117	160	0	239	101	171	0	202	145	174	0	195	134	0	0	0	0	0	0
2100	54	0	49	0	114	0	105	0	0	0	0	0	177	0	261	90	167	0	258	101	177	0	214	159	178	0	216	162	0	0	0	0	0	0
2200	52	0	46	0	110	0	104	0	0	0	0	0	156	0	227	100	156	0	269	102	168	0	192	130	169	0	185	149	0	0	0	0	0	0
2300	55	0	48	0	121	0	116	0	0	0	0	0	156	0	250	95	153	0	214	101	164	0	182	138	166	0	179	142	0	0	0	0	0	0
2400	55	0	49	0	124	0	106	0	0	0	0	0	183	0	263	109	179	0	258	104	183	0	202	156	184	0	200	154	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	635	0	628	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	631	0	624	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	635	0	630	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	635	0	630	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	619	0	613	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	619	0	613	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	626	0	619	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	619	0	613	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	619	0	613	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	631	0	626	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	639	0	633	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	637	0	631	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	667	0	664	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	682	0	676	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	682	0	676	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	700	0	694	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	702	0	698	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	709	0	703	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	673	0	667	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	657	0	649	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	624	0	619	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	608	0	601	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	604	0	597	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	608	0	603	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	52	0	40	0	129	0	110	0	0	0	0	0	208	0	259	136	199	0	262	123	198	0	223	170	199	0	221	169	0	0	0	0	0	0
200	79	0	65	0	122	0	114	0	0	0	0	0	223	0	268	130	219	0	261	146	211	0	230	177	212	0	255	168	0	0	0	0	0	0
300	58	0	46	0	97	0	85	0	0	0	0	0	227	0	320	180	227	0	304	191	204	0	246	142	204	0	248	158	0	0	0	0	0	0
400	41	0	34	0	77	0	67	0	0	0	0	0	189	0	249	91	180	0	262	101	187	0	212	143	189	0	212	153	0	0	0	0	0	0
500	53	0	40	0	103	0	92	0	0	0	0	0	216	0	262	91	216	0	262	126	206	0	231	183	206	0	235	162	0	0	0	0	0	0
600	57	0	45	0	95	0	83	0	0	0	0	0	224	0	328	183	211	0	261	146	206	0	226	176	206	0	227	182	0	0	0	0	0	0
700	72	0	63	0	100	0	105	0	0	0	0	0	232	0	264	198	230	0	280	182	228	0	255	200	228	0	256	197	0	0	0	0	0	0
800	120	0	115	0	158	0	168	0	0	0	0	0	250	0	269	213	246	0	262	197	246	0	260	234	244	0	256	224	0	0	0	0	0	0
900	119	0	117	0	155	0	165	0	0	0	0	0	266	0	289	235	261	0	303	216	260	0	273	227	258	0	267	219	0	0	0	0	0	0
1000	112	0	104	0	133	0	140	0	0	0	0	0	268	0	296	240	262	0	306	235	266	0	279	258	262	0	275	251	0	0	0	0	0	0
1100	75	0	67	0	109	0	114	0	0	0	0	0	262	0	292	227	254	0	285	192	259	0	290	230	257	0	278	227	0	0	0	0	0	0
1200	69	0	63	0	74	0	81	0	0	0	0	0	262	0	294	191	256	0	325	191	255	0	296	225	249	0	289	203	0	0	0	0	0	0
1300	63	0	55	0	64	0	67	0	0	0	0	0	261	0	305	221	253	0	349	210	267	0	295	224	264	0	307	216	0	0	0	0	0	0
1400	60	0	54	0	54	0	57	0	0	0	0	0	260	0	304	226	254	0	332	195	274	0	325	225	273	0	323	234	0	0	0	0	0	0
1500	39	0	34	0	43	0	46	0	0	0	0	0	294	0	347	242	285	0	353	217	306	0	340	277	301	0	334	266	0	0	0	0	0	0
1600	20	0	17	0	30	0	33	0	0	0	0	0	327	3	177	275	307	3	353	214	318	0	353	265	313	0	355	264	0	0	0	0	0	0
1700	23	0	21	0	25	0	28	0	0	0	0	0	352	3	136	286	345	3	83	281	345	3	44	294	340	3	41	289	0	0	0	0	0	0
1800	27	0	22	0	21	0	24	0	0	0	0	0	122	0	142	104	124	0	149	83	131	0	165	107	135	0	177	107	0	0	0	0	0	0
1900	38	0	33	0	49	0	53	0	0	0	0	0	156	0	231	90	154	0	214	103	162	0	168	155	165	0	173	159	0	0	0	0	0	0
2000	41	0	38	0	78	0	81	0	0	0	0	0	144	0	218	99	143	0	214	98	149	0	162	125	152	0	165	131	0	0	0	0	0	0
2100	48	0	44	0	65	0	67	0	0	0	0	0	105	0	125	88	105	0	126	80	112	0	118	104	116	0	122	109	0	0	0	0	0	0
2200	58	0	52	0	88	0	90	0	0	0	0	0	106	0	121	89	104	0	127	59	112	0	122	94	115	0	129	105	0	0	0	0	0	0
2300	60	0	52	0	89	0	94	0	0	0	0	0	119	0	128	106	121	0	147	100	122	0	131	107	126	0	133	111	0	0	0	0	0	0
2400	63	0	57	0	91	0	91	0	0	0	0	0	62	0	121	2	32	0	128	285	73	0	127	0	50	0	125	330	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	612	0	606	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	631	0	626	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	635	0	630	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	631	0	624	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	635	0	630	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	648	0	640	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	651	0	648	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	658	0	655	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	662	0	657	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	671	0	667	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	671	0	667	0	315	2	315	2	320	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	694	0	689	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	702	0	702	0	680	0	671	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	154	0
1400	711	0	707	0	682	0	678	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	154	0
1500	729	0	725	0	676	0	671	0	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	154	0
1600	720	0	716	0	673	0	669	0	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	154	0
1700	685	0	678	0	666	0	658	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	154	0
1800	666	0	658	0	653	0	646	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	155	0
1900	664	0	657	0	664	0	657	0	320	0	320	0	14	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	155	0
2000	658	0	651	0	666	0	658	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	155	0
2100	651	0	644	0	662	0	657	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	155	0
2200	649	0	644	0	651	0	644	0	320	0	320	0	16	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	155	0
2300	649	0	642	0	648	0	642	0	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	155	0
2400	648	0	640	0	646	0	640	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	160	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 5 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	B S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	54	0	51	0	87	0	89	0	0	0	0	0	107	0	166	74	106	0	173	77	96	0	118	72	98	0	119	64	0	0	0	0	0	0
200	71	0	65	0	98	0	97	0	0	0	0	0	95	0	115	83	95	0	125	77	89	0	103	79	90	0	111	79	0	0	0	0	0	0
300	72	0	62	0	82	0	81	0	0	0	0	0	21	0	62	321	14	0	60	283	18	0	61	312	14	0	53	320	0	0	0	0	0	0
400	72	0	75	0	95	0	110	0	0	0	0	0	70	0	110	47	67	0	105	33	59	0	88	38	59	0	90	33	0	0	0	0	0	0
500	72	0	76	0	100	0	119	0	0	0	0	0	71	0	95	42	66	0	102	33	62	0	77	45	62	0	81	45	0	0	0	0	0	0
600	83	0	78	0	102	0	113	0	0	0	0	0	86	0	111	52	83	0	123	56	73	0	100	49	73	0	101	53	0	0	0	0	0	0
700	64	0	70	0	98	0	98	0	0	0	0	0	90	0	122	60	90	0	127	56	81	0	108	62	81	0	107	62	0	0	0	0	0	0
800	57	0	54	0	70	0	77	0	0	0	0	0	83	0	99	64	79	0	125	56	75	0	97	64	74	0	89	59	0	0	0	0	0	0
900	31	0	29	0	42	0	41	0	0	0	0	0	18	0	80	316	12	3	82	285	10	0	48	326	8	0	75	331	0	0	0	0	0	0
1000	27	0	23	0	25	0	25	0	0	0	0	0	341	3	42	288	334	3	80	278	352	3	61	278	355	3	168	296	0	0	0	0	0	0
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1500	65	0	60	0	77	0	76	0	0	0	0	0	331	0	34	278	324	0	11	278	335	0	4	270	330	0	4	274	0	0	0	0	0	0
1600	58	0	56	0	75	0	79	0	0	0	0	0	329	0	13	276	319	0	352	259	337	0	13	293	330	0	8	284	0	0	0	0	0	0
1700	41	0	35	0	64	0	66	0	0	0	0	0	10	0	121	306	5	0	175	284	1	0	81	285	355	0	50	308	0	0	0	0	0	0
1800	56	0	51	0	97	0	95	0	0	0	0	0	28	0	74	302	21	0	105	329	8	0	48	335	5	0	45	330	0	0	0	0	0	0
1900	60	0	56	0	87	0	84	0	0	0	0	0	38	0	70	23	33	0	78	1	25	0	53	8	22	0	55	2	0	0	0	0	0	0
2000	67	0	67	0	98	0	104	0	0	0	0	0	49	0	65	35	46	0	79	14	43	0	52	34	40	0	47	30	0	0	0	0	0	0
2100	70	0	70	0	100	0	123	0	0	0	0	0	75	0	89	60	73	0	103	56	63	0	69	55	63	0	71	56	0	0	0	0	0	0
2200	83	0	79	0	116	0	142	0	0	0	0	0	79	0	89	64	76	0	99	57	64	0	70	56	64	0	75	59	0	0	0	0	0	0
2300	75	0	71	0	112	0	122	0	0	0	0	0	95	0	107	81	92	0	105	60	74	0	86	63	73	0	93	64	0	0	0	0	0	0
2400	76	0	72	0	122	0	118	0	0	0	0	0	102	0	113	92	102	0	124	82	79	0	92	74	79	0	98	73	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	644	0	637	0	649	0	644	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	165	0
200	642	0	635	0	633	0	628	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	165	0
300	637	0	631	0	626	0	621	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	177	0
400	619	0	613	0	608	0	603	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
500	604	0	597	0	597	0	592	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
600	601	0	594	0	595	0	590	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
700	597	0	590	0	590	0	585	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
800	603	0	597	0	595	0	588	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
900	662	0	658	0	628	0	621	0	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1000	691	0	687	0	666	0	662	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	705	0	700	0	660	0	655	0	320	0	320	0	-43	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1600	702	0	696	0	660	0	657	0	320	0	320	0	-40	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1700	694	0	689	0	664	0	658	0	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1800	669	0	666	0	655	0	649	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1900	644	0	637	0	644	0	639	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
2000	630	0	622	0	642	0	637	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
2100	590	0	583	0	635	0	630	0	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
2200	594	0	586	0	633	0	626	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
2300	595	0	590	0	619	0	613	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
2400	592	0	585	0	621	0	615	0	320	0	320	0	31	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	84	0	78	0	140	0	140	0	0	0	0	0	112	0	117	106	110	0	125	101	92	0	97	88	93	0	98	88	0	0	0	0	0	0
200	90	0	85	0	156	0	156	0	0	0	0	0	107	0	115	95	105	0	125	82	93	0	94	91	94	0	97	92	0	0	0	0	0	0
300	90	0	83	0	152	0	154	0	0	0	0	0	113	0	125	103	114	0	144	82	105	0	109	103	107	0	111	104	0	0	0	0	0	0
400	98	0	91	0	160	0	163	0	0	0	0	0	124	0	133	119	126	0	148	105	112	0	117	108	114	0	120	110	0	0	0	0	0	0
500	88	0	89	0	140	0	146	0	0	0	0	0	129	0	136	122	127	0	146	123	126	0	129	122	129	0	133	126	0	0	0	0	0	0
600	71	0	68	0	167	0	173	0	0	0	0	0	135	0	204	110	136	0	192	101	149	0	153	138	152	0	157	146	0	0	0	0	0	0
700	84	0	85	0	159	0	166	0	0	0	0	0	123	0	138	108	127	0	168	100	144	0	151	132	147	0	160	136	0	0	0	0	0	0
800	91	0	90	0	135	0	141	0	0	0	0	0	123	0	144	109	124	0	170	100	138	0	164	119	141	0	173	126	0	0	0	0	0	0
900	83	0	84	0	151	0	154	0	0	0	0	0	139	0	252	99	132	0	171	58	150	0	177	125	157	0	143	130	0	0	0	0	0	0
1000	97	0	89	0	178	0	180	0	0	0	0	0	146	0	253	94	149	0	235	100	154	0	178	126	157	0	181	122	0	0	0	0	0	0
1100	90	0	85	0	157	0	161	0	0	0	0	0	143	0	214	98	147	0	258	100	155	0	183	131	157	0	181	131	0	0	0	0	0	0
1200	103	0	101	0	181	0	181	0	0	0	0	0	160	0	225	103	153	0	235	97	164	0	198	133	164	0	186	131	0	0	0	0	0	0
1300	113	0	107	0	212	0	219	0	0	0	0	0	150	0	191	96	152	0	217	100	154	0	188	102	158	0	183	120	0	0	0	0	0	0
1400	111	0	103	0	197	0	190	0	0	0	0	0	165	0	206	103	164	0	265	98	166	0	203	138	168	0	213	140	0	0	0	0	0	0
1500	108	0	101	0	204	0	188	0	0	0	0	0	167	0	263	106	165	0	235	95	168	0	211	135	170	0	211	113	0	0	0	0	0	0
1600	106	0	103	0	191	0	181	0	0	0	0	0	167	0	236	111	166	0	260	97	171	0	215	132	173	0	203	140	0	0	0	0	0	0
1700	74	0	74	0	156	0	147	0	0	0	0	0	162	0	222	92	157	0	257	99	164	0	194	137	166	0	211	134	0	0	0	0	0	0
1800	87	0	82	0	179	0	161	0	0	0	0	0	169	0	235	111	166	0	239	102	174	0	210	146	176	0	202	149	0	0	0	0	0	0
1900	57	0	57	0	169	0	0	2	0	0	0	0	165	0	106	196	67	2	97	28	170	0	153	190	6	2	-1	13	0	0	0	0	0	0
2000	29	0	30	0	161	0	0	2	0	0	0	0	156	0	119	194	110	2	143	88	176	0	154	195	4	2	-3	12	0	0	0	0	0	0
2100	8	0	10	0	150	0	0	2	0	0	0	0	164	0	123	203	193	2	269	109	177	0	159	195	-19	2	-27	4	0	0	0	0	0	0
2200	19	0	23	0	152	0	0	2	0	0	0	0	172	0	123	198	171	2	191	135	179	0	163	203	14	2	4	20	0	0	0	0	0	0
2300	24	0	26	0	169	0	0	2	0	0	0	0	163	0	124	196	131	2	188	100	190	0	167	205	6	2	-1	13	0	0	0	0	0	0
2400	14	0	16	0	177	0	0	2	0	0	0	0	191	0	156	231	352	2	104	271	198	0	176	213	4	2	-3	12	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	583	0	576	0	615	0	610	0	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
200	572	0	565	0	617	0	612	0	320	0	320	0	47	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
300	563	0	558	0	604	0	599	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
400	567	0	561	0	608	0	603	0	320	0	320	0	43	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
500	567	0	561	0	594	0	588	0	320	0	320	0	29	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
600	559	0	552	0	581	0	576	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
700	574	0	568	0	588	0	583	0	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
800	608	0	604	0	604	0	597	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
900	662	0	662	0	649	0	639	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
1000	702	0	678	0	684	0	678	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1100	721	0	718	0	707	0	702	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1200	759	0	754	0	734	0	727	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1300	774	0	770	0	752	0	743	0	320	0	320	0	-22	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1400	786	0	781	0	763	0	759	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1500	806	0	801	0	781	0	775	0	320	0	320	0	-22	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1600	806	0	801	0	786	0	781	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1700	811	0	806	0	790	0	784	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1800	786	0	779	0	779	0	772	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	178	0
1900	687	0	687	0	544	2	543	2	674	0	387	0	8	0	8	0	0	0	0	0	676	0	684	0	200	2	0	0	0	0	0	0	0	0	8	0
2000	655	0	655	0	553	2	554	2	646	0	550	0	4	0	4	0	0	0	0	0	648	0	652	0	127	2	0	0	0	0	0	0	0	0	8	0
2100	652	0	652	0	555	2	557	2	641	0	574	0	8	0	8	0	0	0	0	0	643	0	650	0	99	2	0	0	0	0	0	0	0	0	8	0
2200	652	0	652	0	546	2	546	2	608	0	573	0	41	0	41	0	0	0	0	0	609	0	650	0	222	2	0	0	0	0	0	0	0	0	7	6
2300	624	0	624	0	568	2	571	2	585	0	540	0	35	0	35	0	0	0	0	0	587	0	621	0	200	2	0	0	0	0	0	0	0	0	7	0
2400	613	0	613	0	586	2	588	2	592	0	509	0	19	0	19	0	0	0	0	0	594	0	612	0	127	2	0	0	0	0	0	0	0	0	7	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	B S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	30	0	32	0	165	0	0	2	0	0	0	0	205	0	170	237	138	2	167	110	205	0	182	224	-19	2	-27	4	0	0	0	0	0	0
200	11	0	14	0	184	0	0	2	0	0	0	0	214	0	188	246	170	2	206	123	212	0	190	234	14	2	4	20	0	0	0	0	0	0
300	36	0	38	0	182	0	0	2	0	0	0	0	221	0	185	245	95	2	113	70	216	0	186	239	6	2	-1	13	0	0	0	0	0	0
400	36	0	38	0	169	0	0	2	0	0	0	0	233	0	203	259	63	2	84	48	228	0	203	246	4	2	-3	12	0	0	0	0	0	0
500	22	0	24	0	184	0	0	2	0	0	0	0	230	0	206	264	112	2	179	82	225	0	203	248	-19	2	-27	4	0	0	0	0	0	0
600	32	0	34	0	192	0	0	2	0	0	0	0	227	0	198	263	118	2	167	59	234	0	209	251	14	2	4	20	0	0	0	0	0	0
700	14	0	16	0	188	0	0	2	0	0	0	0	237	0	212	262	96	2	172	43	234	0	210	252	6	2	-1	13	0	0	0	0	0	0
800	20	0	22	0	167	0	0	2	0	0	0	0	245	0	227	275	125	2	179	18	233	0	214	252	4	2	-3	12	0	0	0	0	0	0
900	34	0	38	0	219	0	0	2	0	0	0	0	241	0	224	262	166	2	226	118	236	0	219	249	-19	2	-27	4	0	0	0	0	0	0
1000	63	0	66	0	202	0	0	2	0	0	0	0	248	0	230	269	150	2	200	114	235	0	219	249	14	2	4	20	0	0	0	0	0	0
1100	58	0	63	0	215	0	0	2	0	0	0	0	244	0	224	271	153	2	206	102	241	0	221	254	6	2	-1	13	0	0	0	0	0	0
1200	71	0	78	0	211	0	0	2	0	0	0	0	249	0	236	272	183	2	249	129	255	0	239	271	4	2	-3	12	0	0	0	0	0	0
1300	79	0	87	0	71	0	0	2	0	0	0	0	287	0	239	323	201	2	254	149	295	0	262	318	-19	2	-27	4	0	0	0	0	0	0
1400	77	0	91	0	119	0	0	2	0	0	0	0	282	0	257	311	197	2	250	150	304	0	264	324	14	2	4	20	0	0	0	0	0	0
1500	69	0	77	0	146	0	0	2	0	0	0	0	199	0	242	164	202	2	232	163	2	0	332	28	6	2	-1	13	0	0	0	0	0	0
1600	68	0	76	0	25	0	0	2	0	0	0	0	199	0	225	175	202	2	237	177	316	0	270	7	4	2	-3	12	0	0	0	0	0	0
1700	82	0	97	0	50	0	0	2	0	0	0	0	191	0	213	156	195	2	220	163	19	0	349	35	-19	2	-27	4	0	0	0	0	0	0
1800	59	0	75	0	25	0	0	2	0	0	0	0	178	0	203	150	179	2	204	148	14	0	350	34	14	2	4	20	0	0	0	0	0	0
1900	49	0	60	0	36	0	0	2	0	0	0	0	170	0	192	138	172	2	203	149	246	0	245	261	6	2	-1	13	0	0	0	0	0	0
2000	34	0	39	0	52	0	0	2	0	0	0	0	318	0	298	345	166	2	219	128	316	0	299	329	4	2	-3	11	0	0	0	0	0	0
2100	35	0	40	0	59	0	0	2	0	0	0	0	280	0	259	290	199	2	226	172	277	0	270	289	-6	2	-27	16	0	0	0	0	0	0
2200	27	0	28	0	55	0	0	2	0	0	0	0	323	0	298	352	231	2	285	190	332	0	324	341	15	2	13	20	0	0	0	0	0	0
2300	59	0	76	0	55	0	0	2	0	0	0	0	348	0	329	11	190	2	207	160	343	0	327	356	3	2	2	5	0	0	0	0	0	0
2400	39	0	49	0	73	0	0	2	0	0	0	0	8	0	350	33	192	2	211	158	357	0	341	12	4	2	-3	11	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	611	0	611	0	556	2	561	2	580	0	486	0	29	0	29	0	0	0	0	0	580	0	609	0	99	2	0	0	0	0	0	0	0	0	7	0
200	601	0	601	0	564	2	569	2	574	0	472	0	24	0	24	0	0	0	0	0	575	0	599	0	222	2	0	0	0	0	0	0	0	0	7	0
300	588	0	588	0	560	2	564	2	565	0	455	0	20	0	20	0	0	0	0	0	565	0	584	0	200	2	0	0	0	0	0	0	0	0	7	0
400	590	0	590	0	562	2	565	2	567	0	452	0	21	0	21	0	0	0	0	0	567	0	588	0	127	2	0	0	0	0	0	0	0	0	7	0
500	577	0	577	0	559	2	564	2	574	0	433	0	-1	0	-1	0	0	0	0	0	575	0	573	0	99	2	0	0	0	0	0	0	0	0	8	0
600	590	0	590	0	571	2	575	2	588	0	446	0	-2	0	-2	0	0	0	0	0	589	0	586	0	222	2	0	0	0	0	0	0	0	0	8	0
700	600	0	600	0	576	2	579	2	599	0	464	0	-4	0	-4	0	0	0	0	0	599	0	595	0	200	2	0	0	0	0	0	0	0	0	7	6
800	632	0	632	0	591	2	593	2	637	0	517	0	-10	0	-10	0	0	0	0	0	635	0	625	0	127	2	0	0	0	0	0	0	0	0	4	6
900	662	0	662	0	599	2	600	2	677	2	556	2	-14	0	-14	0	0	0	0	0	676	0	651	0	99	2	0	0	0	0	0	0	0	0	5	0
1000	686	0	686	0	599	2	598	2	-2	2	-2	2	-12	0	-12	0	0	0	0	0	699	0	686	0	222	2	0	0	0	0	0	0	0	0	4	6
1100	710	0	710	0	603	2	599	2	-2	2	-2	2	-17	0	-17	0	0	0	0	0	726	0	709	0	200	2	0	0	0	0	0	0	0	0	4	0
1200	742	0	742	0	606	2	601	2	-2	2	-2	2	-18	0	-18	0	0	0	0	0	760	0	741	0	127	2	0	0	0	0	0	0	0	0	2	6
1300	760	0	760	0	627	2	621	2	-2	2	-2	2	-23	0	-23	0	0	0	0	0	782	0	759	0	99	2	0	0	0	0	0	0	0	0	2	0
1400	773	0	773	0	645	2	638	2	-2	2	-2	2	-18	0	-18	0	0	0	0	0	790	0	772	0	222	2	0	0	0	0	0	0	0	0	3	0
1500	785	0	785	0	654	2	648	2	-2	2	-2	2	-14	0	-14	0	0	0	0	0	798	0	783	0	200	2	0	0	0	0	0	0	0	0	2	6
1600	783	0	783	0	662	2	656	2	-2	2	-2	2	-7	0	-7	0	0	0	0	0	787	0	780	0	127	2	0	0	0	0	0	0	0	0	2	0
1700	775	0	775	0	668	2	664	2	-2	2	-2	2	-7	0	-7	0	0	0	0	0	780	0	773	0	99	2	0	0	0	0	0	0	0	0	2	0
1800	760	0	760	0	673	2	669	2	-2	2	-2	2	-5	0	-5	0	0	0	0	0	761	0	756	0	222	2	0	0	0	0	0	0	0	0	2	0
1900	748	0	748	0	677	2	674	2	-2	2	-2	2	-1	0	-1	0	0	0	0	0	748	0	746	0	200	2	0	0	0	0	0	0	0	0	2	0
2000	733	0	733	0	682	2	679	2	-2	2	-2	2	1	0	1	0	0	0	0	0	729	0	730	0	128	2	0	0	0	0	0	0	0	0	3	0
2100	717	0	717	0	687	2	685	2	-2	2	-2	2	2	0	2	0	0	0	0	0	713	0	715	0	92	2	0	0	0	0	0	0	0	0	2	6
2200	711	0	711	0	681	2	679	2	-2	2	-2	2	9	0	9	0	0	0	0	0	699	0	707	0	182	2	0	0	0	0	0	0	0	0	2	0
2300	700	0	700	0	681	2	679	2	-2	2	-2	2	1	0	1	0	0	0	0	0	699	0	697	0	151	2	0	0	0	0	0	0	0	0	3	0
2400	692	0	692	0	682	2	681	2	-2	2	-2	2	1	0	1	0	0	0	0	0	690	0	689	0	128	2	0	0	0	0	0	0	0	0	3	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	36	0	43	0	84	0	0	2	0	0	0	0	19	0	359	41	194	2	241	157	358	0	342	11	-6	2	-27	16	0	0	0	0	0
200	59	0	54	0	84	0	0	2	0	0	0	0	28	0	9	45	246	2	293	185	11	0	357	21	15	2	13	20	0	0	0	0	0
300	36	0	36	0	92	0	0	2	0	0	0	0	36	0	16	48	275	2	342	187	15	0	2	28	3	2	2	5	0	0	0	0	0
400	40	0	39	0	67	0	0	2	0	0	0	0	71	0	46	90	242	2	317	184	41	0	19	56	4	2	-3	12	0	0	0	0	0
500	40	0	35	0	121	0	0	2	0	0	0	0	39	0	27	56	260	2	304	191	23	0	12	35	-19	2	-27	4	0	0	0	0	0
600	64	0	66	0	65	0	0	2	0	0	0	0	81	0	66	109	222	2	256	167	43	0	34	56	14	2	4	20	0	0	0	0	0
700	63	0	65	0	46	0	0	2	0	0	0	0	125	0	108	144	223	2	265	189	56	0	35	80	6	2	-1	13	0	0	0	0	0
800	65	0	61	0	21	0	0	2	0	0	0	0	143	0	125	161	241	2	298	205	91	0	73	105	4	2	-3	12	0	0	0	0	0
900	31	0	31	0	63	0	0	2	0	0	0	0	133	0	114	155	243	2	336	196	119	0	111	134	-19	2	-27	4	0	0	0	0	0
1000	36	0	38	0	46	0	0	2	0	0	0	0	100	0	82	120	306	2	337	271	90	0	71	111	14	2	4	20	0	0	0	0	0
1100	30	0	32	0	48	0	0	2	0	0	0	0	97	0	78	120	347	2	21	314	101	0	70	116	6	2	-1	13	0	0	0	0	0
1200	50	0	52	0	36	0	0	2	0	0	0	0	54	0	28	86	319	2	359	266	60	0	24	87	4	2	-3	12	0	0	0	0	0
1300	64	0	67	0	77	0	0	2	0	0	0	0	38	0	2	52	314	2	348	271	17	0	359	33	-19	2	-27	4	0	0	0	0	0
1400	64	0	65	0	55	0	0	2	0	0	0	0	37	0	10	66	315	2	352	278	35	0	11	52	14	2	4	20	0	0	0	0	0
1500	82	0	82	0	109	0	0	2	0	0	0	0	33	0	11	62	325	2	15	281	16	0	353	29	6	2	-1	13	0	0	0	0	0
1600	0	2	0	2	155	0	0	2	0	2	0	2	44	0	23	65	0	2	0	0	26	0	7	45	0	2	0	0	0	2	0	0	2
1700	0	2	0	2	200	0	0	2	0	2	0	2	30	0	11	54	0	2	0	0	18	0	3	35	0	2	0	0	0	2	0	0	2
1800	80	0	0	2	142	0	0	2	0	2	0	2	54	0	28	75	0	2	0	0	44	0	26	64	0	2	0	0	0	2	0	0	2
1900	71	0	0	2	102	0	0	2	0	2	0	2	55	0	35	77	0	2	0	0	53	0	34	61	0	2	0	0	0	2	0	0	2
2000	65	0	63	0	80	0	0	2	0	0	0	0	88	0	66	102	1	2	33	339	79	0	68	97	4	2	-3	12	0	0	0	0	0
2100	65	0	68	0	71	0	0	2	0	0	0	0	74	0	53	84	42	2	95	11	78	0	65	87	-19	2	-27	4	0	0	0	0	0
2200	63	0	56	0	71	0	0	2	0	0	0	0	133	0	123	156	16	2	51	349	78	0	56	98	14	2	4	20	0	0	0	0	0
2300	65	0	63	0	148	0	0	2	0	0	0	0	57	0	34	83	19	2	59	332	28	0	9	44	6	2	-1	13	0	0	0	0	0
2400	82	0	40	0	94	0	0	2	0	0	0	0	92	0	70	114	75	2	102	41	77	0	56	96	4	2	-3	12	0	0	0	0	0

	AMB. TEM1 .30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	684	0	684	0	677	2	677	2	-2	2	-2	2	-1	0	-1	0	0	0	0	0	682	0	681	0	92	2	0	0	0	0	0	0	0	0	2	6
200	688	0	688	0	679	2	679	2	-2	2	-2	2	4	0	4	0	0	0	0	0	682	0	685	0	182	2	0	0	0	0	0	0	0	0	3	0
300	694	0	694	0	682	2	681	2	-2	2	-2	2	0	0	0	0	0	0	0	0	691	0	691	0	151	2	0	0	0	0	0	0	0	0	2	6
400	703	0	703	0	686	2	686	2	-2	2	-2	2	1	0	1	0	0	0	0	0	701	0	700	0	127	2	0	0	0	0	0	0	0	0	2	0
500	699	0	699	0	683	2	683	2	-2	2	-2	2	-1	0	-1	0	0	0	0	0	697	0	696	0	99	2	0	0	0	0	0	0	0	0	3	0
600	691	0	691	0	680	2	679	2	-2	2	-2	2	-5	0	-5	0	0	0	0	0	692	0	688	0	222	2	0	0	0	0	0	0	0	0	2	6
700	690	0	690	0	675	2	676	2	-2	2	-2	2	-7	0	-7	0	0	0	0	0	695	0	688	0	200	2	0	0	0	0	0	0	0	0	2	0
800	696	0	696	0	677	2	676	2	-2	2	-2	2	-11	0	-11	0	0	0	0	0	706	0	695	0	127	2	0	0	0	0	0	0	0	0	2	0
900	711	0	711	0	678	2	675	2	-2	2	-2	2	-15	0	-15	0	0	0	0	0	724	0	708	0	99	2	0	0	0	0	0	0	0	0	2	0
1000	707	0	707	0	682	2	677	2	-2	2	-2	2	-15	0	-15	0	0	0	0	0	718	0	702	0	222	2	0	0	0	0	0	0	0	0	3	0
1100	722	0	722	0	683	2	677	2	-2	2	-2	2	-14	0	-14	0	0	0	0	0	733	0	719	0	200	2	0	0	0	0	0	0	0	0	3	0
1200	744	0	744	0	664	2	659	2	-2	2	-2	2	-13	0	-13	0	0	0	0	0	755	0	741	0	127	2	0	0	0	0	0	0	0	0	3	0
1300	742	0	742	0	670	2	664	2	-2	2	-2	2	-4	0	-4	0	0	0	0	0	744	0	740	0	99	2	0	0	0	0	0	0	0	0	2	6
1400	745	0	745	0	672	2	666	2	-2	2	-2	2	-11	0	-11	0	0	0	0	0	754	0	743	0	222	2	0	0	0	0	0	0	0	0	3	0
1500	744	0	744	0	674	2	667	2	-2	2	-2	2	-16	0	-16	0	0	0	0	0	759	0	742	0	200	2	0	0	0	0	0	0	0	0	2	6
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	705	0	705	0	612	2	609	2	-2	2	-2	2	6	0	6	0	0	0	0	0	696	0	702	0	127	2	0	0	0	0	0	0	0	0	2	0
2100	691	0	691	0	596	2	592	2	-2	2	-2	2	2	0	2	0	0	0	0	0	686	0	688	0	99	2	0	0	0	0	0	0	0	0	2	0
2200	677	0	677	0	578	2	574	2	-2	2	-2	2	1	0	1	0	0	0	0	0	674	0	674	0	222	2	0	0	0	0	0	0	0	0	2	0
2300	665	0	665	0	557	2	556	2	-2	2	-2	2	-2	0	-2	0	0	0	0	0	664	0	662	0	200	2	0	0	0	0	0	0	0	0	2	0
2400	653	0	653	0	550	2	551	2	-2	2	-2	2	1	0	1	0	0	0	0	0	651	0	650	0	127	2	0	0	0	0	0	0	0	0	3	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

	WIND SPD1 50 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		MIN 50	MAX B	S	WIND DIR2		MIN 150A	MAX	S	WIND DIR3		MIN 150B	MAX	S	WIND DIR4		MIN S	MAX	S	WIND DIR5		MIN S	MAX	S	WIND DIR6	
100	94	0	45	0	117	0	0	2	0	0	0	0	63	0	48	81		11	2	77	336		61	0	37	73		-19	2	-27	4		0	0	0	0	0	0	
200	96	0	65	0	84	0	0	2	0	0	0	0	92	0	77	113		355	2	46	320		65	0	50	79		14	2	4	20		0	0	0	0	0	0	
300	123	0	70	0	59	0	0	2	0	0	0	0	72	0	57	88		330	2	4	276		75	0	60	90		6	2	-1	13		0	0	0	0	0	0	
400	111	0	62	0	113	0	0	2	0	0	0	0	74	0	51	90		8	2	34	336		65	0	38	79		4	2	-3	12		0	0	0	0	0	0	
500	111	0	61	0	109	0	0	2	0	0	0	0	69	0	54	86		316	2	26	275		66	0	43	74		-19	2	-27	4		0	0	0	0	0	0	
600	96	0	57	0	107	0	0	2	0	0	0	0	72	0	52	91		323	2	29	271		62	0	46	72		14	2	4	20		0	0	0	0	0	0	
700	75	0	74	0	117	0	0	2	0	0	0	0	73	0	53	89		317	2	359	286		54	0	43	73		14	2	9	16		0	0	0	0	0	0	
800	59	0	71	0	123	0	0	2	0	0	0	0	68	0	51	88		322	2	352	268		64	0	51	79		4	2	-3	12		0	0	0	0	0	0	
900	67	0	77	0	109	0	0	2	0	0	0	0	78	0	57	102		319	2	6	280		73	0	54	87		-19	2	-27	4		0	0	0	0	0	0	
1000	19	0	42	0	59	0	0	2	0	0	0	0	36	0	350	77		291	2	327	253		50	0	35	62		14	2	4	20		0	0	0	0	0	0	
1100	57	0	71	0	63	0	0	2	0	0	0	0	68	0	38	95		296	2	335	228		62	0	43	81		6	2	-1	13		0	0	0	0	0	0	
1200	57	0	112	0	80	0	0	2	0	0	0	0	71	0	39	97		314	2	352	285		62	0	39	78		4	2	-3	12		0	0	0	0	0	0	
1300	57	0	60	0	80	0	0	2	0	0	0	0	349	0	322	33		298	2	355	244		17	0	334	54		-19	2	-27	4		0	0	0	0	0	0	
1400	82	0	104	0	146	0	0	2	0	0	0	0	353	0	322	29		304	2	346	268		6	0	334	32		14	2	4	20		0	0	0	0	0	0	
1500	98	0	170	0	169	0	0	2	0	0	0	0	342	0	317	9		347	2	94	286		356	0	334	9		6	2	-1	13		0	0	0	0	0	0	
1600	105	0	131	0	152	0	0	2	0	0	0	0	32	0	6	61		328	2	17	277		19	0	348	55		4	2	-3	12		0	0	0	0	0	0	
1700	63	0	133	0	86	0	0	2	0	0	0	0	20	0	351	57		343	2	35	303		26	0	2	48		-19	2	-27	4		0	0	0	0	0	0	
1800	92	0	81	0	132	0	0	2	0	0	0	0	9	0	334	39		336	2	18	301		15	0	339	32		14	2	4	20		0	0	0	0	0	0	
1900	59	0	98	0	121	0	0	2	0	0	0	0	17	0	347	43		325	2	359	282		15	0	344	36		6	2	-1	13		0	0	0	0	0	0	
2000	57	0	106	0	98	0	0	2	0	0	0	0	36	0	15	48		333	2	18	296		19	0	356	32		4	2	-3	12		0	0	0	0	0	0	
2100	57	0	74	0	115	0	0	2	0	0	0	0	36	0	17	53		355	2	30	320		23	0	358	41		-19	2	-27	4		0	0	0	0	0	0	
2200	52	0	48	0	115	0	0	2	0	0	0	0	37	0	20	48		6	2	76	301		21	0	2	34		14	2	4	20		0	0	0	0	0	0	
2300	40	0	47	0	94	0	0	2	0	0	0	0	46	0	20	65		353	2	57	315		15	0	353	36		6	2	-1	13		0	0	0	0	0	0	
2400	48	0	42	0	84	0	0	2	0	0	0	0	24	0	357	43		330	2	27	282		8	0	338	32		4	2	-3	12		0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	647	0	647	0	547	2	550	2	-2	2	-2	2	0	0	0	0	0	0	0	0	643	0	643	0	99	2	0	0	0	0	0	0	0	0	2	6
200	639	0	639	0	545	2	546	2	-2	2	-2	2	-2	0	-2	0	0	0	0	0	639	0	637	0	222	2	0	0	0	0	0	0	0	0	3	0
300	633	0	633	0	544	2	545	2	-2	2	-2	2	0	0	0	0	0	0	0	0	631	0	630	0	200	2	0	0	0	0	0	0	0	0	2	6
400	604	0	604	0	552	2	554	2	-2	2	-2	2	3	0	3	0	0	0	0	0	598	0	601	0	127	2	0	0	0	0	0	0	0	0	2	0
500	583	0	583	0	562	2	565	2	-2	2	-2	2	-5	0	-5	0	0	0	0	0	586	0	581	0	99	2	0	0	0	0	0	0	0	0	11	0
600	579	0	579	0	559	2	565	2	-2	2	-2	2	-3	0	-3	0	0	0	0	0	579	0	576	0	222	2	0	0	0	0	0	0	0	0	18	0
700	573	0	573	0	561	2	564	2	-2	2	-2	2	-4	0	-4	0	0	0	0	0	575	0	570	0	200	2	0	0	0	0	0	0	0	0	26	0
800	573	0	573	0	555	2	560	2	-2	2	-2	2	-5	0	-5	0	0	0	0	0	576	0	571	0	127	2	0	0	0	0	0	0	0	0	26	0
900	573	0	573	0	548	2	551	2	-2	2	-2	2	-7	0	-7	0	0	0	0	0	577	0	570	0	99	2	0	0	0	0	0	0	0	0	27	0
1000	581	0	581	0	553	2	555	2	-2	2	-2	2	-6	0	-6	0	0	0	0	0	584	0	577	0	222	2	0	0	0	0	0	0	0	0	27	0
1100	593	0	593	0	550	2	551	2	-2	2	-2	2	-11	0	-11	0	0	0	0	0	600	0	589	0	200	2	0	0	0	0	0	0	0	0	27	0
1200	617	0	617	0	526	2	526	2	-2	2	-2	2	-8	0	-8	0	0	0	0	0	622	0	614	0	127	2	0	0	0	0	0	0	0	0	27	0
1300	613	0	613	0	541	2	541	2	-2	2	-2	2	-6	0	-6	0	0	0	0	0	616	0	610	0	99	2	0	0	0	0	0	0	0	0	27	0
1400	621	0	621	0	535	2	532	2	-2	2	-2	2	-10	0	-10	0	0	0	0	0	629	0	619	0	222	2	0	0	0	0	0	0	0	0	26	6
1500	591	0	591	0	501	2	502	2	-2	2	-2	2	-15	0	-15	0	0	0	0	0	603	0	587	0	200	2	0	0	0	0	0	0	0	0	27	0
1600	581	0	581	0	502	2	503	2	-2	2	-2	2	-20	0	-20	0	0	0	0	0	598	0	578	0	127	2	0	0	0	0	0	0	0	0	27	0
1700	590	0	590	0	462	2	462	2	-2	2	-2	2	-9	0	-9	0	0	0	0	0	598	0	589	0	99	2	0	0	0	0	0	0	0	0	27	0
1800	582	0	582	0	472	2	469	2	-2	2	-2	2	3	0	3	0	0	0	0	0	576	0	579	0	222	2	0	0	0	0	0	0	0	0	27	0
1900	570	0	570	0	438	2	439	2	-2	2	-2	2	1	0	1	0	0	0	0	0	568	0	567	0	200	2	0	0	0	0	0	0	0	0	26	6
2000	556	0	556	0	439	2	440	2	-2	2	-2	2	2	0	2	0	0	0	0	0	551	0	553	0	127	2	0	0	0	0	0	0	0	0	26	0
2100	536	0	536	0	436	2	436	2	-2	2	-2	2	9	0	9	0	0	0	0	0	524	0	533	0	99	2	0	0	0	0	0	0	0	0	27	0
2200	527	0	527	0	441	2	445	2	-2	2	-2	2	5	0	5	0	0	0	0	0	519	0	524	0	222	2	0	0	0	0	0	0	0	0	27	0
2300	517	0	517	0	429	2	430	2	-2	2	-2	2	7	0	7	0	0	0	0	0	507	0	514	0	200	2	0	0	0	0	0	0	0	0	27	0
2400	511	0	511	0	432	2	435	2	-2	2	-2	2	21	0	21	0	0	0	0	0	488	0	508	0	127	2	0	0	0	0	0	0	0	0	27	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	63	0	43	0	140	0	0	2	0	0	0	0	353	0	324	24	353	2	30	324	354	0	331	11	-19	2	-27	4	0	0	0	0	0	0
200	65	0	53	0	140	0	0	2	0	0	0	0	339	0	316	0	352	2	40	315	342	0	315	357	14	2	4	20	0	0	0	0	0	0
300	73	0	42	0	140	0	0	2	0	0	0	0	320	0	296	344	343	2	28	318	335	0	317	347	6	2	-1	13	0	0	0	0	0	0
400	82	0	23	0	136	0	0	2	0	0	0	0	312	0	285	327	142	2	190	118	327	0	309	341	4	2	-3	12	0	0	0	0	0	0
500	94	0	25	0	136	0	0	2	0	0	0	0	350	0	312	7	241	2	302	199	333	0	322	353	-19	2	-27	4	0	0	0	0	0	0
600	92	0	20	0	132	0	0	2	0	0	0	0	324	0	302	347	38	2	146	331	338	0	317	356	14	2	4	20	0	0	0	0	0	0
700	88	0	15	0	146	0	0	2	0	0	0	0	330	0	296	350	136	2	179	40	329	0	314	345	6	2	-1	13	0	0	0	0	0	0
800	59	0	42	0	155	0	0	2	0	0	0	0	359	0	323	23	205	2	241	176	349	0	321	10	4	2	-3	12	0	0	0	0	0	0
900	55	0	28	0	130	0	0	2	0	0	0	0	356	0	321	28	261	2	359	191	0	0	334	18	-19	2	-27	4	0	0	0	0	0	0
1000	30	0	31	0	50	0	0	2	0	0	0	0	102	0	77	120	294	2	350	206	84	0	61	104	14	2	4	20	0	0	0	0	0	0
1100	23	0	44	0	30	0	0	2	0	0	0	0	100	0	73	118	347	2	66	286	95	0	65	116	6	2	-1	13	0	0	0	0	0	0
1200	19	0	26	0	30	0	0	2	0	0	0	0	43	0	348	71	184	2	269	105	82	0	44	124	4	2	-3	12	0	0	0	0	0	0
1300	34	0	50	0	40	0	0	2	0	0	0	0	332	0	290	8	292	2	342	249	349	0	318	23	-19	2	-27	4	0	0	0	0	0	0
1400	40	0	68	0	59	0	0	2	0	0	0	0	308	0	271	349	318	2	12	274	312	0	293	327	14	2	4	20	0	0	0	0	0	0
1500	44	0	71	0	69	0	0	2	0	0	0	0	297	0	273	336	297	2	346	261	327	0	297	347	6	2	-1	13	0	0	0	0	0	0
1600	55	0	45	0	71	0	0	2	0	0	0	0	330	0	302	-1	295	2	348	249	336	0	306	356	4	2	-3	12	0	0	0	0	0	0
1700	44	0	67	0	71	0	0	2	0	0	0	0	339	0	297	3	305	2	354	273	344	0	316	16	-19	2	-27	4	0	0	0	0	0	0
1800	34	0	87	0	55	0	0	2	0	0	0	0	340	0	300	12	312	2	351	284	340	0	309	6	14	2	4	20	0	0	0	0	0	0
1900	23	0	22	0	55	0	0	2	0	0	0	0	26	0	351	56	247	2	272	209	333	0	326	14	6	2	-1	13	0	0	0	0	0	0
2000	23	0	18	0	52	0	0	2	0	0	0	0	25	0	7	41	260	2	295	190	15	0	349	33	4	2	-3	12	0	0	0	0	0	0
2100	25	0	18	0	40	0	0	2	0	0	0	0	34	0	21	51	284	2	354	195	352	0	351	5	-19	2	-27	4	0	0	0	0	0	0
2200	27	0	18	0	21	0	0	2	0	0	0	0	114	5	109	119	185	2	260	115	53	0	41	66	14	2	4	20	0	0	0	0	0	0
2300	50	0	33	0	44	0	0	2	0	0	0	0	126	5	120	132	300	2	320	266	97	5	93	102	6	2	-1	13	0	0	0	0	0	0
2400	59	0	29	0	69	0	0	2	0	0	0	0	128	5	125	135	18	2	126	320	107	5	102	110	4	2	-3	12	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	498	0	498	0	443	2	447	2	-2	2	-2	2	10	0	10	0	0	0	0	0	485	0	495	0	99	2	0	0	0	0	0	0	0	0	27	0
200	479	0	479	0	434	2	434	2	-2	2	-2	2	9	0	9	0	0	0	0	0	467	0	476	0	222	2	0	0	0	0	0	0	0	0	27	0
300	479	0	479	0	431	2	435	2	-2	2	-2	2	8	0	8	0	0	0	0	0	469	0	477	0	200	2	0	0	0	0	0	0	0	0	27	0
400	470	0	470	0	435	2	438	2	-2	2	-2	2	12	0	12	0	0	0	0	0	455	0	467	0	127	2	0	0	0	0	0	0	0	0	27	0
500	457	0	457	0	444	2	448	2	-2	2	-2	2	2	0	2	0	0	0	0	0	453	0	455	0	99	2	0	0	0	0	0	0	0	0	27	0
600	459	0	459	0	447	2	452	2	-2	2	-2	2	12	0	12	0	0	0	0	0	445	0	457	0	222	2	0	0	0	0	0	0	0	0	26	6
700	468	0	468	0	454	2	459	2	-2	2	-2	2	5	0	5	0	0	0	0	0	457	0	462	0	200	2	0	0	0	0	0	0	0	0	27	0
800	487	0	487	0	446	2	450	2	-2	2	-2	2	-17	0	-17	0	0	0	0	0	502	0	485	0	127	2	0	0	0	0	0	0	0	0	27	0
900	518	0	518	0	449	2	452	2	-2	2	-2	2	-17	0	-17	0	0	0	0	0	531	0	513	0	99	2	0	0	0	0	0	0	0	0	27	0
1000	547	0	547	0	451	2	452	2	-2	2	-2	2	-20	0	-20	0	0	0	0	0	559	0	538	0	222	2	0	0	0	0	0	0	0	0	27	0
1100	566	0	566	0	414	2	414	2	-2	2	-2	2	-21	0	-21	0	0	0	0	0	583	0	561	0	200	2	0	0	0	0	0	0	0	0	26	6
1200	578	0	578	0	415	2	413	2	-2	2	-2	2	-13	0	-13	0	0	0	0	0	586	0	573	0	127	2	0	0	0	0	0	0	0	0	27	0
1300	585	0	585	0	412	2	411	2	-2	2	-2	2	-14	0	-14	0	0	0	0	0	595	0	580	0	99	2	0	0	0	0	0	0	0	0	27	0
1400	595	0	595	0	412	2	410	2	-2	2	-2	2	-12	0	-12	0	0	0	0	0	604	0	592	0	222	2	0	0	0	0	0	0	0	0	27	0
1500	601	0	601	0	398	2	396	2	-2	2	-2	2	-6	0	-6	0	0	0	0	0	603	0	596	0	200	2	0	0	0	0	0	0	0	0	27	0
1600	604	0	604	0	428	2	427	2	-2	2	-2	2	-6	0	-6	0	0	0	0	0	607	0	600	0	127	2	0	0	0	0	0	0	0	0	27	0
1700	603	0	603	0	421	2	420	2	-2	2	-2	2	-1	0	-1	0	0	0	0	0	602	0	600	0	99	2	0	0	0	0	0	0	0	0	27	0
1800	596	0	596	0	417	2	417	2	-2	2	-2	2	4	0	4	0	0	0	0	0	589	0	593	0	222	2	0	0	0	0	0	0	0	0	27	0
1900	561	0	561	0	450	2	450	2	-2	2	-2	2	4	0	4	0	0	0	0	0	555	0	559	0	200	2	0	0	0	0	0	0	0	0	27	0
2000	537	0	537	0	472	2	472	2	-2	2	-2	2	7	0	7	0	0	0	0	0	528	0	535	0	127	2	0	0	0	0	0	0	0	0	27	0
2100	519	0	519	0	465	2	466	2	-2	2	-2	2	11	0	11	0	0	0	0	0	506	0	516	0	99	2	0	0	0	0	0	0	0	0	26	6
2200	508	0	508	0	480	2	483	2	-2	2	-2	2	28	0	28	0	0	0	0	0	479	0	507	0	222	2	0	0	0	0	0	0	0	0	27	0
2300	510	0	510	0	463	2	465	2	-2	2	-2	2	16	0	16	0	0	0	0	0	492	0	507	0	200	2	0	0	0	0	0	0	0	0	27	0
2400	50	0	503	0	462	2	465	2	-2	2	-2	2	20	0	20	0	0	0	0	0	480	0	500	0	127	2	0	0	0	0	0	0	0	0	27	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION

REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6
100	61	0	41	0	88	0	0	2	0	0	0	0	134	5	125	138	341	2	27	315	111	5	106	118	-19	2	-27	4	0	0	0	0	0	0	
200	67	0	24	0	98	0	0	2	0	0	0	0	135	0	129	146	256	2	353	187	118	5	115	126	14	2	4	20	0	0	0	0	0	0	
300	63	0	21	0	119	0	0	2	0	0	0	0	136	0	119	149	303	2	333	266	129	5	123	133	6	2	-1	13	0	0	0	0	0	0	
400	61	0	19	0	132	0	0	2	0	0	0	0	135	0	127	144	245	2	322	188	131	5	125	134	4	2	3	12	0	0	0	0	0	0	
500	63	0	16	0	163	0	0	2	0	0	0	0	136	0	123	153	1	2	166	302	132	5	126	135	-19	2	-27	4	0	0	0	0	0	0	
600	42	0	27	0	163	0	0	2	0	0	0	0	140	0	123	150	25	2	152	276	140	5	133	144	14	2	4	20	0	0	0	0	0	0	
700	50	0	23	0	159	0	0	2	0	0	0	0	140	0	119	152	156	2	199	118	143	5	136	149	6	2	-1	13	0	0	0	0	0	0	
800	44	0	21	0	148	0	0	2	0	0	0	0	137	0	123	149	348	2	147	292	144	5	137	151	4	2	-3	12	0	0	0	0	0	0	
900	44	0	44	0	165	0	0	2	0	0	0	0	141	0	119	160	329	2	7	279	149	5	135	156	-19	2	-27	4	0	0	0	0	0	0	
1000	40	0	44	0	107	0	0	2	0	0	0	0	163	0	123	187	342	2	48	285	155	0	140	170	14	2	4	20	0	0	0	0	0	0	
1100	36	0	58	0	82	0	0	2	0	0	0	0	192	0	128	246	334	2	38	294	169	0	143	187	6	2	-1	13	0	0	0	0	0	0	
1200	42	0	39	0	92	0	0	2	0	0	0	0	254	0	198	323	74	2	150	0	168	0	141	194	4	2	-3	12	0	0	0	0	0	0	
1300	36	0	40	0	88	0	0	2	0	0	0	0	11	0	276	73	82	2	150	28	192	0	151	208	-19	2	-27	4	0	0	0	0	0	0	
1400	48	0	41	0	71	0	0	2	0	0	0	0	177	0	113	232	80	2	151	4	201	0	154	223	14	2	4	20	0	0	0	0	0	0	
1500	38	0	42	0	82	0	0	2	0	0	0	0	36	0	344	79	194	2	259	118	199	0	169	223	6	2	-1	13	0	0	0	0	0	0	
1600	36	0	44	0	67	0	0	2	0	0	0	0	290	0	235	340	216	2	264	152	270	0	240	299	4	2	3	12	0	0	0	0	0	0	
1700	48	0	48	0	50	0	0	2	0	0	0	0	350	0	320	27	166	2	210	129	349	0	315	359	-19	2	-27	4	0	0	0	0	0	0	
1800	42	0	54	0	55	0	0	2	0	0	0	0	347	0	320	19	159	2	192	119	15	0	325	28	14	2	4	20	0	0	0	0	0	0	
1900	19	0	25	0	50	0	0	2	0	0	0	0	43	0	29	59	132	2	165	89	17	0	353	38	6	2	-1	13	0	0	0	0	0	0	
2000	11	0	18	0	63	0	0	2	0	0	0	0	61	0	45	81	160	2	214	130	32	0	18	43	4	2	-3	12	0	0	0	0	0	0	
2100	27	0	29	0	52	0	0	2	0	0	0	0	91	0	79	106	114	2	127	100	79	5	71	86	-19	2	-27	4	0	0	0	0	0	0	
2200	40	0	27	0	75	0	0	2	0	0	0	0	115	5	108	125	102	2	128	85	111	5	109	119	14	2	4	20	0	0	0	0	0	0	
2300	40	0	24	0	75	0	0	2	0	0	0	0	134	0	125	146	107	2	127	80	162	5	156	167	6	2	-1	13	0	0	0	0	0	0	
2400	52	0	37	0	136	0	0	2	0	0	0	0	145	0	124	167	111	2	137	85	170	5	164	174	4	2	-3	12	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	499	0	499	0	460	2	464	2	-2	2	-2	2	11	0	11	0	0	0	0	0	486	0	497	0	99	2	0	0	0	0	0	0	0	0	27	0
200	489	0	489	0	466	2	468	2	-2	2	-2	2	5	0	5	0	0	0	0	0	481	0	486	0	222	2	0	0	0	0	0	0	0	0	27	0
300	482	0	482	0	452	2	455	2	-2	2	-2	2	23	0	23	0	0	0	0	0	457	0	479	0	200	2	0	0	0	0	0	0	0	0	27	0
400	463	0	463	0	452	2	455	2	-2	2	-2	2	11	0	11	0	0	0	0	0	451	0	462	0	127	2	0	0	0	0	0	0	0	0	27	0
500	467	0	467	0	454	2	458	2	-2	2	-2	2	18	0	18	0	0	0	0	0	447	0	465	0	99	2	0	0	0	0	0	0	0	0	28	0
600	474	0	474	0	442	2	445	2	-2	2	-2	2	17	0	17	0	0	0	0	0	454	0	471	0	222	2	0	0	0	0	0	0	0	0	27	6
700	482	0	482	0	452	2	454	2	-2	2	-2	2	0	0	0	0	0	0	0	0	479	0	478	0	200	2	0	0	0	0	0	0	0	0	27	0
800	522	0	522	0	456	2	460	2	-2	2	-2	2	-10	0	-10	0	0	0	0	0	525	0	515	0	127	2	0	0	0	0	0	0	0	0	27	0
900	543	0	543	0	442	2	444	2	-2	2	-2	2	-23	0	-23	0	0	0	0	0	563	0	539	0	99	2	0	0	0	0	0	0	0	0	25	6
1000	580	0	580	0	446	2	445	2	-2	2	-2	2	-24	0	-24	0	0	0	0	0	601	0	576	0	222	2	0	0	0	0	0	0	0	0	1	6
1100	598	0	598	0	430	2	427	2	-2	2	-2	2	-28	0	-28	0	0	0	0	0	623	0	595	0	200	2	0	0	0	0	0	0	0	0	1	0
1200	626	0	626	0	412	2	409	2	-2	2	-2	2	-13	0	-13	0	0	0	0	0	637	0	624	0	127	2	0	0	0	0	0	0	0	0	1	0
1300	635	0	635	0	410	2	407	2	-2	2	-2	2	-18	0	-18	0	0	0	0	0	647	0	629	0	99	2	0	0	0	0	0	0	0	0	0	6
1400	643	0	643	0	398	2	392	2	-2	2	-2	2	-17	0	-17	0	0	0	0	0	659	0	642	0	222	2	0	0	0	0	0	0	0	0	0	0
1500	652	0	652	0	406	2	402	2	-2	2	-2	2	-14	0	-14	0	0	0	0	0	665	0	651	0	200	2	0	0	0	0	0	0	0	0	0	0
1600	654	0	654	0	408	2	404	2	-2	2	-2	2	-9	0	-9	0	0	0	0	0	662	0	652	0	127	2	0	0	0	0	0	0	0	0	0	0
1700	654	0	654	0	417	2	414	2	-2	2	-2	2	-2	0	-2	0	0	0	0	0	655	0	653	0	99	2	0	0	0	0	0	0	0	0	0	0
1800	638	0	638	0	431	2	429	2	-2	2	-2	2	1	0	1	0	0	0	0	0	635	0	635	0	222	2	0	0	0	0	0	0	0	0	0	0
1900	603	0	603	0	475	2	474	2	-2	2	-2	2	26	0	26	0	0	0	0	0	575	0	601	0	200	2	0	0	0	0	0	0	0	0	0	0
2000	565	0	565	0	509	2	511	2	-2	2	-2	2	24	0	24	0	0	0	0	0	541	0	565	0	127	2	0	0	0	0	0	0	0	0	0	0
2100	547	0	547	0	484	2	487	2	-2	2	-2	2	30	0	30	0	0	0	0	0	516	0	546	0	99	2	0	0	0	0	0	0	0	0	0	0
2200	529	0	529	0	477	2	480	2	-2	2	-2	2	26	0	26	0	0	0	0	0	502	0	527	0	222	2	0	0	0	0	0	0	0	0	0	0
2300	514	0	514	0	478	2	482	2	-2	2	-2	2	23	0	23	0	0	0	0	0	490	0	513	0	200	2	0	0	0	0	0	0	0	0	0	0
2400	500	0	500	0	470	2	474	2	-2	2	-2	2	21	0	21	0	0	0	0	0	476	0	496	0	127	2	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	44	0	19	0	165	0	0	2	0	0	0	0	160	0	141	177	125	2	166	95	172	5	169	176	-19	2	-27	4	0	0	0	0	0	0
200	61	0	27	0	171	0	0	2	0	0	0	0	158	0	141	169	95	2	141	63	181	5	179	189	14	2	4	20	0	0	0	0	0	0
300	44	0	30	0	167	0	0	2	0	0	0	0	179	0	147	203	354	2	12	341	187	5	183	195	6	2	-1	13	0	0	0	0	0	0
400	57	0	11	0	182	0	0	2	0	0	0	0	191	0	160	216	66	2	140	4	203	0	197	212	4	2	-3	12	0	0	0	0	0	0
500	55	0	27	0	165	0	0	2	0	0	0	0	209	0	187	228	118	2	139	98	210	0	201	221	-19	2	-27	4	0	0	0	0	0	0
600	46	0	22	0	121	0	0	2	0	0	0	0	194	0	173	213	154	2	253	90	239	0	231	245	14	2	4	20	0	0	0	0	0	0
700	52	0	11	0	123	0	0	2	0	0	0	0	213	0	186	231	97	2	165	28	201	0	199	213	6	2	-1	13	0	0	0	0	0	0
800	55	0	19	0	113	0	0	2	0	0	0	0	215	0	188	232	115	2	169	22	216	0	207	224	4	2	-3	12	0	0	0	0	0	0
900	40	0	32	0	109	0	0	2	0	0	0	0	198	0	160	216	175	0	221	104	215	0	203	218	-19	2	-27	4	0	0	0	0	0	0
1000	60	0	51	0	71	0	74	0	0	0	0	0	242	0	294	196	241	0	305	190	229	0	261	175	228	0	259	153	0	0	0	0	0	0
1100	68	0	60	0	80	0	85	0	0	0	0	0	242	0	290	197	235	0	304	191	233	0	263	189	231	0	270	189	0	0	0	0	0	0
1200	93	0	89	0	104	0	112	0	0	0	0	0	257	0	290	227	251	0	282	214	253	0	273	231	252	0	286	234	0	0	0	0	0	0
1300	96	0	95	0	103	0	111	0	0	0	0	0	267	0	291	242	261	0	305	235	262	0	278	210	260	0	273	235	0	0	0	0	0	0
1400	68	0	63	0	78	0	83	0	0	0	0	0	269	0	326	236	262	0	327	217	272	0	304	233	268	0	302	237	0	0	0	0	0	0
1500	73	0	69	0	73	0	78	0	0	0	0	0	262	0	286	236	257	0	307	236	271	0	304	239	268	0	313	241	0	0	0	0	0	0
1600	62	0	58	0	68	0	73	0	0	0	0	0	260	0	288	229	254	0	285	216	259	0	291	221	255	0	289	222	0	0	0	0	0	0
1700	63	0	56	0	80	0	84	0	0	0	0	0	240	0	279	202	239	0	285	212	235	0	262	202	234	0	267	201	0	0	0	0	0	0
1800	33	0	24	0	85	0	77	0	0	0	0	0	211	0	267	157	211	3	261	102	204	0	219	180	205	0	222	185	0	0	0	0	0	0
1900	64	0	47	0	128	0	112	0	0	0	0	0	216	0	283	181	210	0	261	149	211	0	226	196	212	0	223	196	0	0	0	0	0	0
2000	79	0	64	0	153	0	142	0	0	0	0	0	218	0	267	150	215	0	261	168	215	0	231	195	216	0	235	202	0	0	0	0	0	0
2100	114	0	104	0	178	0	185	0	0	0	0	0	236	0	281	201	232	0	282	192	226	0	256	200	226	0	246	207	0	0	0	0	0	0
2200	115	0	112	0	189	0	203	0	0	0	0	0	245	0	272	217	242	0	281	215	240	0	254	225	238	0	253	224	0	0	0	0	0	0
2300	120	0	116	0	173	0	184	0	0	0	0	0	249	0	272	229	246	0	285	215	248	0	257	234	245	0	253	231	0	0	0	0	0	0
2400	117	0	110	0	179	0	191	0	0	0	0	0	245	0	278	215	240	0	268	194	240	0	256	219	237	0	259	212	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	492	0	492	0	468	2	472	2	-2	2	-2	2	20	0	20	0	0	0	0	0	472	0	491	0	99	2	0	0	0	0	0	0	0	0	0	0
200	484	0	484	0	450	2	455	2	-2	2	-2	2	19	0	19	0	0	0	0	0	462	0	481	0	222	2	0	0	0	0	0	0	0	0	0	0
300	480	0	480	0	451	2	457	2	-2	2	-2	2	12	0	12	0	0	0	0	0	465	0	477	0	200	2	0	0	0	0	0	0	0	0	0	0
400	464	0	464	0	454	2	459	2	-2	2	-2	2	23	0	23	0	0	0	0	0	438	0	461	0	127	2	0	0	0	0	0	0	0	0	0	0
500	465	0	465	0	444	2	450	2	-2	2	-2	2	28	0	28	0	0	0	0	0	436	0	464	0	99	2	0	0	0	0	0	0	0	0	0	0
600	456	0	456	0	436	2	441	2	-2	2	-2	2	16	0	16	0	0	0	0	0	437	0	453	0	222	2	0	0	0	0	0	0	0	0	0	0
700	462	0	462	0	456	2	463	2	-2	2	-2	2	4	0	4	0	0	0	0	0	451	0	456	0	200	2	0	0	0	0	0	0	0	0	0	0
800	496	0	496	0	456	2	460	2	-2	2	-2	2	-7	0	-7	0	0	0	0	0	495	0	487	0	127	2	0	0	0	0	0	0	0	0	0	0
900	516	0	547	0	476	2	480	2	-2	2	-2	2	14	0	-11	0	0	0	0	0	557	0	545	0	99	2	0	0	0	0	0	0	0	0	1	0
1000	613	0	610	0	603	0	594	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1100	635	0	631	0	619	0	613	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1200	644	0	637	0	628	0	622	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1300	655	0	649	0	626	0	622	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1400	666	0	660	0	631	0	626	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1500	662	0	657	0	637	0	633	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1600	680	0	675	0	655	0	649	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1700	685	0	680	0	664	0	657	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1800	689	0	682	0	671	0	666	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1900	662	0	655	0	667	0	660	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2000	655	0	649	0	660	0	653	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2100	666	0	658	0	655	0	648	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2200	646	0	640	0	639	0	633	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2300	637	0	631	0	628	0	622	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2400	633	0	628	0	624	0	619	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0

STATUS C[illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN MAX 50 B	S	WIND DIR2	MIN MAX 150A	S	WIND DIR3	MIN MAX 150B	S	WIND DIR4	MIN MAX S	WIND DIR5	MIN MAX S	WIND DIR6
100	126	0	122	0	179	0	190	0	0	0	0	0	247	0 276	213	243	0 284	194	244	0 261	221	241	0 256	222	0 0	0 0	0
200	117	0	112	0	163	0	176	0	0	0	0	0	245	0 264	211	241	0 283	195	242	0 255	227	240	0 253	227	0 0	0 0	0
300	111	0	107	0	152	0	164	0	0	0	0	0	246	0 272	208	242	0 281	195	247	0 257	240	244	0 253	239	0 0	0 0	0
400	110	0	108	0	162	0	174	0	0	0	0	0	245	0 268	208	243	0 284	192	246	0 263	228	244	0 257	225	0 0	0 0	0
500	119	0	115	0	160	0	171	0	0	0	0	0	246	0 272	222	243	0 263	213	246	0 257	227	244	0 253	219	0 0	0 0	0
600	102	0	101	0	155	0	164	0	0	0	0	0	252	0 269	231	249	0 281	214	252	0 265	237	250	0 256	219	0 0	0 0	0
700	95	0	92	0	142	0	151	0	0	0	0	0	262	0 285	227	255	0 285	217	262	0 272	251	260	0 268	251	0 0	0 0	0
800	90	0	86	0	127	0	136	0	0	0	0	0	256	0 285	218	253	0 303	235	259	0 269	249	257	0 267	235	0 0	0 0	0
900	74	0	69	0	106	0	114	0	0	0	0	0	258	0 290	226	252	0 307	214	261	0 277	239	259	0 273	244	0 0	0 0	0
1000	76	0	70	0	90	0	96	0	0	0	0	0	249	0 285	224	244	0 281	213	259	0 265	238	257	0 266	228	0 0	0 0	0
1100	116	0	112	0	125	0	134	0	0	0	0	0	248	0 267	235	242	0 284	215	246	0 255	233	243	0 252	235	0 0	0 0	0
1200	122	0	115	0	127	0	137	0	0	0	0	0	249	0 266	235	245	0 264	216	245	0 260	233	243	0 251	230	0 0	0 0	0
1300	90	0	79	0	96	0	102	0	0	0	0	0	244	0 283	220	240	0 303	194	251	0 296	218	248	0 318	198	0 0	0 0	0
1400	65	0	58	0	56	0	60	0	0	0	0	0	267	0 296	232	260	0 284	216	243	0 282	213	242	0 274	215	0 0	0 0	0
1500	41	0	34	0	45	0	49	0	0	0	0	0	259	0 293	216	254	0 284	196	245	0 279	201	242	0 278	196	0 0	0 0	0
1600	64	0	61	0	91	0	98	0	0	0	0	0	244	0 284	202	242	0 286	190	241	0 255	197	239	0 260	206	0 0	0 0	0
1700	65	0	59	0	92	0	100	0	0	0	0	0	242	0 274	187	237	0 265	188	245	0 262	221	243	0 261	220	0 0	0 0	0
1800	46	0	40	0	72	0	79	0	0	0	0	0	230	0 247	206	228	0 258	193	237	0 244	220	233	0 244	218	0 0	0 0	0
1900	57	0	41	0	105	0	98	0	0	0	0	0	207	0 235	176	206	0 237	172	215	0 221	211	217	0 223	211	0 0	0 0	0
2000	61	0	41	0	131	0	118	0	0	0	0	0	208	0 243	170	205	0 256	146	207	0 220	194	208	0 223	193	0 0	0 0	0
2100	84	0	60	0	151	0	161	0	0	0	0	0	217	0 240	185	213	0 258	171	223	0 235	212	224	0 241	212	0 0	0 0	0
2200	107	0	95	0	176	0	182	0	0	0	0	0	230	0 260	186	229	0 261	169	230	0 247	205	230	0 253	207	0 0	0 0	0
2300	151	0	140	0	239	0	251	0	0	0	0	0	238	0 269	170	236	0 278	194	236	0 262	210	234	0 250	213	0 0	0 0	0
2400	157	0	151	0	237	0	252	0	0	0	0	0	242	0 265	205	240	0 281	194	236	0 265	213	234	0 252	213	0 0	0 0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	628	0	622	0	619	0	612	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
200	619	0	613	0	610	0	603	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
300	615	0	610	0	606	0	601	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
400	613	0	608	0	606	0	601	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
500	615	0	610	0	608	0	601	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
600	619	0	613	0	613	0	608	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
700	617	0	612	0	615	0	612	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
800	626	0	621	0	617	0	610	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	52	0
900	639	0	633	0	619	0	613	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1000	644	0	637	0	626	0	619	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1100	637	0	631	0	626	0	622	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1200	639	0	633	0	631	0	624	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1300	658	0	653	0	640	0	630	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1400	687	0	682	0	662	0	658	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1500	727	0	723	0	694	0	689	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1600	772	0	766	0	747	0	741	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1700	786	0	781	0	763	0	757	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1800	781	0	775	0	768	0	763	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1900	752	0	747	0	770	0	765	0	320	0	320	0	38	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2000	739	0	734	0	770	0	763	0	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2100	734	0	729	0	757	0	750	0	320	0	320	0	43	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2200	750	0	745	0	745	0	739	0	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2300	730	0	725	0	716	0	709	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2400	703	0	696	0	689	0	682	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	165	0	155	0	248	0	259	0	0	0	0	0	241	0	264	205	239	0	280	194	235	0	254	194	232	0	254	204	0	0	0	0	0	0
200	157	0	151	0	243	0	257	0	0	0	0	0	245	0	275	212	240	0	281	193	236	0	261	211	233	0	252	209	0	0	0	0	0	0
300	169	0	157	0	246	0	259	0	0	0	0	0	241	0	272	218	238	0	306	213	233	0	254	210	230	0	252	207	0	0	0	0	0	0
400	148	0	142	0	217	0	231	0	0	0	0	0	245	0	277	220	240	0	262	193	236	0	265	210	234	0	262	210	0	0	0	0	0	0
500	183	0	174	0	252	0	272	0	0	0	0	0	245	0	271	212	240	0	302	193	238	0	269	198	236	0	258	205	0	0	0	0	0	0
600	186	0	182	0	253	0	279	0	0	0	0	0	249	0	269	218	245	0	280	215	245	0	264	227	241	0	259	214	0	0	0	0	0	0
700	161	0	156	0	206	0	232	0	0	0	0	0	249	0	270	212	245	0	303	216	244	0	260	223	242	0	258	227	0	0	0	0	0	0
800	142	0	138	0	204	0	217	0	0	0	0	0	249	0	278	225	245	0	284	215	248	0	259	236	245	0	255	229	0	0	0	0	0	0
900	124	0	119	0	174	0	184	0	0	0	0	0	266	0	287	239	259	0	284	225	265	0	274	253	262	0	268	255	0	0	0	0	0	0
1000	104	0	97	0	135	0	142	0	0	0	0	0	278	0	323	243	273	0	352	216	286	0	326	241	280	0	305	240	0	0	0	0	0	0
1100	66	0	62	0	100	0	101	0	0	0	0	0	324	0	51	270	317	0	354	259	328	0	11	270	323	0	14	287	0	0	0	0	0	0
1200	59	0	55	0	75	0	74	0	0	0	0	0	328	0	20	274	321	0	30	281	344	0	17	307	339	0	37	288	0	0	0	0	0	0
1300	69	0	66	0	90	0	89	0	0	0	0	0	332	0	56	280	325	0	32	277	342	0	20	318	335	0	4	300	0	0	0	0	0	0
1400	72	0	65	0	82	0	82	0	0	0	0	0	329	0	13	281	325	0	12	279	338	0	13	303	331	0	4	305	0	0	0	0	0	0
1500	72	0	63	0	97	0	97	0	0	0	0	0	344	0	35	272	337	0	15	284	353	0	29	318	347	0	22	300	0	0	0	0	0	0
1600	58	0	56	0	95	0	95	0	0	0	0	0	29	0	97	332	19	0	105	303	5	0	44	303	1	0	38	310	0	0	0	0	0	0
1700	70	0	63	0	90	0	86	0	0	0	0	0	23	0	83	314	16	0	81	326	13	0	42	327	10	0	77	336	0	0	0	0	0	0
1800	76	0	73	0	100	0	102	0	0	0	0	0	41	0	78	16	37	0	83	351	36	0	56	14	33	0	54	5	0	0	0	0	0	0
1900	34	0	30	0	51	0	60	0	0	0	0	0	79	0	115	56	77	3	125	56	56	0	69	46	55	0	65	44	0	0	0	0	0	0
2000	27	0	25	0	39	0	43	0	0	0	0	0	54	3	87	21	51	3	81	11	41	0	66	11	37	0	61	5	0	0	0	0	0	0
2100	41	0	37	0	44	0	48	0	0	0	0	0	106	0	123	88	107	0	128	81	80	0	106	54	79	0	106	51	0	0	0	0	0	0
2200	58	0	53	0	75	0	89	0	0	0	0	0	87	0	104	73	87	0	106	60	69	0	82	56	68	0	79	55	0	0	0	0	0	0
2300	87	0	87	0	129	0	154	0	0	0	0	0	78	0	95	57	77	0	103	55	68	0	77	49	66	0	76	54	0	0	0	0	0	0
2400	112	0	106	0	175	0	173	0	0	0	0	0	94	0	116	77	92	0	124	57	82	0	93	71	82	0	95	67	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	696	0	691	0	687	0	682	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
200	685	0	680	0	676	0	669	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
300	687	0	680	0	675	0	669	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
400	673	0	667	0	657	0	651	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
500	667	0	662	0	655	0	649	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
600	658	0	655	0	653	0	644	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
700	653	0	651	0	649	0	637	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
800	653	0	648	0	642	0	635	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
900	666	0	660	0	649	0	644	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1000	676	0	669	0	651	0	646	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1100	700	0	694	0	651	0	646	0	320	0	320	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1200	703	0	698	0	658	0	655	0	320	0	320	0	-36	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1300	700	0	694	0	649	0	644	0	320	0	320	0	-47	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1400	702	0	696	0	648	0	642	0	320	0	320	0	-49	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1500	691	0	684	0	648	0	642	0	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1600	680	0	676	0	642	0	635	0	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1700	662	0	658	0	637	0	630	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1800	649	0	644	0	633	0	628	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1900	610	0	603	0	630	0	624	0	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2000	601	0	595	0	624	0	619	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2100	617	0	608	0	622	0	617	0	320	0	320	0	14	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2200	606	0	597	0	622	0	615	0	320	0	320	0	25	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2300	577	0	570	0	604	0	599	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2400	574	0	568	0	583	0	577	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0

STATUS [illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150D	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	111	0	103	0	178	0	176	0	0	0	0	0	94	0	110	78	93	0	124	64	80	0	88	63	80	0	90	57	0	0	0	0	0	0
200	95	0	86	0	146	0	147	0	0	0	0	0	105	0	117	90	105	0	146	60	98	0	111	87	99	0	109	88	0	0	0	0	0	0
300	102	0	88	0	153	0	155	0	0	0	0	0	112	0	134	82	108	0	128	81	107	0	117	97	108	0	123	97	0	0	0	0	0	0
400	107	0	97	0	178	0	178	0	0	0	0	0	108	0	128	91	107	0	147	78	99	0	110	88	99	0	109	89	0	0	0	0	0	0
500	102	0	94	0	179	0	182	0	0	0	0	0	106	0	121	93	104	0	128	80	103	0	108	96	104	0	109	98	0	0	0	0	0	0
600	119	0	100	0	170	0	180	0	0	0	0	0	116	0	129	104	117	0	154	77	114	0	137	105	116	0	148	106	0	0	0	0	0	0
700	126	0	112	0	174	0	177	0	0	0	0	0	116	0	128	98	116	0	147	78	115	0	126	106	116	0	127	106	0	0	0	0	0	0
800	135	0	127	0	161	0	166	0	0	0	0	0	119	0	138	95	120	0	146	82	117	0	138	104	118	0	143	100	0	0	0	0	0	0
900	133	0	128	0	162	0	172	0	0	0	0	0	118	0	134	91	119	0	147	79	120	0	149	100	123	0	169	106	0	0	0	0	0	0
1000	146	0	146	0	178	0	191	0	0	0	0	0	123	0	146	11	127	0	153	81	126	0	154	111	130	0	165	110	0	0	0	0	0	0
1100	127	0	130	0	176	0	189	0	0	0	0	0	128	0	170	96	129	0	172	83	133	0	158	105	137	0	169	108	0	0	0	0	0	0
1200	125	0	123	0	152	0	160	0	0	0	0	0	122	0	160	98	124	0	149	83	126	0	159	107	130	0	171	110	0	0	0	0	0	0
1300	95	0	89	0	123	0	127	0	0	0	0	0	125	0	163	79	127	0	168	80	131	0	166	87	132	0	161	88	0	0	0	0	0	0
1400	101	0	100	0	141	0	144	0	0	0	0	0	128	0	166	84	132	0	172	79	133	0	159	109	135	0	170	114	0	0	0	0	0	0
1500	96	0	94	0	137	0	144	0	0	0	0	0	133	0	218	95	129	0	175	30	136	0	160	107	139	0	162	99	0	0	0	0	0	0
1600	100	0	104	0	151	0	154	0	0	0	0	0	130	0	173	98	133	0	175	57	135	0	153	119	138	0	155	120	0	0	0	0	0	0
1700	117	0	110	0	166	0	176	0	0	0	0	0	126	0	157	97	127	0	168	83	133	0	148	114	135	0	154	116	0	0	0	0	0	0
1800	79	0	77	0	118	0	120	0	0	0	0	0	129	0	166	110	129	0	172	82	133	0	155	106	135	0	159	106	0	0	0	0	0	0
1900	119	0	109	0	152	0	164	0	0	0	0	0	121	0	128	109	123	0	149	101	122	0	127	116	125	0	131	119	0	0	0	0	0	0
2000	125	0	122	0	165	0	178	0	0	0	0	0	122	0	138	106	127	0	153	103	126	0	147	114	129	0	145	117	0	0	0	0	0	0
2100	110	0	108	0	168	0	173	0	0	0	0	0	126	0	143	305	125	0	169	57	131	0	151	118	134	0	156	116	0	0	0	0	0	0
2200	99	0	98	0	165	0	172	0	0	0	0	0	133	0	151	280	131	0	150	101	137	0	155	121	140	0	159	125	0	0	0	0	0	0
2300	97	0	101	0	179	0	183	0	0	0	0	0	127	0	157	104	128	0	169	78	139	0	155	127	142	0	156	131	0	0	0	0	0	0
2400	95	0	91	0	170	0	175	0	0	0	0	0	130	0	150	103	130	0	165	82	144	0	160	130	146	0	157	130	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	570	0	563	0	579	0	574	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
200	561	0	556	0	567	0	563	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
300	561	0	554	0	561	0	556	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
400	549	0	541	0	565	0	558	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
500	531	0	523	0	552	0	547	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
600	527	0	531	0	547	0	536	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
700	534	0	529	0	540	0	534	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
800	568	0	565	0	558	0	552	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
900	610	0	606	0	594	0	588	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1000	642	0	640	0	630	0	621	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1100	673	0	671	0	653	0	644	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1200	703	0	700	0	682	0	675	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1300	739	0	734	0	709	0	703	0	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1400	756	0	750	0	725	0	720	0	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1500	772	0	766	0	739	0	734	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1600	775	0	772	0	748	0	743	0	320	0	320	0	-13	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1700	772	0	766	0	750	0	743	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1800	757	0	752	0	738	0	732	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1900	716	0	711	0	707	0	700	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2000	698	0	691	0	689	0	682	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2100	689	0	682	0	676	0	671	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2200	675	0	667	0	662	0	655	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2300	660	0	655	0	651	0	646	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
2400	655	0	648	0	646	0	640	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6
100	95	0	94	0	165	0	167	0	0	0	0	0	126	0	149	29	130	0	169	81	143	0	155	129	146	0	159	133	0	0	0
200	94	0	89	0	175	0	179	0	0	0	0	0	129	0	156	85	134	0	192	103	145	0	156	130	148	0	158	137	0	0	0
300	82	0	80	0	166	0	172	0	0	0	0	0	128	0	159	19	135	0	172	81	148	0	167	134	151	0	167	141	0	0	0
400	78	0	73	0	171	0	178	0	0	0	0	0	140	0	248	107	135	0	172	82	156	0	166	142	158	0	171	146	0	0	0
500	75	0	69	0	166	0	173	0	0	0	0	0	131	0	175	1	134	0	171	80	157	0	178	141	159	0	179	145	0	0	0
600	78	0	73	0	167	0	174	0	0	0	0	0	137	0	179	20	141	0	176	81	161	0	189	149	165	0	205	154	0	0	0
700	81	0	70	0	161	0	167	0	0	0	0	0	145	0	219	110	143	0	192	102	160	0	172	139	162	0	174	138	0	0	0
800	83	0	81	0	165	0	160	0	0	0	0	0	155	0	263	92	152	0	214	102	169	0	196	134	171	0	207	142	0	0	0
900	75	0	63	0	140	0	134	0	0	0	0	0	159	0	234	97	157	0	236	101	170	0	223	139	171	0	208	139	0	0	0
1000	54	0	46	0	104	0	91	0	0	0	0	0	187	0	260	102	187	0	265	102	190	0	241	142	189	0	234	138	0	0	0
1100	59	0	49	0	110	0	98	0	0	0	0	0	187	0	251	104	183	0	264	99	186	0	226	139	186	0	223	143	0	0	0
1200	79	0	64	0	129	0	112	0	0	0	0	0	196	0	252	105	198	0	265	98	194	0	231	113	194	0	234	119	0	0	0
1300	105	0	97	0	164	0	179	0	0	0	0	0	271	0	330	241	266	0	327	218	271	0	296	245	268	0	288	245	0	0	0
1400	84	0	78	0	114	0	129	0	0	0	0	0	249	0	274	222	248	0	296	218	256	0	277	237	254	0	277	241	0	0	0
1500	81	0	78	0	100	0	108	0	0	0	0	0	250	0	273	221	247	0	282	213	260	0	269	250	256	0	264	244	0	0	0
1600	54	0	49	0	65	0	73	0	0	0	0	0	271	0	305	239	267	0	307	237	281	0	315	243	278	0	307	248	0	0	0
1700	23	0	22	0	35	0	37	0	0	0	0	0	346	3	86	272	348	3	172	279	330	0	14	294	322	0	19	292	0	0	0
1800	12	0	12	0	20	0	23	0	0	0	0	0	266	0	347	108	272	0	353	102	269	0	328	213	265	0	316	210	0	0	0
1900	38	0	26	0	53	0	58	0	0	0	0	0	216	0	234	196	213	0	237	190	235	0	252	217	235	0	255	220	0	0	0
2000	48	0	42	0	87	0	75	0	0	0	0	0	167	0	216	120	165	0	236	123	199	0	217	168	199	0	221	172	0	0	0
2100	55	0	42	0	149	0	132	0	0	0	0	0	206	0	258	114	203	0	261	104	205	0	219	191	204	0	222	186	0	0	0
2200	63	0	45	0	119	0	107	0	0	0	0	0	212	0	240	167	209	0	240	149	211	0	230	193	211	0	228	197	0	0	0
2300	78	0	62	0	140	0	128	0	0	0	0	0	215	0	263	141	212	0	260	150	210	0	227	191	209	0	229	190	0	0	0
2400	70	0	59	0	128	0	123	0	0	0	0	0	215	0	263	102	213	0	262	103	204	0	225	177	205	0	229	177	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	646	0	640	0	637	0	630	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
200	631	0	626	0	626	0	619	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
300	622	0	617	0	619	0	613	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
400	617	0	610	0	624	0	617	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
500	621	0	617	0	630	0	622	0	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
600	628	0	622	0	631	0	624	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
700	626	0	621	0	626	0	619	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
800	658	0	657	0	648	0	640	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
900	682	0	676	0	662	0	657	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1000	732	0	729	0	703	0	698	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1100	790	0	788	0	748	0	741	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1200	822	0	817	0	786	0	779	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1300	720	0	716	0	702	0	693	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1400	721	0	721	0	705	0	694	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1500	705	0	702	0	687	0	682	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1600	707	0	705	0	689	0	680	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1700	696	0	691	0	680	0	673	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1800	667	0	658	0	667	0	660	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
1900	675	0	667	0	664	0	655	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	43	0
2000	673	0	667	0	685	0	678	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	43	0
2100	682	0	675	0	696	0	691	0	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	43	0
2200	685	0	678	0	682	0	675	0	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44	0
2300	680	0	676	0	676	0	667	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	51	0
2400	680	0	682	0	676	0	662	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44	0

STATUS C[illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible] = UNSTEADY DIRECTION, S =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6
100	121	0	105	0	184	0	167	0	0	0	0	0	226	0	264	180	223	0	263	149	212	0	240	177	212	0	250	174	0	0	0
200	99	0	82	0	181	0	154	0	0	0	0	0	208	0	264	93	194	0	262	124	194	0	231	149	196	0	235	169	0	0	0
300	82	0	68	0	154	0	136	0	0	0	0	0	226	0	358	180	214	0	262	126	206	0	236	178	207	0	233	175	0	0	0
400	98	0	82	0	163	0	149	0	0	0	0	0	229	0	315	191	226	0	278	190	215	0	239	185	215	0	240	193	0	0	0
500	75	0	59	0	129	0	118	0	0	0	0	0	224	0	329	182	219	0	261	168	213	0	235	186	212	0	230	191	0	0	0
600	50	0	43	0	81	0	80	0	0	0	0	0	232	0	267	150	228	0	262	145	222	0	256	195	220	0	246	201	0	0	0
700	21	0	17	0	36	0	37	0	0	0	0	0	249	0	336	183	250	3	349	192	217	0	266	159	219	0	270	182	0	0	0
800	32	0	27	0	77	0	66	0	0	0	0	0	182	0	239	104	176	3	237	101	187	0	211	148	188	0	211	169	0	0	0
900	27	0	20	0	59	0	52	0	0	0	0	0	180	3	268	103	171	3	239	102	187	0	233	144	186	0	219	146	0	0	0
1000	35	0	26	0	71	0	62	0	0	0	0	0	196	0	264	109	189	3	262	103	196	0	222	176	196	0	219	174	0	0	0
1100	36	0	28	0	67	0	58	0	0	0	0	0	202	0	265	120	198	3	260	128	201	0	230	167	201	0	235	170	0	0	0
1200	37	0	28	0	50	0	49	0	0	0	0	0	227	0	273	189	226	3	285	191	220	0	243	195	218	0	245	190	0	0	0
1300	38	0	31	0	57	0	54	0	0	0	0	0	228	0	280	185	223	0	263	168	213	0	244	184	213	0	252	185	0	0	0
1400	38	0	31	0	59	0	53	0	0	0	0	0	236	0	287	186	233	0	305	191	208	0	253	178	206	0	246	182	0	0	0
1500	28	0	22	0	40	0	39	0	0	0	0	0	240	0	323	192	237	3	329	185	217	0	285	181	217	0	290	188	0	0	0
1600	41	0	39	0	46	0	51	0	0	0	0	0	247	0	263	209	242	0	263	194	241	0	261	200	240	0	258	213	0	0	0
1700	26	0	23	0	32	0	37	0	0	0	0	0	242	0	268	217	238	0	263	213	232	0	250	212	232	0	253	208	0	0	0
1800	25	0	20	0	26	0	23	0	0	0	0	0	228	0	246	216	225	5	243	213	205	0	239	192	203	0	223	191	0	0	0
1900	20	0	15	0	28	0	31	0	0	0	0	0	118	0	153	77	119	0	147	81	138	0	157	115	142	0	158	113	0	0	0
2000	35	0	36	0	66	0	70	0	0	0	0	0	141	0	333	105	138	0	189	102	145	0	165	132	148	0	168	134	0	0	0
2100	43	0	39	0	94	0	97	0	0	0	0	0	147	0	214	96	147	0	193	100	161	0	175	142	164	0	179	148	0	0	0
2200	39	0	35	0	83	0	83	0	0	0	0	0	168	0	226	112	163	0	239	101	170	0	208	127	170	0	201	143	0	0	0
2300	38	0	30	0	88	0	75	0	0	0	0	0	201	0	269	95	202	3	263	126	197	0	218	172	197	0	223	174	0	0	0
2400	26	0	21	0	53	0	46	0	0	0	0	0	188	0	247	110	186	3	240	124	190	0	207	163	189	0	216	163	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	682	0	676	0	664	0	658	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	44	0
200	630	0	624	0	622	0	617	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	55	0
300	635	0	630	0	630	0	624	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	55	0
400	653	0	648	0	642	0	635	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	53	0
500	621	0	617	0	613	0	608	0	320	0	320	0	0	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	63	0
600	619	0	612	0	606	0	599	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	80	0
700	621	0	615	0	610	0	603	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	123	0
800	626	0	621	0	612	0	606	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
900	628	0	622	0	613	0	608	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	147	0
1000	635	0	630	0	619	0	613	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
1100	644	0	639	0	626	0	619	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
1200	651	0	646	0	631	0	626	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
1300	666	0	660	0	642	0	637	0	320	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
1400	669	0	664	0	646	0	640	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
1500	678	0	673	0	653	0	648	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
1600	673	0	669	0	660	0	653	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
1700	678	0	673	0	658	0	653	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
1800	673	0	669	0	662	0	653	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
1900	669	0	662	0	655	0	649	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
2000	667	0	662	0	657	0	649	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
2100	666	0	658	0	653	0	648	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
2200	667	0	662	0	655	0	649	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
2300	675	0	667	0	660	0	657	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
2400	675	0	667	0	664	0	658	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	32	0	26	0	67	0	69	0	0	0	0	0	140	0	190	92	140	3	213	103	159	0	188	136	162	0	183	145	0	0	0	0	0	0
200	34	0	30	0	69	0	75	0	0	0	0	0	138	0	193	96	134	3	171	80	152	0	177	125	154	0	181	137	0	0	0	0	0	0
300	36	0	28	0	75	0	63	0	0	0	0	0	181	0	261	109	179	3	261	101	185	0	211	159	185	0	211	155	0	0	0	0	0	0
400	44	0	32	0	85	0	72	0	0	0	0	0	200	0	266	142	196	0	260	104	194	0	222	163	194	0	218	162	0	0	0	0	0	0
500	45	0	33	0	81	0	68	0	0	0	0	0	196	0	269	113	194	0	262	102	193	0	222	170	193	0	216	168	0	0	0	0	0	0
600	44	0	31	0	69	0	62	0	0	0	0	0	212	0	258	149	203	0	258	147	202	0	222	158	202	0	226	166	0	0	0	0	0	0
700	45	0	32	0	76	0	66	0	0	0	0	0	213	0	269	128	213	0	261	126	206	0	227	177	206	0	229	181	0	0	0	0	0	0
800	41	0	30	0	71	0	62	0	0	0	0	0	212	0	265	149	205	3	261	100	201	0	235	167	202	0	229	173	0	0	0	0	0	0
900	32	0	26	0	61	0	54	0	0	0	0	0	186	0	263	90	183	3	258	96	186	0	211	154	187	0	213	157	0	0	0	0	0	0
1000	40	0	31	0	68	0	59	0	0	0	0	0	192	0	267	118	185	0	262	101	183	0	248	137	186	0	233	104	0	0	0	0	0	0
1100	54	0	44	0	91	0	81	0	0	0	0	0	203	0	265	104	195	0	264	100	193	0	227	158	193	0	227	143	0	0	0	0	0	0
1200	46	0	36	0	98	0	85	0	0	0	0	0	180	0	253	101	178	0	260	102	182	0	216	138	184	0	219	145	0	0	0	0	0	0
1300	62	0	51	0	99	0	91	0	0	0	0	0	180	0	256	119	174	0	257	99	180	0	234	106	183	0	230	123	0	0	0	0	0	0
1400	71	0	58	0	116	0	103	0	0	0	0	0	186	0	255	114	186	0	264	101	181	0	209	144	183	0	222	142	0	0	0	0	0	0
1500	70	0	60	0	126	0	115	0	0	0	0	0	187	0	257	119	188	0	264	122	184	0	223	154	184	0	225	142	0	0	0	0	0	0
1600	74	0	66	0	161	0	135	0	0	0	0	0	180	0	253	98	183	0	264	126	183	0	217	158	184	0	212	158	0	0	0	0	0	0
1700	78	0	62	0	152	0	126	0	0	0	0	0	199	0	257	118	191	0	258	98	192	0	228	163	193	0	221	157	0	0	0	0	0	0
1800	78	0	67	0	162	0	139	0	0	0	0	0	191	0	258	98	192	0	260	105	191	0	231	156	190	0	219	154	0	0	0	0	0	0
1900	85	0	79	0	157	0	137	0	0	0	0	0	181	0	253	117	173	0	239	101	181	0	208	156	182	0	206	149	0	0	0	0	0	0
2000	94	0	77	0	184	0	153	0	0	0	0	0	202	0	266	111	201	0	260	126	195	0	227	160	194	0	221	163	0	0	0	0	0	0
2100	86	0	70	0	164	0	139	0	0	0	0	0	202	0	262	125	197	0	262	101	193	0	258	163	195	0	253	169	0	0	0	0	0	0
2200	66	0	54	0	126	0	110	0	0	0	0	0	202	0	263	108	198	0	261	124	197	0	248	152	196	0	238	137	0	0	0	0	0	0
2300	87	0	69	0	140	0	121	0	0	0	0	0	217	0	262	149	213	0	261	103	204	0	244	166	202	0	223	165	0	0	0	0	0	0
2400	60	0	49	0	120	0	105	0	0	0	0	0	197	0	259	108	190	0	260	125	188	0	232	147	188	0	229	145	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	675	0	667	0	666	0	660	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
200	675	0	669	0	671	0	666	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
300	678	0	673	0	671	0	666	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
400	678	0	673	0	671	0	666	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
500	676	0	671	0	669	0	666	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
600	675	0	669	0	667	0	664	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
700	676	0	671	0	671	0	666	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
800	682	0	676	0	676	0	669	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	149	0
900	693	0	689	0	682	0	676	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
1000	709	0	705	0	694	0	687	0	320	0	320	0	-13	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
1100	730	0	729	0	714	0	703	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
1200	734	0	730	0	714	0	707	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
1300	763	0	759	0	730	0	725	0	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
1400	781	0	777	0	756	0	748	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
1500	802	0	799	0	775	0	770	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
1600	799	0	793	0	774	0	768	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
1700	795	0	792	0	774	0	768	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
1800	768	0	766	0	761	0	752	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
1900	730	0	725	0	725	0	718	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
2000	720	0	716	0	714	0	709	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
2100	716	0	712	0	709	0	702	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
2200	709	0	703	0	696	0	691	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
2300	705	0	698	0	693	0	687	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0
2400	702	0	694	0	693	0	687	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	148	0

STATUS C[illegible](6) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	46	0	0	2	138	0	0	2	0	2	0	2	179	0	125	225	0	2	0	0	165	0	140	196	0	2	0	0	0	2	0	0	0	2
200	92	0	0	2	134	0	0	2	0	2	0	2	244	0	215	270	0	2	0	0	227	0	205	244	0	2	0	0	0	2	0	0	0	2
300	42	0	0	2	105	0	0	2	0	2	0	2	236	0	210	264	0	2	0	0	181	0	162	198	0	2	0	0	0	2	0	0	0	2
400	36	0	0	2	107	0	0	2	0	2	0	2	172	0	128	221	0	2	0	0	181	0	161	194	0	2	0	0	0	2	0	0	0	2
500	46	0	0	2	136	0	0	2	0	2	0	2	146	0	107	178	0	2	0	0	181	0	163	197	0	2	0	0	0	2	0	0	0	2
600	52	0	0	2	148	0	0	2	0	2	0	2	208	0	145	252	0	2	0	0	199	0	182	218	0	2	0	0	0	2	0	0	0	2
700	61	0	0	2	173	0	0	2	0	2	0	2	224	0	180	252	0	2	0	0	243	0	221	266	0	2	0	0	0	2	0	0	0	2
800	86	0	0	2	86	0	0	2	0	2	0	2	249	0	217	267	0	2	0	0	185	0	168	203	0	2	0	0	0	2	0	0	0	2
900	21	0	0	2	65	0	0	2	0	2	0	2	159	0	122	187	0	2	0	0	217	0	187	241	0	2	0	0	0	2	0	0	0	2
1000	11	0	11	0	25	0	28	0	0	0	0	0	262	0	350	185	260	3	348	193	251	0	326	215	247	0	320	211	0	0	0	0	0	0
1100	75	0	72	0	125	0	138	0	0	0	0	0	134	0	173	101	132	0	170	78	143	0	160	125	146	0	168	127	0	0	0	0	0	0
1200	68	0	53	0	131	0	104	0	0	0	0	0	196	0	268	134	192	0	261	100	194	0	223	156	194	0	224	160	0	0	0	0	0	0
1300	65	0	57	0	140	0	120	0	0	0	0	0	176	0	262	96	173	0	262	100	179	0	212	138	181	0	213	150	0	0	0	0	0	0
1400	260	0	261	0	394	0	403	0	0	0	0	0	317	0	343	282	309	0	349	262	324	0	343	313	316	0	342	303	0	0	0	0	0	0
1500	205	0	200	0	295	0	299	0	0	0	0	0	318	0	357	288	311	0	352	261	325	0	348	297	317	0	340	297	0	0	0	0	0	0
1600	215	0	213	0	306	0	309	0	0	0	0	0	313	0	336	277	307	0	349	240	319	0	351	301	311	0	337	291	0	0	0	0	0	0
1700	217	0	210	0	299	0	301	0	0	0	0	0	313	0	338	290	305	0	350	243	316	0	332	302	309	0	323	294	0	0	0	0	0	0
1800	237	0	219	0	325	0	326	0	0	0	0	0	314	0	329	293	306	0	352	258	318	0	333	305	312	0	336	299	0	0	0	0	0	0
1900	207	0	207	0	299	0	299	0	0	0	0	0	315	0	346	283	307	0	353	261	323	0	340	312	317	0	348	297	0	0	0	0	0	0
2000	234	0	223	0	303	0	306	0	0	0	0	0	313	0	332	292	307	0	349	281	318	0	329	308	311	0	334	298	0	0	0	0	0	0
2100	223	0	208	0	316	0	313	0	0	0	0	0	319	0	359	283	315	0	13	278	328	0	357	307	321	0	359	300	0	0	0	0	0	0
2200	222	0	215	0	308	0	309	0	0	0	0	0	317	0	355	281	310	0	11	283	322	0	336	310	316	0	332	301	0	0	0	0	0	0
2300	218	0	216	0	302	0	306	0	0	0	0	0	315	0	350	289	308	0	348	262	320	0	338	302	313	0	329	297	0	0	0	0	0	0
2400	194	0	198	0	289	0	293	0	0	0	0	0	329	0	6	281	324	0	12	281	333	0	359	290	326	0	351	292	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	713	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	652	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	642	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	645	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	645	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	659	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	666	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	686	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	683	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	685	0	680	0	682	0	676	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	234	0
1100	666	0	660	0	660	0	657	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	23	6
1200	689	0	684	0	685	0	680	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	31	0
1300	689	0	684	0	684	0	678	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	48	0
1400	613	0	608	0	597	0	592	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	106	0
1500	581	0	574	0	567	0	559	0	320	0	320	0	-9	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	559	0	556	0	554	0	538	0	320	0	320	0	0	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1700	561	0	554	0	549	0	543	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1800	559	0	556	0	547	0	540	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1900	559	0	554	0	547	0	541	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2000	549	0	543	0	536	0	531	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2100	527	0	522	0	516	0	509	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2200	511	0	504	0	500	0	495	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2300	504	0	502	0	498	0	489	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2400	500	0	495	0	493	0	487	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1	MIN 50 B S	MAX	WIND DIR2	MIN 150A S	MAX	WIND DIR3	MIN 150B S	MAX	WIND DIR4	MIN S	MAX	WIND DIR5	MIN S	MAX	WIND DIR6
100	176	0	158	0	276	0	272	0	0	0	0	0	326	0	11 286	324	0	52 281	331	0	359 300	327	0	10 291	0	0	0	0	0	0
200	173	0	168	0	248	0	250	0	0	0	0	0	323	0	3 288	320	0	12 281	329	0	5 297	322	0	356 296	0	0	0	0	0	0
300	167	0	159	0	242	0	242	0	0	0	0	0	326	0	30 288	322	0	35 281	330	0	6 296	324	0	356 288	0	0	0	0	0	0
400	157	0	150	0	246	0	247	0	0	0	0	0	331	0	6 286	326	0	33 284	335	0	0 305	329	0	5 293	0	0	0	0	0	0
500	176	0	167	0	261	0	264	0	0	0	0	0	328	0	9 286	317	0	351 236	331	0	14 304	323	0	359 292	0	0	0	0	0	0
600	147	0	136	0	212	0	207	0	0	0	0	0	337	0	44 298	327	0	37 284	336	0	1 310	330	0	354 278	0	0	0	0	0	0
700	133	0	127	0	197	0	196	0	0	0	0	0	345	0	35 281	337	0	37 283	344	0	14 321	338	0	4 317	0	0	0	0	0	0
800	95	0	85	0	149	0	147	0	0	0	0	0	354	0	71 298	348	0	124 284	352	0	42 321	346	0	38 303	0	0	0	0	0	0
900	87	0	81	0	126	0	126	0	0	0	0	0	16	0	88 302	12	0	82 306	6	0	45 328	1	0	49 320	0	0	0	0	0	0
1000	88	0	80	0	130	0	128	0	0	0	0	0	353	0	74 296	343	0	105 280	348	0	36 327	342	0	38 297	0	0	0	0	0	0
1100	86	0	78	0	117	0	118	0	0	0	0	0	349	0	50 275	345	0	79 281	345	0	22 294	339	0	14 280	0	0	0	0	0	0
1200	69	0	62	0	100	0	100	0	0	0	0	0	355	0	82 289	346	0	79 281	351	0	57 307	349	0	47 307	0	0	0	0	0	0
1300	99	0	97	0	133	0	132	0	0	0	0	0	344	0	28 291	336	0	35 283	344	0	22 308	339	0	28 312	0	0	0	0	0	0
1400	88	0	80	0	114	0	113	0	0	0	0	0	348	0	57 288	340	0	37 285	349	0	34 322	342	0	44 306	0	0	0	0	0	0
1500	79	0	73	0	113	0	114	0	0	0	0	0	335	0	33 281	327	0	35 281	336	0	2 286	332	0	22 287	0	0	0	0	0	0
1600	65	0	59	0	82	0	80	0	0	0	0	0	352	0	96 280	344	0	58 281	352	0	44 304	347	0	44 304	0	0	0	0	0	0
1700	54	0	48	0	72	0	73	0	0	0	0	0	17	0	75 304	12	0	124 304	4	0	81 328	357	0	65 296	0	0	0	0	0	0
1800	55	0	52	0	72	0	71	0	0	0	0	0	33	0	75 344	29	0	65 349	19	0	59 333	17	0	71 330	0	0	0	0	0	0
1900	30	0	30	0	43	0	52	0	0	0	0	0	69	3	85 53	67	3	83 38	54	0	70 37	54	0	69 39	0	0	0	0	0	0
2000	39	0	34	0	51	0	62	0	0	0	0	0	83	0	97 72	82	0	103 60	67	0	80 53	66	0	80 56	0	0	0	0	0	0
2100	43	0	39	0	69	0	71	0	0	0	0	0	107	0	124 89	107	0	128 82	90	0	102 78	90	0	105 77	0	0	0	0	0	0
2200	52	0	48	0	85	0	84	0	0	0	0	0	100	0	115 83	101	0	126 82	85	0	89 82	85	0	89 82	0	0	0	0	0	0
2300	53	0	49	0	87	0	87	0	0	0	0	0	101	0	114 89	100	0	125 82	86	0	95 81	86	0	94 79	0	0	0	0	0	0
2400	59	0	55	0	80	0	81	0	0	0	0	0	96	0	110 84	94	0	126 78	88	0	100 72	89	0	100 73	0	0	0	0	0	0

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	496	0	495	0	495	0	484	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
200	489	0	484	0	484	0	477	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
300	482	0	477	0	478	0	473	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
400	471	0	464	0	464	0	459	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
500	462	0	455	0	455	0	448	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
600	453	0	446	0	442	0	437	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
700	460	0	453	0	450	0	444	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
800	462	0	459	0	457	0	446	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
900	468	0	462	0	459	0	451	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	6
1000	475	0	469	0	462	0	457	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1100	484	0	480	0	471	0	462	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1200	487	0	482	0	473	0	468	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1300	491	0	487	0	477	0	469	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1400	495	0	489	0	478	0	469	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1500	509	0	504	0	478	0	475	0	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1600	509	0	504	0	482	0	477	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1700	487	0	482	0	477	0	471	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1800	473	0	466	0	471	0	466	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1900	444	0	437	0	468	0	462	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2000	446	0	437	0	468	0	460	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2100	451	0	442	0	462	0	457	0	320	0	320	0	9	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2200	446	0	437	0	459	0	451	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2300	441	0	432	0	455	0	448	0	320	0	320	0	9	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2400	435	0	428	0	439	0	433	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	S	MIN	MAX	S	WIND DIR6
														50 B	S		150A	S		150B	S									
100	54	0	49	0	80	0	81	0	0	0	0	0	100	0	128	72	97	0	147	79	95	0	114	80	96	0	113	78	0	0	0	0	0	0
200	63	0	59	0	92	0	93	0	0	0	0	0	99	0	115	82	98	0	126	79	93	0	111	86	94	0	104	81	0	0	0	0	0	0
300	77	0	71	0	109	0	111	0	0	0	0	0	101	0	122	77	99	0	128	80	92	0	128	80	94	0	126	79	0	0	0	0	0	0
400	71	0	63	0	101	0	102	0	0	0	0	0	103	0	132	79	102	0	147	38	94	0	120	79	95	0	117	78	0	0	0	0	0	0
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1200	44	0	38	0	69	0	71	0	0	0	0	0	137	0	196	98	137	0	198	101	146	0	168	121	149	0	176	124	0	0	0	0	0	0
1300	23	0	20	0	60	0	55	0	0	0	0	0	187	3	264	78	179	3	261	101	184	0	217	141	183	0	219	150	0	0	0	0	0	0
1400	52	0	38	0	100	0	84	0	0	0	0	0	206	0	269	126	199	0	263	98	197	0	221	175	195	0	219	130	0	0	0	0	0	0
1500	30	0	23	0	64	0	57	0	0	0	0	0	203	0	261	98	197	3	262	102	200	0	233	167	199	0	228	174	0	0	0	0	0	0
1600	22	0	18	0	55	0	50	0	0	0	0	0	173	3	262	99	167	3	239	101	182	0	218	144	182	0	213	148	0	0	0	0	0	0
1700	10	0	10	0	18	0	20	0	0	0	0	0	180	3	238	100	174	3	221	102	164	0	234	100	167	0	212	106	0	0	0	0	0	0
1800	41	0	39	0	80	0	75	0	0	0	0	0	172	0	232	95	169	0	218	123	170	0	178	165	172	0	181	165	0	0	0	0	0	0
1900	21	0	14	0	33	0	29	0	0	0	0	0	207	0	262	177	206	3	263	170	191	0	209	171	191	0	211	169	0	0	0	0	0	0
2000	22	0	17	0	47	0	38	0	0	0	0	0	190	3	259	125	180	3	239	127	193	0	199	186	192	0	199	185	0	0	0	0	0	0
2100	36	0	24	0	50	0	44	0	0	0	0	0	214	0	234	175	210	3	263	150	214	0	218	209	216	0	221	208	0	0	0	0	0	0
2200	39	0	24	0	39	0	41	0	0	0	0	0	211	0	228	191	207	0	239	172	220	0	226	213	222	0	226	216	0	0	0	0	0	0
2300	37	0	24	0	40	0	36	0	0	0	0	0	213	0	236	187	209	0	237	171	203	0	212	182	203	0	214	185	0	0	0	0	0	0
2400	31	0	20	0	28	0	24	0	0	0	0	0	208	0	234	187	204	0	220	168	199	0	213	178	199	0	216	177	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	430	0	423	0	433	0	428	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
200	426	0	419	0	430	0	423	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
300	424	0	417	0	428	0	421	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	493	0	487	0	484	0	477	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1300	500	0	495	0	486	0	480	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1400	502	0	498	0	493	0	486	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1500	489	0	482	0	478	0	473	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1600	493	0	487	0	482	0	477	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1700	487	0	480	0	482	0	477	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1800	480	0	475	0	480	0	475	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1900	471	0	464	0	475	0	468	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2000	459	0	451	0	466	0	459	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2100	464	0	459	0	471	0	464	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2200	464	0	457	0	473	0	468	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2300	469	0	464	0	475	0	468	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2400	462	0	455	0	466	0	460	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	36	0	23	0	52	0	45	0	0	0	0	0	210	0	251	161	206	3	256	168	203	0	205	200	202	0	205	199	0	0	0	0	0	0
200	38	0	27	0	55	0	50	0	0	0	0	0	193	0	236	123	185	3	217	127	201	0	207	196	201	0	209	196	0	0	0	0	0	0
300	43	0	31	0	48	0	37	0	0	0	0	0	208	0	279	183	203	0	254	171	210	0	216	204	210	0	219	203	0	0	0	0	0	0
400	39	0	28	0	76	0	70	0	0	0	0	0	200	0	245	93	193	3	235	145	199	0	204	194	198	0	203	193	0	0	0	0	0	0
500	33	0	28	0	80	0	58	0	0	0	0	0	174	0	230	119	169	3	215	126	190	0	193	183	189	0	193	179	0	0	0	0	0	0
600	62	0	43	0	89	0	92	0	0	0	0	0	215	0	234	185	211	0	241	170	220	0	238	210	221	0	232	210	0	0	0	0	0	0
700	67	0	53	0	88	0	94	0	0	0	0	0	224	0	247	199	220	0	242	194	236	0	244	224	233	0	242	224	0	0	0	0	0	0
800	66	0	61	0	90	0	96	0	0	0	0	0	257	0	291	223	252	0	285	216	255	0	289	204	251	0	272	207	0	0	0	0	0	0
900	104	0	97	0	123	0	127	0	0	0	0	0	269	0	319	232	265	0	350	215	282	0	315	247	275	0	313	241	0	0	0	0	0	0
1000	124	0	114	0	177	0	185	0	0	0	0	0	295	0	333	254	290	0	352	214	299	0	313	276	292	0	325	267	0	0	0	0	0	0
1100	91	0	85	0	128	0	135	0	0	0	0	0	294	0	350	244	289	0	354	216	294	0	325	244	287	0	320	187	0	0	0	0	0	0
1200	140	0	130	0	198	0	198	0	0	0	0	0	350	0	33	312	343	0	35	284	345	0	17	325	339	0	8	321	0	0	0	0	0	0
1300	80	0	77	0	96	0	104	0	0	0	0	0	283	0	330	231	278	0	350	217	289	0	319	250	286	0	317	241	0	0	0	0	0	0
1400	83	0	77	0	97	0	104	0	0	0	0	0	283	0	332	243	277	0	330	195	290	0	325	248	283	0	315	237	0	0	0	0	0	0
1500	84	0	78	0	100	0	106	0	0	0	0	0	267	0	336	232	263	0	351	229	268	0	308	243	266	0	314	236	0	0	0	0	0	0
1600	75	0	71	0	97	0	104	0	0	0	0	0	263	0	302	229	257	0	326	196	264	0	309	231	262	0	290	222	0	0	0	0	0	0
1700	57	0	53	0	76	0	85	0	0	0	0	0	266	0	330	227	261	0	326	215	271	0	331	240	266	0	323	234	0	0	0	0	0	0
1800	154	0	150	0	204	0	208	0	0	0	0	0	317	0	343	284	313	0	352	262	319	0	340	305	312	0	336	299	0	0	0	0	0	0
1900	137	0	132	0	215	0	214	0	0	0	0	0	347	0	26	307	342	0	128	285	343	0	12	312	337	0	10	311	0	0	0	0	0	0
2000	127	0	118	0	195	0	189	0	0	0	0	0	352	0	30	324	344	0	38	303	350	0	39	319	344	0	31	314	0	0	0	0	0	0
2100	139	0	130	0	204	0	207	0	0	0	0	0	342	0	19	289	335	0	58	280	339	0	3	302	335	0	28	302	0	0	0	0	0	0
2200	91	0	83	0	144	0	140	0	0	0	0	0	1	0	178	322	351	0	57	304	354	0	41	316	347	0	40	308	0	0	0	0	0	0
2300	41	0	38	0	55	0	57	0	0	0	0	0	97	0	138	65	96	0	147	58	91	0	121	51	92	0	134	63	0	0	0	0	0	0
2400	46	0	39	0	57	0	59	0	0	0	0	0	107	0	142	71	108	0	147	60	76	0	120	69	97	0	121	66	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	460	0	453	0	469	0	464	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
200	459	0	451	0	473	0	468	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
300	466	0	459	0	477	0	471	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
400	457	0	450	0	471	0	466	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
500	448	0	441	0	464	0	459	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
600	446	0	439	0	462	0	457	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
700	453	0	446	0	468	0	462	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
800	504	0	498	0	498	0	493	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
900	516	0	511	0	509	0	502	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1000	505	0	500	0	500	0	493	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1100	516	0	511	0	507	0	502	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1200	502	0	496	0	500	0	495	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
1300	532	0	527	0	516	0	511	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	6
1400	554	0	549	0	523	0	520	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1500	541	0	536	0	523	0	520	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1600	532	0	527	0	523	0	516	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1700	525	0	520	0	522	0	514	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1800	496	0	489	0	487	0	480	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	136	0
1900	500	0	493	0	500	0	495	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2000	509	0	502	0	504	0	498	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2100	513	0	505	0	507	0	500	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2200	511	0	504	0	505	0	500	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2300	478	0	473	0	469	0	464	0	320	0	320	0	-13	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2400	462	0	455	0	460	0	453	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0

STATUS CO[illegible]G) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, [illegible] UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLE[illegible]

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	51	0	48	0	61	0	65	0	0	0	0	0	125	0	146	106	124	0	149	88	122	0	135	109	124	0	138	107	0	0	0	0
200	48	0	42	0	69	0	71	0	0	0	0	0	110	0	139	85	109	0	147	59	111	0	131	93	112	0	134	95	0	0	0	0
300	58	0	53	0	77	0	76	0	0	0	0	0	99	0	132	70	97	0	126	58	88	0	117	54	89	0	121	60	0	0	0	0
400	52	0	53	0	71	0	82	0	0	0	0	0	75	0	104	52	74	0	105	33	65	0	92	41	65	0	87	45	0	0	0	0
500	56	0	58	0	79	0	93	0	0	0	0	0	77	0	106	57	75	0	104	35	68	0	92	50	67	0	88	52	0	0	0	0
600	54	0	48	0	81	0	88	0	0	0	0	0	88	0	109	62	85	0	123	56	75	0	85	66	74	0	88	65	0	0	0	0
700	49	0	46	0	69	0	85	0	0	0	0	0	80	0	95	68	80	0	104	58	68	0	75	61	66	0	73	56	0	0	0	0
800	35	0	33	0	68	0	70	0	0	0	0	0	99	0	121	80	96	0	127	58	84	0	94	60	83	0	97	57	0	0	0	0
900	27	0	24	0	31	0	35	0	0	0	0	0	94	3	129	54	93	3	150	58	87	0	110	59	87	0	117	59	0	0	0	0
1000	29	0	24	0	33	0	36	0	0	0	0	0	92	3	125	55	93	3	128	58	81	0	109	48	80	0	101	22	0	0	0	0
1100	27	0	23	0	21	0	27	0	0	0	0	0	50	3	119	5	47	3	103	11	48	3	84	13	49	3	87	19	0	0	0	0
1200	32	0	30	0	39	0	45	0	0	0	0	0	57	0	126	6	51	3	126	.12	45	0	93	0	42	0	89	358	0	0	0	0
1300	32	0	29	0	37	0	43	0	0	0	0	0	307	0	357	223	303	3	352	216	318	0	346	270	313	0	347	283	0	0	0	0
1400	61	0	58	0	70	0	73	0	0	0	0	0	330	0	35	275	325	0	38	281	329	0	4	285	325	0	65	285	0	0	0	0
1500	63	0	60	0	83	0	86	0	0	0	0	0	322	0	44	274	308	0	353	239	322	0	2	285	314	0	348	283	0	0	0	0
1600	67	0	63	0	85	0	87	0	0	0	0	0	344	0	34	283	337	0	37	281	343	0	25	302	337	0	8	306	0	0	0	0
1700	54	0	51	0	67	0	70	0	0	0	0	0	320	0	353	275	312	0	353	258	323	0	355	285	317	0	337	275	0	0	0	0
1800	37	0	33	0	35	0	36	0	0	0	0	0	16	0	60	317	14	0	61	305	19	0	117	303	15	0	104	291	0	0	0	0
1900	37	0	37	0	33	0	44	0	0	0	0	0	75	0	93	66	73	0	103	58	61	0	69	41	61	0	67	40	0	0	0	0
2000	59	0	54	0	73	0	79	0	0	0	0	0	89	0	95	80	84	0	103	79	76	0	80	69	76	0	81	69	0	0	0	0
2100	65	0	61	0	120	0	122	0	0	0	0	0	96	0	110	80	96	0	126	60	78	0	85	69	78	0	82	73	0	0	0	0
2200	67	0	64	0	120	0	120	0	0	0	0	0	105	0	112	98	105	0	126	82	88	0	92	85	88	0	93	84	0	0	0	0
2300	66	0	61	0	114	0	112	0	0	0	0	0	102	0	112	92	102	0	106	82	83	0	86	80	83	0	87	79	0	0	0	0
2400	60	0	57	0	86	0	92	0	0	0	0	0	140	0	159	124	143	0	168	106	140	0	143	137	143	0	147	140	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	460	0	433	0	459	0	453	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
200	459	0	451	0	460	0	453	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
300	455	0	446	0	453	0	446	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
400	439	0	430	0	441	0	435	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
500	423	0	415	0	435	0	430	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
600	428	0	421	0	442	0	435	0	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
700	435	0	428	0	459	0	451	0	320	0	320	0	16	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
800	453	0	446	0	459	0	451	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
900	480	0	475	0	473	0	466	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1000	484	0	477	0	477	0	469	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1100	498	0	495	0	486	0	478	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1200	520	0	516	0	495	0	489	0	320	0	320	0	-27	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1300	523	0	520	0	500	0	496	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1400	554	0	549	0	505	0	502	0	320	0	320	0	-49	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1500	543	0	536	0	496	0	491	0	320	0	320	0	-47	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1600	529	0	523	0	500	0	495	0	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1700	525	0	520	0	498	0	495	0	320	0	320	0	-27	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1800	504	0	496	0	495	0	487	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1900	433	0	428	0	487	0	480	0	320	0	320	0	50	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2000	450	0	439	0	484	0	478	0	320	0	320	0	31	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2100	433	0	424	0	464	0	459	0	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2200	428	0	419	0	466	0	460	0	320	0	320	0	34	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2300	421	0	412	0	468	0	462	0	320	0	320	0	43	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2400	372	0	365	0	451	0	446	0	320	0	320	0	77	0	79	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	67	0	65	0	100	0	103	0	0	0	0	0	134	0	141	128	136	0	148	126	106	0	114	102	107	0	115	101	0	0	0	0	0	0
200	69	0	65	0	79	0	83	0	0	0	0	0	137	0	145	132	142	0	150	127	119	0	120	116	122	0	122	118	0	0	0	0	0	0
300	67	0	63	0	78	0	82	0	0	0	0	0	129	0	135	123	130	0	148	126	119	0	123	116	121	0	124	118	0	0	0	0	0	0
400	66	0	64	0	54	0	59	0	0	0	0	0	134	0	137	130	131	0	148	127	126	0	127	124	129	0	129	128	0	0	0	0	0	0
500	67	0	63	0	75	0	80	0	0	0	0	0	143	0	163	129	145	0	170	125	139	0	142	135	142	0	146	138	0	0	0	0	0	0
600	63	0	62	0	71	0	75	0	0	0	0	0	149	0	162	270	147	0	168	126	134	0	142	128	138	0	145	132	0	0	0	0	0	0
700	64	0	62	0	86	0	91	0	0	0	0	0	136	0	157	126	138	0	166	120	140	0	142	135	143	0	145	139	0	0	0	0	0	0
800	51	0	44	0	87	0	92	0	0	0	0	0	139	0	194	119	139	0	190	102	141	0	143	138	144	0	147	141	0	0	0	0	0	0
900	44	0	37	0	43	0	49	0	0	0	0	0	117	0	148	18	115	0	147	78	142	0	159	119	146	0	178	122	0	0	0	0	0	0
1000	36	0	34	0	40	0	46	0	0	0	0	0	119	0	170	67	116	0	173	34	133	0	193	108	135	0	173	99	0	0	0	0	0	0
1100	53	0	48	0	49	0	57	0	0	0	0	0	266	0	308	214	262	0	350	195	274	0	325	244	268	0	318	229	0	0	0	0	0	0
1200	74	0	71	0	70	0	78	0	0	0	0	0	267	0	299	235	260	0	304	214	262	0	286	243	259	0	279	235	0	0	0	0	0	0
1300	49	0	47	0	62	0	70	0	0	0	0	0	289	0	341	227	283	0	331	218	293	0	316	260	287	0	318	232	0	0	0	0	0	0
1400	53	0	49	0	64	0	67	0	0	0	0	0	309	0	355	237	299	0	356	236	313	0	357	267	309	0	352	280	0	0	0	0	0	0
1500	67	0	66	0	84	0	91	0	0	0	0	0	312	0	356	265	303	0	352	240	315	0	347	270	309	0	341	286	0	0	0	0	0	0
1600	74	0	71	0	96	0	102	0	0	0	0	0	326	0	37	280	315	0	357	239	326	0	4	294	321	0	348	283	0	0	0	0	0	0
1700	77	0	72	0	112	0	113	0	0	0	0	0	339	0	21	281	331	0	35	284	338	0	4	294	333	0	17	285	0	0	0	0	0	0
1800	38	0	34	0	54	0	57	0	0	0	0	0	349	0	37	272	343	0	36	279	343	0	16	300	338	0	19	296	0	0	0	0	0	0
1900	35	0	31	0	44	0	45	0	0	0	0	0	36	0	71	350	31	0	81	350	9	0	33	339	5	0	35	331	0	0	0	0	0	0
2000	43	0	39	0	36	0	41	0	0	0	0	0	112	0	123	102	114	0	129	102	78	0	88	62	77	0	87	64	0	0	0	0	0	0
2100	46	0	42	0	38	0	41	0	0	0	0	0	109	0	114	102	106	0	126	102	86	0	92	75	86	0	93	76	0	0	0	0	0	0
2200	61	0	56	0	55	0	57	0	0	0	0	0	118	0	122	115	124	0	127	105	98	0	103	96	99	0	104	98	0	0	0	0	0	0
2300	46	0	42	0	38	0	41	0	0	0	0	0	116	0	119	114	125	0	126	105	99	0	102	96	100	0	104	95	0	0	0	0	0	0
2400	78	0	74	0	12	0	13	0	0	0	0	0	181	0	250	98	172	0	192	145	213	0	251	178	211	0	244	158	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	408	0	401	0	450	0	442	0	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
200	406	0	399	0	455	0	450	0	320	0	320	0	43	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
300	412	0	405	0	455	0	448	0	320	0	320	0	38	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
400	406	0	399	0	455	0	450	0	320	0	320	0	45	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
500	381	0	374	0	460	0	453	0	320	0	320	0	74	0	76	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
600	381	0	376	0	459	0	451	0	320	0	320	0	72	0	74	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
700	370	0	363	0	453	0	446	0	320	0	320	0	79	0	81	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
800	396	0	388	0	451	0	446	0	320	0	320	0	54	0	56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
900	464	0	459	0	457	0	451	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1000	523	0	520	0	507	0	504	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1100	536	0	531	0	516	0	513	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1200	527	0	522	0	523	0	520	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1300	561	0	556	0	520	0	516	0	320	0	320	0	-41	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1400	567	0	561	0	518	0	514	0	320	0	320	0	-49	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1500	567	0	559	0	518	0	514	0	320	0	320	0	-49	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1600	558	0	550	0	523	0	518	0	320	0	320	0	-36	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1700	541	0	534	0	518	0	513	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1800	525	0	520	0	520	0	513	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1900	464	0	477	0	513	0	507	0	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2000	477	0	469	0	504	0	498	0	320	0	320	0	25	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2100	469	0	462	0	500	0	493	0	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2200	471	0	464	0	500	0	493	0	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2300	464	0	457	0	489	0	484	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2400	423	0	415	0	502	0	495	0	320	0	320	0	77	0	77	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0

STATUS CODES) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLE

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1 MIN	MAX	S	WIND DIR2 50 B	S	WIND DIR3 MIN	MAX	S	WIND DIR4 150A	S	WIND DIR5 MIN	MAX	S	WIND DIR6 150B	S	WIND DIR7 MIN	MAX	S
100	49	0	45	0	37	0	40	0	0	0	0	0	120	124	0	125	0	126	124	0	112	0	117	107	0	114	0	121	110	0	0	0
200	41	0	39	0	23	0	27	0	0	0	0	0	129	131	0	128	0	147	127	0	123	0	130	120	0	126	0	134	122	0	0	0
300	17	0	18	0	49	2	8	0	0	0	0	0	165	229	0	164	0	198	147	0	310	0	1	281	0	304	0	359	275	0	0	0
400	39	0	38	0	51	2	10	0	0	0	0	0	155	161	0	150	0	170	146	0	264	0	328	225	0	255	0	313	191	0	0	0
500	33	0	24	0	24	0	29	0	0	0	0	0	204	281	0	182	0	215	171	0	242	0	262	222	0	241	0	256	222	0	0	0
600	59	0	53	0	30	0	34	0	0	0	0	0	184	241	0	98	0	213	165	0	222	0	238	209	0	221	0	234	207	0	0	0
700	65	0	57	0	29	0	33	0	0	0	0	0	192	262	0	174	0	211	149	0	224	0	256	183	0	222	0	250	173	0	0	0
800	78	2	74	2	12	2	13	2	0	0	0	0	181	250	0	98	0	192	145	0	213	2	251	178	0	211	2	244	158	0	0	0
900	52	0	52	0	78	0	83	0	0	0	0	0	132	151	0	113	0	152	104	0	142	0	155	135	0	146	0	157	139	0	0	0
1000	44	0	38	0	38	0	42	0	0	0	0	0	120	148	0	85	0	147	79	0	0	0	0	0	0	137	0	158	108	0	0	0
1100	32	0	29	0	36	0	38	0	0	0	0	0	338	64	0	275	0	57	281	0	339	0	53	289	0	335	0	66	272	0	0	0
1200	41	0	36	0	10	2	47	0	0	0	0	0	306	345	0	267	0	349	240	0	320	0	0	271	0	298	0	334	244	0	0	0
1300	50	0	42	0	61	0	64	0	0	0	0	0	303	13	0	273	0	350	213	0	310	0	339	288	0	304	0	346	279	0	0	0
1400	53	0	50	0	75	0	78	0	0	0	0	0	322	13	0	271	0	353	193	0	329	0	1	297	0	323	0	351	286	0	0	0
1500	50	0	48	0	68	0	68	0	0	0	0	0	326	150	0	275	0	353	198	0	331	0	14	274	0	328	0	3	274	0	0	0
1600	45	0	41	0	54	0	56	0	0	0	0	0	327	21	0	271	0	353	236	0	331	0	0	283	0	325	0	357	273	0	0	0
1700	17	0	16	0	23	0	27	0	0	0	0	0	15	93	3	284	3	103	283	3	11	3	75	301	3	5	3	70	286	0	0	0
1800	11	0	11	0	7	0	11	0	0	0	0	0	127	258	3	90	3	175	81	3	115	3	162	79	3	118	3	168	77	0	0	0
1900	45	0	43	0	45	0	49	0	0	0	0	0	139	154	0	127	0	170	125	0	138	0	143	132	0	142	0	145	134	0	0	0
2000	48	0	46	0	64	0	60	0	0	0	0	0	175	253	0	103	0	213	127	0	167	0	171	161	0	169	0	172	162	0	0	0
2100	54	0	53	0	89	0	91	0	0	0	0	0	165	256	0	113	0	192	123	0	167	0	169	162	0	168	0	171	165	0	0	0
2200	61	0	61	0	107	0	88	0	0	0	0	0	175	265	0	143	0	196	123	0	170	0	174	168	0	172	0	174	169	0	0	0
2300	58	0	50	0	142	0	112	0	0	0	0	0	176	245	0	134	0	233	111	0	185	0	189	181	0	185	0	189	182	0	0	0
2400	53	0	52	0	164	0	116	0	0	0	0	0	181	254	0	120	0	220	124	0	192	0	194	190	0	190	0	193	187	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	469	0	462	0	475	0	468	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
200	462	0	455	0	475	0	469	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
300	475	0	466	0	469	0	464	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
400	448	0	439	0	459	0	453	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
500	459	0	448	0	480	0	473	0	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
600	421	0	414	0	486	0	480	0	320	0	320	0	67	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
700	441	0	435	0	493	0	484	0	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
800	394	0	390	0	518	0	509	0	320	0	320	0	121	0	121	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
900	473	0	468	0	484	0	477	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1000	552	0	549	0	545	0	541	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1100	594	0	588	0	559	0	556	0	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1200	592	0	586	0	558	0	554	0	320	0	320	0	-31	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1300	606	0	603	0	556	0	552	0	320	0	320	0	-47	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1400	615	0	610	0	563	0	559	0	320	0	320	0	-49	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1500	613	0	608	0	567	0	561	0	320	0	320	0	-43	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1600	610	0	603	0	572	0	568	0	320	0	320	0	-32	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1700	603	0	595	0	577	0	572	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1800	572	0	563	0	567	0	559	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1900	538	0	529	0	541	0	534	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2000	525	0	518	0	543	0	536	0	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2100	496	0	489	0	543	0	538	0	320	0	320	0	49	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2200	489	0	482	0	543	0	538	0	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2300	478	0	473	0	541	0	534	0	320	0	320	0	61	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2400	460	0	451	0	540	0	532	0	320	0	320	0	79	0	81	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 3 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1 MIN 50	MAX B	S	WIND DIR2 MIN 150A	MAX	S	WIND DIR3 MIN 150B	MAX	S	WIND DIR4 MIN	MAX S	WIND DIR5 MIN	MAX S	WIND DIR6 MIN	MAX
100	62	0	57	0	179	0	133	0	0	0	0	0	169	264	101	159	213	103	193	195	191	192	196	189	0	0	0	0
200	54	0	49	0	163	0	131	0	0	0	0	0	174	239	94	165	259	102	188	200	172	188	198	166	0	0	0	0
300	49	0	37	0	144	0	124	0	0	0	0	0	198	258	144	196	242	124	198	215	184	199	210	179	0	0	0	0
400	69	0	52	0	128	0	132	0	0	0	0	0	205	233	178	201	258	168	219	225	214	221	227	214	0	0	0	0
500	70	0	51	0	125	0	133	0	0	0	0	0	215	241	190	212	258	168	228	234	220	227	233	220	0	0	0	0
600	74	0	54	0	125	0	132	0	0	0	0	0	216	231	196	215	240	191	231	239	223	229	236	220	0	0	0	0
700	65	0	48	0	117	0	125	0	0	0	0	0	206	240	166	201	236	127	234	245	220	232	244	222	0	0	0	0
800	59	0	50	0	108	0	116	0	0	0	0	0	229	265	200	226	263	192	240	253	222	238	264	217	0	0	0	0
900	69	0	61	0	100	0	104	0	0	0	0	0	240	283	215	236	270	195	232	267	198	231	267	193	0	0	0	0
1000	93	0	86	0	121	0	128	0	0	0	0	0	242	277	205	239	285	194	237	277	193	234	272	204	0	0	0	0
1100	104	0	99	0	140	0	147	0	0	0	0	0	245	291	192	243	327	191	234	268	189	234	273	194	0	0	0	0
1200	145	0	137	0	180	0	191	0	0	0	0	0	247	274	215	245	267	214	243	256	226	240	254	226	0	0	0	0
1300	129	0	128	0	152	0	162	0	0	0	0	0	250	278	213	249	307	214	241	267	191	239	262	190	0	0	0	0
1400	131	0	128	0	180	0	191	0	0	0	0	0	251	281	221	245	280	197	250	263	234	247	260	229	0	0	0	0
1500	132	0	127	0	172	0	183	0	0	0	0	0	251	289	229	245	285	215	247	262	231	243	253	229	0	0	0	0
1600	116	0	110	0	153	0	161	0	0	0	0	0	246	275	195	243	281	191	237	277	203	235	267	199	0	0	0	0
1700	105	0	99	0	154	0	161	0	0	0	0	0	241	271	180	240	281	194	232	260	200	231	253	190	0	0	0	0
1800	94	0	90	0	146	0	151	0	0	0	0	0	238	267	193	236	283	192	231	257	206	228	253	201	0	0	0	0
1900	102	0	96	0	165	0	166	0	0	0	0	0	234	323	205	230	264	171	224	248	192	222	241	197	0	0	0	0
2000	119	0	107	0	200	0	189	0	0	0	0	0	231	298	191	228	264	170	221	246	191	219	247	189	0	0	0	0
2100	130	0	115	0	205	0	199	0	0	0	0	0	229	268	193	227	285	192	219	251	170	218	242	187	0	0	0	0
2200	136	0	136	0	206	0	216	0	0	0	0	0	246	277	214	246	331	195	236	273	210	232	256	208	0	0	0	0
2300	143	0	142	0	220	0	231	0	0	0	0	0	245	275	212	242	283	194	240	267	209	234	259	208	0	0	0	0
2400	202	0	204	0	269	0	287	0	0	0	0	0	249	278	231	248	286	199	241	258	206	236	253	207	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	439	0	432	0	536	0	531	0	320	0	320	0	97	0	99	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
200	433	0	426	0	502	0	496	0	320	0	320	0	67	0	68	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
300	442	0	435	0	480	0	475	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
400	439	0	432	0	493	0	486	0	320	0	320	0	50	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
500	435	0	428	0	496	0	489	0	320	0	320	0	59	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
600	437	0	430	0	491	0	486	0	320	0	320	0	52	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
700	421	0	415	0	484	0	478	0	320	0	320	0	61	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
800	466	0	460	0	495	0	489	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
900	518	0	513	0	518	0	513	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1000	563	0	556	0	549	0	543	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1100	588	0	583	0	570	0	567	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1200	595	0	588	0	581	0	576	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1300	615	0	608	0	594	0	588	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1400	624	0	619	0	601	0	595	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1500	628	0	622	0	610	0	604	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1600	642	0	637	0	622	0	617	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1700	631	0	626	0	621	0	615	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1800	622	0	619	0	621	0	617	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1900	612	0	606	0	613	0	608	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2000	606	0	599	0	603	0	597	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2100	599	0	592	0	595	0	590	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2200	594	0	586	0	586	0	581	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2300	597	0	590	0	590	0	585	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2400	597	0	592	0	590	0	585	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN S	MAX	S	WIND DIR5	MIN S	MAX	S	WIND DIR6	
100	196	0	196	0	270	0	287	0	0	0	0	0	247	273	224	0	244	282	194	0	244	301	216	0	238	278	210	0	0	0	0	0	0	0
200	237	0	238	0	331	0	348	0	0	0	0	0	249	274	216	0	247	286	194	0	247	259	233	0	242	253	230	0	0	0	0	0	0	0
300	237	0	237	0	332	0	347	0	0	0	0	0	251	273	236	0	248	307	215	0	251	266	235	0	247	273	233	0	0	0	0	0	0	0
400	209	0	210	0	316	0	329	0	0	0	0	0	255	286	227	0	252	294	208	0	255	278	238	0	250	269	233	0	0	0	0	0	0	0
500	193	0	189	0	299	0	311	0	0	0	0	0	257	284	233	0	250	285	216	0	258	276	234	0	254	273	209	0	0	0	0	0	0	0
600	184	0	187	0	287	0	302	0	0	0	0	0	261	293	230	0	256	305	214	0	259	284	233	0	254	272	221	0	0	0	0	0	0	0
700	203	0	192	0	289	0	307	0	0	0	0	0	267	285	246	0	263	328	218	0	263	262	232	0	259	276	241	0	0	0	0	0	0	0
800	220	0	213	0	260	0	311	0	0	0	0	0	268	297	244	0	341	179	236	0	273	299	253	0	267	288	234	0	0	0	0	0	0	0
900	190	0	189	0	269	0	263	0	0	0	0	0	319	178	270	0	287	319	241	0	327	173	272	0	288	303	265	0	0	0	0	0	0	0
1000	172	2	156	0	239	0	244	0	0	0	0	0	293	344	232	0	287	317	264	0	301	309	291	0	293	302	279	0	0	0	0	0	0	0
1100	250	2	169	0	224	0	224	0	0	0	0	0	310	354	243	0	306	319	286	0	318	332	308	0	310	321	297	0	0	0	0	0	0	0
1200	245	2	119	0	182	0	184	0	0	0	0	0	313	357	249	0	309	352	277	0	321	336	290	0	314	339	296	0	0	0	0	0	0	0
1300	176	2	125	0	179	0	178	0	0	0	0	0	319	5	276	0	311	353	261	0	329	356	302	0	321	351	290	0	0	0	0	0	0	0
1400	107	0	103	0	153	0	153	0	0	0	0	0	337	31	282	0	330	62	283	0	336	4	304	0	330	350	301	0	0	0	0	0	0	0
1500	90	0	90	0	119	0	116	0	0	0	0	0	347	35	299	0	336	46	281	0	348	27	321	0	341	23	305	0	0	0	0	0	0	0
1600	81	0	80	0	104	0	104	0	0	0	0	0	28	0	72	351	22	0	62	327	18	0	53	324	12	0	54	321	0	0	0	0	0	0
1700	69	0	72	0	88	0	89	0	0	0	0	0	40	0	77	0	38	0	107	6	36	0	64	9	32	0	65	353	0	0	0	0	0	0
1800	53	0	58	0	78	0	81	0	0	0	0	0	52	0	86	30	49	0	85	14	43	0	63	18	40	0	60	11	0	0	0	0	0	0
1900	34	0	35	0	47	0	54	0	0	0	0	0	92	0	132	47	92	0	127	35	66	0	114	28	64	0	112	36	0	0	0	0	0	0
2000	60	0	63	0	83	0	97	0	0	0	0	0	77	0	82	71	78	0	83	59	67	0	73	62	66	0	68	61	0	0	0	0	0	0
2100	60	0	59	0	92	0	92	0	0	0	0	0	89	0	104	75	87	0	106	59	80	0	87	73	79	0	88	72	0	0	0	0	0	0
2200	64	0	65	0	95	0	94	0	0	0	0	0	105	0	112	98	104	0	122	90	94	0	99	87	94	0	100	85	0	0	0	0	0	0
2300	65	0	64	0	102	0	121	0	0	0	0	0	80	0	91	72	80	0	102	59	66	0	71	57	65	0	68	60	0	0	0	0	0	0
2400	69	0	68	0	102	0	112	0	0	0	0	0	95	0	109	86	95	0	124	82	75	0	78	73	73	0	77	72	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	594	0	586	0	586	0	581	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
200	595	0	588	0	588	0	583	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
300	586	0	581	0	581	0	574	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
400	581	0	576	0	576	0	570	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
500	579	0	574	0	574	0	570	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
600	576	0	570	0	570	0	565	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
700	574	0	570	0	570	0	565	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
800	583	0	577	0	574	0	568	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
900	590	0	585	0	579	0	574	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
1000	595	0	590	0	576	0	572	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	603	0	597	0	579	0	574	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	543	2	595	0	529	0	563	0	320	0	320	0	-14	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	617	0	612	0	583	0	577	0	320	0	320	0	-34	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	615	0	606	0	577	0	572	0	320	0	320	0	-32	2	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	621	0	613	0	583	0	579	0	320	0	320	0	-36	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	615	0	612	0	590	0	583	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	603	0	599	0	583	0	577	0	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	577	0	570	0	572	0	568	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	540	0	531	0	556	0	550	0	320	0	320	0	16	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	509	0	504	0	558	0	552	0	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	513	0	505	0	549	0	545	0	320	0	320	0	38	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	514	0	505	0	545	0	540	0	320	0	320	0	31	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	507	0	498	0	554	0	549	0	320	0	320	0	49	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	502	0	493	0	547	0	541	0	320	0	320	0	45	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	58	0	58	0	89	0	88	0	0	0	0	0	107	0	122	93	111	0	126	93	87	0	91	84	87	0	91	84	0	0	0	0	0	0
200	65	0	67	0	82	0	85	0	0	0	0	0	136	0	148	127	139	0	148	127	125	0	127	122	127	0	129	125	0	0	0	0	0	0
300	58	0	61	0	76	0	78	0	0	0	0	0	149	0	189	136	151	0	192	125	141	0	149	133	143	0	151	136	0	0	0	0	0	0
400	58	0	57	0	101	0	105	0	0	0	0	0	155	0	216	130	153	0	193	127	153	0	154	150	155	0	157	153	0	0	0	0	0	0
500	57	0	58	0	100	0	77	0	0	0	0	0	183	0	269	154	174	0	196	147	174	0	179	170	174	0	179	171	0	0	0	0	0	0
600	55	0	54	0	103	0	105	0	0	0	0	0	127	0	134	119	127	0	131	124	165	0	171	155	166	0	172	156	0	0	0	0	0	0
700	71	0	68	0	108	0	111	0	0	0	0	0	125	0	139	119	127	0	148	104	147	0	151	144	149	0	154	146	0	0	0	0	0	0
800	47	0	48	0	122	0	131	0	0	0	0	0	123	0	147	36	124	0	170	82	154	0	159	149	156	0	163	151	0	0	0	0	0	0
900	53	0	53	0	85	0	88	0	0	0	0	0	120	0	155	90	118	0	172	79	138	0	170	112	140	0	174	113	0	0	0	0	0	0
1000	82	0	87	0	110	0	115	0	0	0	0	0	126	0	219	97	125	0	151	82	135	0	170	114	137	0	168	116	0	0	0	0	0	0
1100	65	0	71	0	100	0	104	0	0	0	0	0	154	0	252	100	147	0	218	101	156	0	195	123	157	0	197	123	0	0	0	0	0	0
1200	59	0	59	0	102	0	101	0	0	0	0	0	133	0	192	96	127	0	173	80	148	0	178	114	150	0	174	116	0	0	0	0	0	0
1300	53	0	52	0	85	0	85	0	0	0	0	0	154	0	231	105	157	0	240	104	162	0	202	145	164	0	198	146	0	0	0	0	0	0
1400	35	0	34	0	53	0	54	0	0	0	0	0	130	0	177	20	140	0	237	102	150	0	191	113	149	0	196	106	0	0	0	0	0	0
1500	43	0	45	0	63	0	65	0	0	0	0	0	130	0	179	73	134	0	171	83	140	0	157	117	142	0	160	125	0	0	0	0	0	0
1600	33	0	36	0	47	0	51	0	0	0	0	0	139	0	192	100	133	0	175	38	125	0	164	67	124	0	165	26	0	0	0	0	0	0
1700	22	0	24	0	38	0	41	0	0	0	0	0	142	0	244	93	144	3	238	102	141	0	174	111	143	0	176	114	0	0	0	0	0	0
1800	47	0	49	0	69	0	70	0	0	0	0	0	82	0	108	67	80	0	106	57	99	0	109	87	100	0	109	89	0	0	0	0	0	0
1900	66	0	66	0	106	0	108	0	0	0	0	0	106	0	115	92	106	0	125	82	115	0	120	106	116	0	121	106	0	0	0	0	0	0
2000	73	0	69	0	129	0	136	0	0	0	0	0	118	0	125	111	123	0	128	103	127	0	131	124	129	0	132	126	0	0	0	0	0	0
2100	77	0	74	0	129	0	134	0	0	0	0	0	113	0	118	102	115	0	128	102	124	0	128	114	126	0	131	122	0	0	0	0	0	0
2200	89	0	82	0	140	0	147	0	0	0	0	0	120	0	124	115	125	0	147	105	128	0	131	124	130	0	133	126	0	0	0	0	0	0
2300	87	0	84	0	144	0	151	0	0	0	0	0	123	0	129	118	127	0	148	106	131	0	140	127	133	0	139	129	0	0	0	0	0	0
2400	80	0	76	0	120	0	126	0	0	0	0	0	113	0	122	99	114	0	148	82	125	0	131	119	127	0	135	120	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	509	0	493	0	543	0	538	0	320	0	320	0	43	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	502	0	495	0	523	0	520	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	498	0	491	0	534	0	527	0	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	450	0	441	0	525	0	520	0	320	0	320	0	76	0	77	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	451	0	442	0	514	0	509	0	320	0	320	0	63	0	65	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	412	0	405	0	513	0	507	0	320	0	320	0	101	0	103	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	405	0	396	0	496	0	493	0	320	0	320	0	94	0	95	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	446	0	442	0	507	0	500	0	320	0	320	0	59	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	509	0	504	0	496	0	493	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	549	0	543	0	531	0	525	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	599	0	594	0	570	0	567	0	320	0	320	0	-29	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	621	0	615	0	594	0	590	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	640	0	637	0	610	0	606	0	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	622	0	619	0	610	0	604	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	631	0	626	0	621	0	617	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	653	0	649	0	637	0	631	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	624	0	617	0	621	0	615	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	576	0	568	0	610	0	604	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	572	0	565	0	595	0	590	0	320	0	320	0	23	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	539	0	552	0	592	0	586	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	532	0	525	0	574	0	568	0	320	0	320	0	41	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	532	0	525	0	567	0	561	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	534	0	527	0	563	0	558	0	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	522	0	514	0	545	0	540	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	82	0	78	0	141	0	147	0	0	0	0	0	117	0	124	109	121	0	128	102	129	0	134	124	131	0	136	126	0	0	0	0	0	0
200	83	0	88	0	159	0	161	0	0	0	0	0	128	0	151	119	130	0	149	124	138	0	142	131	140	0	145	132	0	0	0	0	0	0
300	88	0	81	0	131	0	138	0	0	0	0	0	121	0	130	109	125	0	147	83	131	0	136	126	133	0	137	127	0	0	0	0	0	0
400	94	0	98	0	155	0	160	0	0	0	0	0	127	0	141	117	130	0	147	104	132	0	142	123	134	0	141	126	0	0	0	0	0	0
500	91	0	100	0	174	0	176	0	0	0	0	0	127	0	141	111	131	0	150	105	136	0	143	131	138	0	145	130	0	0	0	0	0	0
600	78	0	81	0	174	0	179	0	0	0	0	0	140	0	169	280	138	0	193	101	152	0	162	138	153	0	160	142	0	0	0	0	0	0
700	97	0	99	0	170	0	175	0	0	0	0	0	125	0	142	112	127	0	152	102	137	0	147	125	139	0	148	124	0	0	0	0	0	0
800	95	0	101	0	158	0	160	0	0	0	0	0	126	0	143	117	127	0	149	101	136	0	143	128	138	0	144	129	0	0	0	0	0	0
900	110	0	101	0	140	0	143	0	0	0	0	0	120	0	138	102	121	0	147	83	119	0	131	102	121	0	132	105	0	0	0	0	0	0
1000	118	0	113	0	157	0	157	0	0	0	0	0	114	0	131	91	116	0	151	80	109	0	123	89	110	0	124	80	0	0	0	0	0	0
1100	113	0	114	0	152	0	158	0	0	0	0	0	121	0	150	86	125	0	155	82	130	0	157	117	131	0	168	111	0	0	0	0	0	0
1200	114	0	120	0	170	0	171	0	0	0	0	0	129	0	171	90	127	0	171	61	134	0	160	105	135	0	155	109	0	0	0	0	0	0
1300	86	0	86	0	132	0	135	0	0	0	0	0	129	0	171	99	131	0	173	61	138	0	165	115	139	0	163	115	0	0	0	0	0	0
1400	86	0	87	0	129	0	132	0	0	0	0	0	125	0	174	91	126	0	178	61	131	0	155	101	131	0	163	92	0	0	0	0	0	0
1500	76	0	77	0	122	0	124	0	0	0	0	0	128	0	169	108	131	0	155	61	139	0	163	115	139	0	160	112	0	0	0	0	0	0
1600	90	0	92	0	146	0	149	0	0	0	0	0	127	0	158	100	129	0	158	82	136	0	160	114	137	0	162	108	0	0	0	0	0	0
1700	106	0	107	0	139	0	144	0	0	0	0	0	120	0	146	99	122	0	148	82	122	0	140	107	124	0	143	107	0	0	0	0	0	0
1800	104	0	102	0	141	0	152	0	0	0	0	0	124	0	158	112	126	0	151	83	128	0	144	113	130	0	141	113	0	0	0	0	0	0
1900	112	0	108	0	133	0	150	0	0	0	0	0	122	0	141	108	124	0	148	84	126	0	143	111	128	0	140	111	0	0	0	0	0	0
2000	110	0	108	0	146	0	156	0	0	0	0	0	121	0	146	103	124	0	148	96	127	0	139	116	128	0	140	116	0	0	0	0	0	0
2100	128	0	126	0	165	0	176	0	0	0	0	0	122	0	152	109	125	0	162	102	123	0	143	105	126	0	141	114	0	0	0	0	0	0
2200	158	0	159	0	194	0	206	0	0	0	0	0	122	0	134	105	123	0	149	82	122	0	140	107	124	0	138	107	0	0	0	0	0	0
2300	142	0	149	0	200	0	209	0	0	0	0	0	124	0	144	82	127	0	171	82	131	0	147	110	134	0	154	116	0	0	0	0	0	0
2400	150	0	148	0	198	0	211	0	0	0	0	0	124	0	139	102	128	0	150	83	128	0	154	111	131	0	146	117	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	502	0	496	0	543	0	538	0	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	514	0	507	0	541	0	536	0	320	0	320	0	29	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	518	0	511	0	532	0	527	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	518	0	511	0	527	0	522	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	513	0	505	0	527	0	522	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	513	0	505	0	525	0	522	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	511	0	505	0	529	0	523	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	518	0	513	0	525	0	522	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	556	0	550	0	550	0	547	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	597	0	594	0	585	0	581	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	660	0	657	0	640	0	635	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	671	0	666	0	658	0	655	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	693	0	689	0	673	0	669	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	693	0	687	0	682	0	676	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	687	0	682	0	680	0	673	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	678	0	673	0	671	0	666	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	667	0	662	0	660	0	655	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	653	0	648	0	649	0	642	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	640	0	635	0	637	0	630	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	620	0	621	0	626	0	619	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	619	0	612	0	613	0	608	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	604	0	599	0	599	0	594	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	592	0	586	0	585	0	579	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	583	0	576	0	574	0	570	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	126	0	131	0	169	0	176	0	0	0	0	0	122	0	141	98	128	0	192	102	130	0	147	116	133	0	146	115	0	0	0	0	0	0
200	168	0	168	0	210	0	222	0	0	0	0	0	123	0	133	100	125	0	149	82	125	0	136	106	128	0	141	111	0	0	0	0	0	0
300	161	0	164	0	206	0	214	0	0	0	0	0	124	0	141	98	125	0	150	80	128	0	149	110	130	0	145	113	0	0	0	0	0	0
400	107	0	114	0	161	0	164	0	0	0	0	0	126	0	191	109	130	0	170	103	136	0	145	120	137	0	148	121	0	0	0	0	0	0
500	92	0	93	0	147	0	148	0	0	0	0	0	129	0	146	112	131	0	169	102	137	0	147	125	139	0	148	129	0	0	0	0	0	0
600	120	0	112	0	160	0	164	0	0	0	0	0	118	0	135	103	120	0	151	82	120	0	151	99	121	0	133	107	0	0	0	0	0	0
700	131	0	128	0	170	0	174	0	0	0	0	0	117	0	147	92	119	0	151	83	118	0	136	100	119	0	132	89	0	0	0	0	0	0
800	141	0	143	0	189	0	198	0	0	0	0	0	123	0	142	107	124	0	148	103	129	0	141	107	130	0	145	113	0	0	0	0	0	0
900	134	0	140	0	196	0	202	0	0	0	0	0	126	0	189	103	127	0	154	83	132	0	155	111	134	0	152	116	0	0	0	0	0	0
1000	147	0	150	0	176	0	187	0	0	0	0	0	123	0	147	103	122	0	150	83	129	0	151	100	131	0	152	113	0	0	0	0	0	0
1100	128	0	139	0	178	0	185	0	0	0	0	0	125	0	164	26	131	0	192	91	132	0	151	113	134	0	153	114	0	0	0	0	0	0
1200	126	0	128	0	166	0	175	0	0	0	0	0	123	0	148	104	127	0	169	102	125	0	143	102	127	0	145	101	0	0	0	0	0	0
1300	123	0	127	0	195	0	202	0	0	0	0	0	129	0	159	91	135	0	197	103	136	0	160	115	138	0	160	108	0	0	0	0	0	0
1400	132	0	134	0	203	0	206	0	0	0	0	0	132	0	160	92	134	0	173	94	134	0	162	112	137	0	159	112	0	0	0	0	0	0
1500	123	0	130	0	183	0	188	0	0	0	0	0	125	0	153	101	127	0	169	85	132	0	149	114	134	0	154	115	0	0	0	0	0	0
1600	126	0	127	0	163	0	173	0	0	0	0	0	125	0	150	105	126	0	150	82	129	0	164	111	133	0	160	106	0	0	0	0	0	0
1700	101	0	106	0	162	0	166	0	0	0	0	0	126	0	250	104	127	0	172	78	133	0	156	111	135	0	152	116	0	0	0	0	0	0
1800	105	0	109	0	160	0	167	0	0	0	0	0	125	0	158	102	126	0	170	59	134	0	158	114	136	0	158	113	0	0	0	0	0	0
1900	89	0	92	0	134	0	140	0	0	0	0	0	128	0	167	107	130	0	170	102	134	0	154	118	137	0	157	121	0	0	0	0	0	0
2000	73	0	82	0	137	0	141	0	0	0	0	0	133	0	155	347	135	0	173	102	142	0	156	127	145	0	159	132	0	0	0	0	0	0
2100	63	0	66	0	133	0	137	0	0	0	0	0	132	0	170	53	138	0	173	86	149	0	168	129	152	0	166	135	0	0	0	0	0	0
2200	103	0	109	0	184	0	190	0	0	0	0	0	128	0	173	4	132	0	170	82	140	0	166	120	142	0	159	125	0	0	0	0	0	0
2300	106	0	114	0	185	0	190	0	0	0	0	0	136	0	205	101	136	0	172	82	145	0	168	114	147	0	166	116	0	0	0	0	0	0
2400	96	0	98	0	182	0	184	0	0	0	0	0	145	0	252	98	146	0	193	102	155	0	181	137	156	0	178	137	0	0	0	0	0	0

	AMB. TEM1 -30 A	S	AMB. TEM2 -30 B	S	AMB. TEM3 -180A	S	AMB. TEM4 -180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 -180A	S	D.T. 2 -180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	572	0	567	0	565	0	559	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	561	0	554	0	552	0	547	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	565	0	559	0	558	0	552	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	559	0	554	0	554	0	549	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	556	0	549	0	549	0	543	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	549	0	543	0	543	0	538	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	552	0	547	0	547	0	540	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	554	0	547	0	547	0	541	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	570	0	565	0	561	0	558	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	599	0	594	0	588	0	583	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	648	0	642	0	631	0	626	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	666	0	660	0	655	0	649	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	698	0	693	0	685	0	680	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	703	0	698	0	691	0	685	0	320	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	693	0	687	0	684	0	678	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	691	0	685	0	684	0	678	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	685	0	680	0	680	0	673	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	671	0	666	0	666	0	660	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	658	0	651	0	653	0	648	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	621	0	613	0	622	0	615	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	581	0	574	0	585	0	579	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	9	0
2200	585	0	577	0	577	0	572	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	15	0
2300	581	0	574	0	574	0	568	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	21	0
2400	586	0	579	0	579	0	576	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

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	WIND SPD1- 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
														50 B	S			150A	S			150B	S			S		S
100	75	0	76	0	153	0	151	0	0	0	0	0	157	0	266	97	150	0	215	103	166	0	188	145	167	0	190	141	0	0	0	0	0	0
200	64	0	65	0	130	0	124	0	0	0	0	0	161	0	256	93	162	0	260	102	171	0	195	146	172	0	196	145	0	0	0	0	0	0
300	57	0	56	0	125	0	126	0	0	0	0	0	152	0	251	100	146	0	215	102	164	0	199	136	165	0	197	132	0	0	0	0	0	0
400	70	0	72	0	141	0	141	0	0	0	0	0	151	0	244	106	150	0	196	98	163	0	183	135	165	0	180	144	0	0	0	0	0	0
500	83	0	84	0	167	0	151	0	0	0	0	0	173	0	266	96	162	0	237	95	173	0	204	144	176	0	203	151	0	0	0	0	0	0
600	70	0	68	0	154	0	144	0	0	0	0	0	164	0	264	91	162	0	262	102	170	0	193	147	172	0	199	152	0	0	0	0	0	0
700	82	0	80	0	166	0	169	0	0	0	0	0	141	0	258	92	142	0	195	102	155	0	172	134	156	0	173	138	0	0	0	0	0	0
800	91	0	91	0	182	0	184	0	0	0	0	0	141	0	266	92	139	0	175	61	156	0	174	137	158	0	175	144	0	0	0	0	0	0
900	92	0	93	0	170	0	176	0	0	0	0	0	145	0	224	104	146	0	219	102	158	0	184	140	159	0	186	141	0	0	0	0	0	0
1000	86	0	89	0	164	0	166	0	0	0	0	0	155	0	240	92	154	0	219	102	161	0	187	142	163	0	183	142	0	0	0	0	0	0
1100	60	0	61	0	118	0	111	0	0	0	0	0	174	0	266	96	168	0	240	102	174	0	213	106	173	0	202	111	0	0	0	0	0	0
1200	50	0	50	0	97	0	94	0	0	0	0	0	177	0	259	94	176	0	263	102	179	0	230	146	179	0	230	146	0	0	0	0	0	0
1300	58	0	56	0	122	0	107	0	0	0	0	0	179	0	260	93	171	0	240	102	184	0	219	130	185	0	212	146	0	0	0	0	0	0
1400	57	0	58	0	109	0	109	0	0	0	0	0	151	0	253	104	150	0	216	101	162	0	184	140	163	0	191	135	0	0	0	0	0	0
1500	73	0	77	0	140	0	143	0	0	0	0	0	141	0	255	93	143	0	220	102	150	0	171	131	152	0	175	129	0	0	0	0	0	0
1600	65	0	68	0	127	0	133	0	0	0	0	0	132	0	172	59	132	0	173	79	151	0	168	131	155	0	172	127	0	0	0	0	0	0
1700	64	0	66	0	126	0	131	0	0	0	0	0	148	0	260	91	139	0	176	57	159	0	175	142	159	0	180	136	0	0	0	0	0	0
1800	57	0	51	0	113	0	105	0	0	0	0	0	158	0	266	97	162	0	260	105	174	0	196	146	174	0	197	149	0	0	0	0	0	0
1900	50	0	41	0	86	0	77	0	0	0	0	0	194	0	261	113	187	0	263	127	189	0	238	146	188	0	238	158	0	0	0	0	0	0
2000	53	0	48	0	112	0	101	0	0	0	0	0	200	0	264	91	194	0	262	102	189	0	229	156	187	0	212	157	0	0	0	0	0	0
2100	54	0	42	0	120	0	102	0	0	0	0	0	199	0	248	103	194	0	260	104	194	0	223	167	194	0	214	166	0	0	0	0	0	0
2200	48	0	37	0	100	0	87	0	0	0	0	0	204	0	269	90	193	0	262	102	195	0	218	156	195	0	222	157	0	0	0	0	0	0
2300	53	0	41	0	100	0	88	0	0	0	0	0	197	0	264	98	191	0	240	102	187	0	219	154	185	0	222	148	0	0	0	0	0	0
2400	47	0	42	0	114	0	98	0	0	0	0	0	182	0	248	106	175	0	260	102	181	0	203	149	182	0	217	154	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	590	0	583	0	585	0	579	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
200	595	0	590	0	592	0	586	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
300	597	0	592	0	594	0	588	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
400	599	0	592	0	595	0	590	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
500	603	0	597	0	601	0	595	0	320	0	320	0	2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
600	603	0	597	0	603	0	597	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
700	599	0	592	0	599	0	594	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
800	604	0	599	0	603	0	597	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
900	617	0	610	0	610	0	604	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1000	630	0	624	0	622	0	617	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1100	655	0	649	0	642	0	637	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1200	653	0	646	0	642	0	637	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1300	635	0	630	0	626	0	621	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	24	0
1400	617	0	612	0	608	0	604	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	25	0
1500	613	0	606	0	606	0	601	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	36	0
1600	610	0	603	0	603	0	597	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
1700	610	0	603	0	603	0	597	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	65	0
1800	612	0	604	0	606	0	601	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	74	0
1900	615	0	610	0	610	0	604	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	76	0
2000	610	0	604	0	604	0	599	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	77	0
2100	604	0	599	0	599	0	594	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2200	604	0	597	0	597	0	594	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2300	603	0	597	0	597	0	592	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2400	603	0	597	0	597	0	592	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	48	0	42	0	95	0	84	0	0	0	0	0	184	0	263	122	177	0	239	102	181	0	210	150	183	0	208	163	0	0	0	0	0	0
200	52	0	47	0	97	0	87	0	0	0	0	0	182	0	235	101	176	0	261	104	182	0	224	147	181	0	225	142	0	0	0	0	0	0
300	54	0	48	0	115	0	101	0	0	0	0	0	178	0	265	95	167	0	240	102	180	0	198	153	180	0	203	158	0	0	0	0	0	0
400	52	0	44	0	105	0	91	0	0	0	0	0	179	0	256	105	168	0	237	101	177	0	212	139	178	0	197	144	0	0	0	0	0	0
500	32	0	26	0	82	0	71	0	0	0	0	0	203	0	269	94	192	3	262	104	197	0	227	176	197	0	217	180	0	0	0	0	0	0
600	39	0	35	0	81	0	75	0	0	0	0	0	165	0	251	107	161	0	239	102	173	0	197	145	173	0	194	152	0	0	0	0	0	0
700	36	0	34	0	79	0	72	0	0	0	0	0	165	0	260	94	160	0	236	101	175	0	196	109	174	0	201	119	0	0	0	0	0	0
800	37	0	31	0	72	0	61	0	0	0	0	0	190	0	265	94	183	0	265	103	188	0	215	161	187	0	220	167	0	0	0	0	0	0
900	39	0	35	0	63	0	60	0	0	0	0	0	159	0	254	109	154	0	237	100	169	0	212	127	169	0	206	123	0	0	0	0	0	0
1000	36	0	32	0	56	0	53	0	0	0	0	0	174	0	254	98	175	0	261	102	176	0	261	122	177	0	240	123	0	0	0	0	0	0
1100	34	0	26	0	56	0	50	0	0	0	0	0	186	0	249	102	184	3	261	102	185	0	255	146	185	0	267	90	0	0	0	0	0	0
1200	28	0	26	0	27	0	30	0	0	0	0	0	245	0	295	181	225	3	269	101	238	0	287	181	233	0	284	185	0	0	0	0	0	0
1300	39	0	36	0	36	0	38	0	0	0	0	0	316	0	345	262	309	0	350	281	307	0	325	286	301	0	326	280	0	0	0	0	0	0
1400	25	0	24	0	33	0	34	0	0	0	0	0	29	3	64	316	28	3	60	327	8	0	47	340	4	0	49	334	0	0	0	0	0	0
1500	28	0	29	0	33	0	38	0	0	0	0	0	62	3	113	31	58	3	106	33	52	0	123	11	49	0	126	10	0	0	0	0	0	0
1600	41	0	38	0	58	0	60	0	0	0	0	0	6	0	99	295	0	0	102	285	13	0	95	277	10	0	100	311	0	0	0	0	0	0
1700	63	0	61	0	75	0	74	0	0	0	0	0	33	0	64	14	26	0	58	4	28	0	46	8	24	0	42	3	0	0	0	0	0	0
1800	55	0	56	0	79	0	84	0	0	0	0	0	47	0	79	22	42	0	81	12	44	0	65	29	42	0	63	27	0	0	0	0	0	0
1900	45	0	42	0	78	0	86	0	0	0	0	0	89	0	104	69	89	0	106	61	74	0	82	67	74	0	82	66	0	0	0	0	0	0
2000	47	0	46	0	84	0	88	0	0	0	0	0	75	0	93	60	74	0	94	57	76	0	88	72	76	0	88	72	0	0	0	0	0	0
2100	54	0	50	0	95	0	94	0	0	0	0	0	88	0	104	70	87	0	106	57	83	0	89	75	83	0	89	76	0	0	0	0	0	0
2200	59	0	54	0	115	0	117	0	0	0	0	0	109	0	119	92	108	0	129	82	104	0	105	99	105	0	108	100	0	0	0	0	0	0
2300	53	0	48	0	84	0	85	0	0	0	0	0	94	0	112	64	93	0	124	60	100	0	106	94	102	0	110	96	0	0	0	0	0	0
2400	55	0	51	0	92	0	91	0	0	0	0	0	81	0	91	73	80	0	98	60	86	0	90	80	86	0	92	79	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	603	0	595	0	595	0	590	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
200	603	0	595	0	595	0	592	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
300	603	0	597	0	595	0	592	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
400	603	0	597	0	595	0	592	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
500	603	0	597	0	597	0	594	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
600	604	0	597	0	597	0	594	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
700	603	0	597	0	597	0	594	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
800	610	0	604	0	601	0	595	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
900	621	0	615	0	608	0	603	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1000	646	0	644	0	622	0	617	0	320	0	320	0	-22	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1100	675	0	671	0	649	0	642	0	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1200	675	0	669	0	662	0	657	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1300	664	0	660	0	648	0	642	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1400	649	0	646	0	639	0	631	0	320	0	320	0	-9	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1500	666	0	660	0	648	0	640	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1600	696	0	693	0	660	0	655	0	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1700	649	0	644	0	637	0	631	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1800	626	0	622	0	631	0	626	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1700	624	0	617	0	640	0	633	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2000	612	0	606	0	644	0	637	0	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2100	613	0	606	0	640	0	633	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2200	617	0	610	0	637	0	631	0	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2300	612	0	604	0	626	0	621	0	320	0	320	0	16	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2400	595	0	588	0	615	0	610	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	60	0	52	0	95	0	99	0	0	0	0	0	116	0	126	103	119	0	147	95	123	0	127	118	127	0	130	121	0	0	0	0	0	0
200	68	0	64	0	87	0	88	0	0	0	0	0	99	0	114	89	99	0	123	82	101	0	106	92	103	0	107	94	0	0	0	0	0	0
300	69	0	62	0	104	0	107	0	0	0	0	0	118	0	127	105	122	0	148	102	121	0	126	117	124	0	130	120	0	0	0	0	0	0
400	57	0	52	0	82	0	83	0	0	0	0	0	108	0	122	91	108	0	129	82	103	0	109	95	105	0	110	96	0	0	0	0	0	0
500	41	0	38	0	52	0	55	0	0	0	0	0	131	0	228	109	132	0	172	105	138	0	159	118	141	0	167	121	0	0	0	0	0	0
600	46	0	41	0	75	0	78	0	0	0	0	0	129	0	153	271	125	0	150	56	143	0	155	129	147	0	158	134	0	0	0	0	0	0
700	67	0	68	0	85	0	88	0	0	0	0	0	128	0	155	111	130	0	169	101	136	0	154	112	139	0	151	119	0	0	0	0	0	0
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
900	66	0	64	0	76	0	78	0	0	0	0	0	123	0	143	94	124	0	149	92	135	0	154	120	138	0	157	122	0	0	0	0	0	0
1000	49	0	45	0	48	0	51	0	0	0	0	0	122	0	183	94	123	0	169	101	121	0	139	98	124	0	142	99	0	0	0	0	0	0
1100	36	0	33	0	42	0	43	0	0	0	0	0	110	0	155	71	110	0	147	57	110	0	150	68	112	0	140	83	0	0	0	0	0	0
1200	39	0	37	0	57	0	59	0	0	0	0	0	95	0	122	42	93	0	147	36	100	0	150	59	101	0	139	60	0	0	0	0	0	0
1300	44	0	40	0	58	0	63	0	0	0	0	0	97	0	129	55	98	0	146	33	99	0	141	71	99	0	133	80	0	0	0	0	0	0
1400	44	0	44	0	58	0	61	0	0	0	0	0	118	0	145	64	119	0	169	59	119	0	153	92	120	0	150	93	0	0	0	0	0	0
1500	70	0	64	0	82	0	84	0	0	0	0	0	117	0	141	81	119	0	152	59	116	0	135	72	118	0	150	95	0	0	0	0	0	0
1600	68	0	68	0	92	0	97	0	0	0	0	0	124	0	170	97	124	0	170	79	125	0	153	97	128	0	152	96	0	0	0	0	0	0
1700	38	0	37	0	53	0	56	0	0	0	0	0	88	0	132	46	87	0	147	14	92	0	155	61	95	0	149	46	0	0	0	0	0	0
1800	57	0	54	0	80	0	80	0	0	0	0	0	97	0	116	79	97	0	126	78	95	0	113	71	96	0	107	78	0	0	0	0	0	0
1900	52	0	50	0	75	0	76	0	0	0	0	0	96	0	111	85	96	0	125	81	94	0	101	88	95	0	106	88	0	0	0	0	0	0
2000	30	0	27	0	46	0	49	0	0	0	0	0	102	0	123	78	101	0	128	78	127	0	161	105	129	0	157	102	0	0	0	0	0	0
2100	43	0	41	0	68	0	69	0	0	0	0	0	97	0	115	76	94	0	124	78	107	0	125	99	109	0	119	99	0	0	0	0	0	0
2200	50	0	49	0	91	0	91	0	0	0	0	0	95	0	112	78	95	0	125	60	88	0	97	84	89	0	97	84	0	0	0	0	0	0
2300	62	0	59	0	113	0	113	0	0	0	0	0	99	0	113	77	99	0	125	78	92	0	99	88	93	0	101	88	0	0	0	0	0	0
2400	66	0	63	0	123	0	124	0	0	0	0	0	105	0	119	87	104	0	128	79	97	0	103	92	98	0	101	94	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	597	0	592	0	619	0	613	0	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
200	588	0	581	0	608	0	603	0	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
300	574	0	568	0	597	0	592	0	320	0	320	0	25	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
400	576	0	570	0	579	0	574	0	320	0	320	0	3	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
500	574	0	568	0	568	0	563	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
600	576	0	572	0	574	0	570	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
700	583	0	576	0	576	0	572	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	579	0	574	0	574	0	568	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	590	0	583	0	583	0	577	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1200	615	0	612	0	606	0	601	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	6
1300	622	0	619	0	612	0	606	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1400	622	0	619	0	613	0	610	0	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1500	622	0	619	0	619	0	610	0	320	0	320	0	-4	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1600	635	0	630	0	622	0	615	0	320	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1700	675	0	671	0	651	0	646	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1800	649	0	642	0	648	0	640	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1900	646	0	637	0	644	0	639	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2000	633	0	628	0	640	0	635	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2100	619	0	610	0	628	0	621	0	320	0	320	0	11	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2200	608	0	601	0	637	0	630	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2300	601	0	595	0	630	0	626	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	76	0
2400	595	0	588	0	606	0	601	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	74	0	64	0	110	0	113	0	0	0	0	0	115	0	125	105	116	0	128	81	115	0	124	105	118	0	126	111	0	0	0	0	0	0
200	76	0	67	0	125	0	131	0	0	0	0	0	117	0	128	101	118	0	147	81	120	0	127	113	122	0	131	115	0	0	0	0	0	0
300	87	0	77	0	125	0	129	0	0	0	0	0	118	0	133	107	119	0	147	81	122	0	127	112	124	0	132	117	0	0	0	0	0	0
400	77	0	69	0	96	0	100	0	0	0	0	0	114	0	131	95	116	0	150	82	116	0	127	107	118	0	131	105	0	0	0	0	0	0
500	80	0	71	0	98	0	102	0	0	0	0	0	121	0	135	108	122	0	147	101	118	0	142	106	121	0	132	107	0	0	0	0	0	0
600	69	0	61	0	90	0	94	0	0	0	0	0	112	0	127	96	111	0	147	82	114	0	130	101	116	0	129	103	0	0	0	0	0	0
700	87	0	79	0	103	0	108	0	0	0	0	0	119	0	131	103	119	0	147	81	118	0	129	103	120	0	133	105	0	0	0	0	0	0
800	97	0	86	0	108	0	111	0	0	0	0	0	118	0	133	93	121	0	147	81	118	0	133	104	119	0	132	106	0	0	0	0	0	0
900	103	0	98	0	122	0	124	0	0	0	0	0	116	0	131	90	120	0	150	80	116	0	131	99	119	0	135	99	0	0	0	0	0	0
1000	105	0	99	0	121	0	128	0	0	0	0	0	120	0	138	101	121	0	149	101	121	0	139	107	124	0	139	103	0	0	0	0	0	0
1100	93	0	86	0	117	0	118	0	0	0	0	0	117	0	136	96	118	0	150	78	119	0	150	88	121	0	151	84	0	0	0	0	0	0
1200	117	0	114	0	143	0	148	0	0	0	0	0	119	0	138	96	121	0	147	82	118	0	129	77	120	0	132	84	0	0	0	0	0	0
1300	93	0	92	0	117	0	119	0	0	0	0	0	123	0	219	97	123	0	165	81	128	0	153	101	130	0	150	108	0	0	0	0	0	0
1400	88	0	87	0	117	0	122	0	0	0	0	0	124	0	163	87	126	0	171	81	127	0	164	76	129	0	156	98	0	0	0	0	0	0
1500	86	0	81	0	105	0	108	0	0	0	0	0	121	0	157	95	121	0	150	81	124	0	160	98	127	0	157	106	0	0	0	0	0	0
1600	56	0	53	0	78	0	80	0	0	0	0	0	119	0	158	78	118	0	150	59	118	0	147	78	120	0	143	88	0	0	0	0	0	0
1700	34	0	33	0	55	0	58	0	0	0	0	0	144	0	200	97	143	0	215	92	151	0	177	125	153	0	180	126	0	0	0	0	0	0
1800	27	0	27	0	43	0	46	0	0	0	0	0	139	0	192	100	140	3	215	102	138	0	157	116	140	0	164	120	0	0	0	0	0	0
1900	20	0	19	0	21	0	24	0	0	0	0	0	118	5	131	84	119	5	147	81	116	0	134	98	119	0	132	101	0	0	0	0	0	0
2000	41	0	39	0	43	0	44	0	0	0	0	0	55	0	101	17	54	0	102	12	53	0	111	20	51	0	112	18	0	0	0	0	0	0
2100	57	0	65	0	103	0	113	0	0	0	0	0	63	0	76	47	62	0	84	55	51	0	57	46	51	0	57	44	0	0	0	0	0	0
2200	83	0	81	0	130	0	141	0	0	0	0	0	84	0	101	69	85	0	126	58	73	0	85	63	73	0	83	64	0	0	0	0	0	0
2300	93	0	91	0	155	0	153	0	0	0	0	0	95	0	110	80	97	0	127	79	86	0	91	79	86	0	92	79	0	0	0	0	0	0
2400	74	0	69	0	121	0	123	0	0	0	0	0	109	0	127	93	110	0	148	79	101	0	108	94	103	0	112	95	0	0	0	0	0	0

	AMB. TEM1 -30	A	S	AMB. TEM2 30	B	S	AMB. TEM3 -180A	S	AMB. TEM4 -180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 -180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	592	0		585	0		599	0	594	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
200	593	0		577	0		595	0	590	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
300	574	0		568	0		579	0	574	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
400	576	0		570	0		572	0	568	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
500	577	0		572	0		574	0	570	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
600	581	0		576	0		579	0	576	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
700	586	0		581	0		581	0	576	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
800	586	0		581	0		579	0	576	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
900	586	0		581	0		579	0	576	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1000	595	0		588	0		590	0	583	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1100	603	0		597	0		597	0	590	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1200	613	0		608	0		608	0	603	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1300	635	0		637	0		626	0	617	0	320	0	320	0	-9	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1400	646	0		640	0		628	0	622	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1500	655	0		649	0		642	0	637	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1600	651	0		646	0		637	0	631	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1700	655	0		649	0		644	0	637	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1800	658	0		653	0		648	0	642	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1900	626	0		619	0		628	0	621	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2000	615	0		608	0		621	0	613	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2100	592	0		585	0		610	0	604	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2200	599	0		592	0		612	0	606	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2300	594	0		586	0		606	0	601	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2400	585	0		577	0		590	0	585	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0

STATUS C[illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
													50	B	S			150A	S			150B	S			S			S	
100	75	0	67	0	127	0	129	0	0	0	0	0	109	0	121	89	111	0	148	82	112	0	118	108	114	0	122	109	0	0	0	0	0	0
200	69	0	60	0	111	0	115	0	0	0	0	0	112	0	129	93	115	0	147	82	116	0	122	108	119	0	128	114	0	0	0	0	0	0
300	105	0	96	0	133	0	140	0	0	0	0	0	118	0	134	98	120	0	148	84	120	0	137	103	123	0	144	108	0	0	0	0	0	0
400	96	0	91	0	121	0	127	0	0	0	0	0	122	0	140	83	124	0	157	101	126	0	152	105	129	0	150	111	0	0	0	0	0	0
500	125	0	119	0	150	0	158	0	0	0	0	0	121	0	148	107	121	0	147	101	121	0	139	108	124	0	142	110	0	0	0	0	0	0
600	107	0	101	0	129	0	136	0	0	0	0	0	120	0	140	93	119	0	150	79	118	0	134	99	121	0	140	100	0	0	0	0	0	0
700	93	0	95	0	134	0	141	0	0	0	0	0	123	0	146	102	124	0	171	82	129	0	141	113	132	0	144	117	0	0	0	0	0	0
800	116	0	113	0	142	0	153	0	0	0	0	0	122	0	138	109	124	0	147	79	125	0	146	112	128	0	151	118	0	0	0	0	0	0
900	88	0	85	0	108	0	116	0	0	0	0	0	122	0	137	97	126	0	168	101	122	0	137	110	125	0	146	113	0	0	0	0	0	0
1000	91	0	91	0	118	0	125	0	0	0	0	0	120	0	151	94	123	0	165	79	126	0	164	105	128	0	172	105	0	0	0	0	0	0
1100	96	0	95	0	130	0	135	0	0	0	0	0	119	0	136	89	123	0	162	79	121	0	146	90	123	0	145	86	0	0	0	0	0	0
1200	73	0	67	0	89	0	90	0	0	0	0	0	111	0	162	52	109	0	149	36	106	0	147	59	109	0	148	61	0	0	0	0	0	0
1300	72	0	70	0	93	0	95	0	0	0	0	0	121	0	178	71	124	0	170	79	120	0	157	91	123	0	157	98	0	0	0	0	0	0
1400	67	0	65	0	72	0	76	0	0	0	0	0	120	0	156	67	122	0	175	58	114	0	149	53	116	0	163	36	0	0	0	0	0	0
1500	53	0	48	0	66	0	72	0	0	0	0	0	95	0	137	37	95	0	149	37	100	0	178	32	100	0	162	25	0	0	0	0	0	0
1600	64	0	59	0	79	0	80	0	0	0	0	0	97	0	129	59	97	0	146	33	100	0	138	74	101	0	143	72	0	0	0	0	0	0
1700	29	0	27	0	57	0	60	0	0	0	0	0	119	0	175	84	119	3	171	82	123	0	157	91	126	0	151	95	0	0	0	0	0	0
1800	53	0	48	0	72	0	74	0	0	0	0	0	78	0	96	69	79	0	101	58	109	0	129	100	111	0	128	100	0	0	0	0	0	0
1900	64	0	61	0	107	0	109	0	0	0	0	0	102	0	115	85	101	0	124	81	101	0	107	90	103	0	109	93	0	0	0	0	0	0
2000	64	0	59	0	113	0	117	0	0	0	0	0	106	0	117	94	105	0	125	82	114	0	116	112	116	0	120	112	0	0	0	0	0	0
2100	78	0	78	0	132	0	137	0	0	0	0	0	129	0	155	110	132	0	171	102	139	0	150	126	141	0	154	123	0	0	0	0	0	0
2200	98	0	91	0	129	0	139	0	0	0	0	0	123	0	138	113	124	0	147	81	128	0	137	116	131	0	143	118	0	0	0	0	0	0
2300	109	0	102	0	136	0	145	0	0	0	0	0	122	0	130	111	125	0	147	102	124	0	134	113	127	0	135	119	0	0	0	0	0	0
2400	111	0	108	0	143	0	155	0	0	0	0	0	122	0	132	107	125	0	147	101	125	0	134	116	128	0	137	117	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	576	0	570	0	586	0	581	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
200	574	0	567	0	593	0	577	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
300	568	0	561	0	565	0	561	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
400	570	0	565	0	563	0	558	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
500	568	0	563	0	561	0	556	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
600	567	0	561	0	559	0	554	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
700	565	0	558	0	558	0	552	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
800	555	0	552	0	549	0	541	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
900	558	0	552	0	549	0	543	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1000	568	0	570	0	563	0	552	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1100	606	0	604	0	594	0	585	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1200	646	0	642	0	624	0	619	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1300	664	0	660	0	644	0	639	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1400	693	0	689	0	660	0	655	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1500	718	0	714	0	684	0	676	0	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1600	707	0	703	0	680	0	673	0	320	0	320	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1700	689	0	685	0	675	0	664	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1800	615	0	612	0	649	0	642	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1900	626	0	619	0	644	0	637	0	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2000	603	0	595	0	619	0	612	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2100	592	0	585	0	590	0	583	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2200	576	0	570	0	568	0	563	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2300	558	0	550	0	550	0	545	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2400	545	0	540	0	541	0	536	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	108	0	107	0	154	0	160	0	0	0	0	0	125	0	147	110	123	0	149	78	132	0	144	120	135	0	147	125	0	0	0	0	0	0
200	89	0	85	0	126	0	132	0	0	0	0	0	124	0	149	104	125	0	150	81	132	0	150	117	136	0	146	123	0	0	0	0	0	0
300	87	0	89	0	134	0	139	0	0	0	0	0	124	0	145	110	127	0	152	101	135	0	143	125	138	0	148	120	0	0	0	0	0	0
400	98	0	89	0	126	0	132	0	0	0	0	0	121	0	135	106	122	0	147	82	129	0	140	122	132	0	144	118	0	0	0	0	0	0
500	107	0	99	0	122	0	131	0	0	0	0	0	120	0	134	102	123	0	150	82	126	0	137	116	129	0	145	117	0	0	0	0	0	0
600	124	0	118	0	140	0	147	0	0	0	0	0	120	0	133	101	122	0	146	95	122	0	138	100	125	0	141	105	0	0	0	0	0	0
700	118	0	115	0	138	0	147	0	0	0	0	0	121	0	134	104	124	0	169	96	126	0	141	109	128	0	146	112	0	0	0	0	0	0
800	119	0	113	0	137	0	145	0	0	0	0	0	122	0	167	99	124	0	147	82	125	0	150	108	129	0	150	112	0	0	0	0	0	0
900	117	0	114	0	143	0	152	0	0	0	0	0	123	0	159	107	125	0	169	101	129	0	144	113	132	0	147	112	0	0	0	0	0	0
1000	126	0	121	0	150	0	156	0	0	0	0	0	121	0	147	104	124	0	149	80	123	0	136	114	126	0	138	117	0	0	0	0	0	0
1100	91	0	90	0	114	0	117	0	0	0	0	0	127	0	150	108	129	0	173	99	131	0	150	122	134	0	151	122	0	0	0	0	0	0
1200	103	0	100	0	119	0	127	0	0	0	0	0	118	0	147	96	117	0	166	81	119	0	149	92	121	0	148	98	0	0	0	0	0	0
1300	69	0	67	0	101	0	102	0	0	0	0	0	130	0	218	93	128	0	171	33	143	0	203	122	144	0	194	110	0	0	0	0	0	0
1400	103	0	98	0	117	0	122	0	0	0	0	0	117	0	139	95	118	0	152	81	118	0	138	102	120	0	136	105	0	0	0	0	0	0
1500	74	0	72	0	103	0	106	0	0	0	0	0	123	0	173	82	127	0	173	57	130	0	179	108	132	0	182	109	0	0	0	0	0	0
1600	45	0	41	0	77	0	83	0	0	0	0	0	149	0	192	107	148	0	216	98	158	0	186	130	159	0	181	137	0	0	0	0	0	0
1700	78	0	74	0	107	0	111	0	0	0	0	0	126	0	169	105	127	0	150	102	134	0	150	119	136	0	151	118	0	0	0	0	0	0
1800	83	0	76	0	108	0	116	0	0	0	0	0	121	0	139	108	125	0	147	82	126	0	137	114	129	0	136	120	0	0	0	0	0	0
1900	76	0	72	0	111	0	116	0	0	0	0	0	124	0	158	102	128	0	150	101	135	0	150	125	138	0	157	127	0	0	0	0	0	0
2000	91	0	92	0	145	0	148	0	0	0	0	0	126	0	151	69	128	0	168	103	136	0	150	124	140	0	153	122	0	0	0	0	0	0
2100	66	0	63	0	115	0	119	0	0	0	0	0	125	0	158	77	128	0	169	78	140	0	162	124	143	0	163	124	0	0	0	0	0	0
2200	80	0	78	0	130	0	133	0	0	0	0	0	125	0	177	24	129	0	170	75	139	0	151	122	142	0	165	126	0	0	0	0	0	0
2300	49	0	47	0	92	0	94	0	0	0	0	0	157	0	247	109	155	0	217	101	154	0	175	136	157	0	189	133	0	0	0	0	0	0
2400	48	0	42	0	102	0	99	0	0	0	0	0	157	0	217	94	157	0	258	103	169	0	189	154	171	0	194	157	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	543	0	536	0	540	0	534	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
200	536	0	529	0	532	0	525	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
300	531	0	525	0	529	0	522	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
400	525	0	518	0	522	0	514	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
500	522	0	514	0	514	0	509	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
600	527	0	522	0	520	0	514	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
700	534	0	529	0	527	0	522	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
800	543	0	536	0	532	0	527	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
900	549	0	541	0	538	0	532	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1000	550	0	545	0	543	0	538	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1100	565	0	561	0	552	0	545	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1200	603	0	597	0	581	0	572	0	320	0	320	0	-16	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1300	640	0	637	0	608	0	601	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1400	648	0	642	0	626	0	619	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1500	666	0	660	0	642	0	635	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1600	653	0	648	0	635	0	628	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1700	649	0	642	0	633	0	626	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1800	635	0	628	0	624	0	617	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
1900	624	0	619	0	615	0	608	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2000	612	0	606	0	601	0	594	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2100	599	0	594	0	590	0	585	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2200	588	0	581	0	579	0	574	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2300	585	0	579	0	576	0	570	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	78	0
2400	577	0	572	0	570	0	567	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	83	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1 MIN	MAX	S	WIND DIR2 50 B	S	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	
100	69	0	65	0	119	0	124	0	0	0	0	0	130	155	113	133	0	168	100	146	0	159	133	149	0	158	135	0	0	0	0	0	0		
200	63	0	58	0	124	0	128	0	0	0	0	0	150	232	92	143	0	213	100	161	0	178	137	163	0	194	144	0	0	0	0	0	0		
300	70	0	68	0	133	0	136	0	0	0	0	0	130	169	68	129	0	171	81	149	0	173	128	151	0	167	137	0	0	0	0	0	0		
400	71	0	71	0	128	0	133	0	0	0	0	0	126	161	14	129	0	173	80	143	0	157	128	145	0	163	121	0	0	0	0	0	0		
500	70	0	72	0	119	0	122	0	0	0	0	0	128	159	108	133	0	170	81	143	0	157	128	145	0	156	133	0	0	0	0	0	0		
600	74	0	74	0	138	0	143	0	0	0	0	0	131	195	90	133	0	173	101	148	0	160	135	150	0	162	136	0	0	0	0	0	0		
700	69	0	72	0	112	0	114	0	0	0	0	0	125	151	104	126	0	169	82	139	0	158	122	141	0	156	123	0	0	0	0	0	0		
800	87	0	89	0	138	0	140	0	0	0	0	0	127	153	39	130	0	172	98	138	0	148	124	141	0	154	126	0	0	0	0	0	0		
900	47	0	50	0	95	0	101	0	0	0	0	0	141	265	90	139	0	173	56	151	0	167	133	153	0	168	134	0	0	0	0	0	0		
1000	60	0	62	0	111	0	114	0	0	0	0	0	135	196	103	132	0	170	101	147	0	159	128	150	0	161	135	0	0	0	0	0	0		
1100	57	0	58	0	100	0	104	0	0	0	0	0	125	176	14	127	0	173	37	140	0	159	125	143	0	164	123	0	0	0	0	0	0		
1200	53	0	53	0	84	0	88	0	0	0	0	0	131	203	98	128	0	172	58	140	0	162	124	144	0	167	127	0	0	0	0	0	0		
1300	46	0	47	0	71	0	76	0	0	0	0	0	127	171	87	127	0	171	59	137	0	159	114	139	0	168	117	0	0	0	0	0	0		
1400	45	0	47	0	77	0	79	0	0	0	0	0	126	163	62	129	0	170	80	141	0	158	118	143	0	155	128	0	0	0	0	0	0		
1500	62	0	65	0	87	0	88	0	0	0	0	0	128	178	104	128	0	192	101	135	0	153	117	138	0	152	114	0	0	0	0	0	0		
1600	68	0	67	0	94	0	99	0	0	0	0	0	124	156	101	125	0	150	82	132	0	147	111	134	0	145	117	0	0	0	0	0	0		
1700	72	0	70	0	90	0	97	0	0	0	0	0	124	140	356	123	0	149	101	129	0	143	110	131	0	149	113	0	0	0	0	0	0		
1800	70	0	67	0	89	0	98	0	0	0	0	0	123	153	98	129	0	149	102	131	0	149	117	134	0	148	115	0	0	0	0	0	0		
1900	61	0	59	0	93	0	99	0	0	0	0	0	123	155	98	127	0	150	83	135	0	150	117	138	0	156	123	0	0	0	0	0	0		
2000	74	0	73	0	95	0	102	0	0	0	0	0	122	140	99	125	0	150	81	130	0	150	113	133	0	152	109	0	0	0	0	0	0		
2100	84	0	81	0	101	0	110	0	0	0	0	0	121	138	101	124	0	148	80	126	0	137	114	129	0	141	115	0	0	0	0	0	0		
2200	97	0	94	0	124	0	132	0	0	0	0	0	124	140	111	125	0	150	83	129	0	144	117	133	0	144	121	0	0	0	0	0	0		
2300	62	0	63	0	114	0	118	0	0	0	0	0	131	173	66	138	0	213	102	146	0	162	128	149	0	166	130	0	0	0	0	0	0		
2400	78	0	80	0	116	0	119	0	0	0	0	0	125	147	109	130	0	150	101	135	0	142	125	138	0	149	129	0	0	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	574	0	568	0	572	0	567	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	88	0
200	574	0	567	0	568	0	565	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	89	0
300	572	0	567	0	568	0	563	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
400	577	0	572	0	572	0	568	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
500	577	0	572	0	572	0	567	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	101	0
600	574	0	568	0	570	0	565	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	0
700	574	0	568	0	568	0	563	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	0
800	574	0	568	0	568	0	563	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	104	0
900	579	0	572	0	572	0	568	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	105	0
1000	583	0	576	0	574	0	570	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	109	0
1100	592	0	586	0	581	0	576	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	110	0
1200	597	0	594	0	588	0	583	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	110	0
1300	604	0	599	0	594	0	588	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	110	0
1400	604	0	597	0	595	0	590	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	112	0
1500	606	0	599	0	597	0	592	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	113	0
1600	610	0	604	0	601	0	595	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1700	612	0	606	0	603	0	597	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1800	606	0	601	0	599	0	594	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1900	603	0	595	0	595	0	590	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
2000	599	0	594	0	592	0	588	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2100	597	0	592	0	592	0	586	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2200	595	0	590	0	590	0	585	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2300	595	0	590	0	590	0	585	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2400	592	0	585	0	586	0	581	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN	MAX	WIND DIR4 150A S		MIN	MAX	WIND DIR4 150B S		MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S	
100	79	0	75	0	103	0	109	0	0	0	0	0	120	0	137	108	121	0	147	101	122	0	131	100	125	0	138	99	0	0	0	0	0	0		
200	83	0	74	0	104	0	109	0	0	0	0	0	119	0	132	109	122	0	147	102	128	0	138	119	132	0	139	123	0	0	0	0	0	0		
300	64	0	61	0	81	0	87	0	0	0	0	0	112	0	127	94	114	0	147	81	120	0	132	105	123	0	133	105	0	0	0	0	0	0		
400	73	0	68	0	96	0	101	0	0	0	0	0	119	0	130	106	122	0	147	101	126	0	138	113	129	0	141	114	0	0	0	0	0	0		
500	80	0	76	0	97	0	101	0	0	0	0	0	120	0	130	103	122	0	148	91	124	0	132	112	126	0	138	115	0	0	0	0	0	0		
600	75	0	72	0	103	0	110	0	0	0	0	0	121	0	136	104	124	0	147	81	130	0	138	121	132	0	140	123	0	0	0	0	0	0		
700	82	0	74	0	101	0	110	0	0	0	0	0	121	0	137	109	122	0	147	82	126	0	136	118	129	0	140	118	0	0	0	0	0	0		
800	37	0	35	0	51	0	55	0	0	0	0	0	120	0	169	67	121	0	150	60	127	0	151	63	130	0	156	84	0	0	0	0	0	0		
900	69	0	70	0	95	0	100	0	0	0	0	0	126	0	144	61	129	0	170	83	134	0	146	119	136	0	149	124	0	0	0	0	0	0		
1000	76	0	74	0	86	0	88	0	0	0	0	0	124	0	140	99	125	0	170	81	126	0	147	105	128	0	156	110	0	0	0	0	0	0		
1100	57	0	58	0	73	0	79	0	0	0	0	0	123	0	202	96	123	0	150	80	130	0	146	116	132	0	148	117	0	0	0	0	0	0		
1200	55	0	55	0	69	0	74	0	0	0	0	0	118	0	154	85	119	0	171	78	126	0	146	105	128	0	152	91	0	0	0	0	0	0		
1300	73	0	68	0	78	0	80	0	0	0	0	0	122	0	165	94	124	0	149	102	121	0	144	97	123	0	148	95	0	0	0	0	0	0		
1400	50	0	49	0	76	0	80	0	0	0	0	0	132	0	209	98	132	0	171	78	138	0	168	118	141	0	169	118	0	0	0	0	0	0		
1500	45	0	48	0	73	0	76	0	0	0	0	0	129	0	166	102	134	0	194	101	138	0	156	117	141	0	160	118	0	0	0	0	0	0		
1600	71	0	72	0	90	0	99	0	0	0	0	0	122	0	150	101	125	0	149	81	128	0	143	115	131	0	141	119	0	0	0	0	0	0		
1700	80	0	78	0	96	0	99	0	0	0	0	0	121	0	143	100	123	0	147	83	118	0	135	101	121	0	141	98	0	0	0	0	0	0		
1800	91	0	86	0	117	0	121	0	0	0	0	0	117	0	132	96	120	0	146	81	115	0	135	99	117	0	129	103	0	0	0	0	0	0		
1900	78	0	77	0	104	0	113	0	0	0	0	0	125	0	158	106	128	0	150	102	128	0	142	119	132	0	145	118	0	0	0	0	0	0		
2000	79	0	78	0	96	0	103	0	0	0	0	0	123	0	138	104	125	0	149	104	127	0	141	112	129	0	149	118	0	0	0	0	0	0		
2100	87	0	84	0	103	0	111	0	0	0	0	0	121	0	144	108	123	0	150	101	125	0	136	108	128	0	138	119	0	0	0	0	0	0		
2200	62	0	65	0	114	0	115	0	0	0	0	0	132	0	213	95	137	0	194	101	142	0	160	126	145	0	160	132	0	0	0	0	0	0		
2300	53	0	53	0	80	0	84	0	0	0	0	0	129	0	184	92	131	0	168	81	139	0	164	114	141	0	161	119	0	0	0	0	0	0		
2400	71	0	71	0	104	0	108	0	0	0	0	0	125	0	167	94	127	0	169	78	135	0	159	115	137	0	156	114	0	0	0	0	0	0		

	AMB. TEM1 -30 A S		AMB. TEM2 -30 B S		AMB. TEM3 -180A S		AMB. TEM4 -180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 -180A S		D.T. 2 -180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	568	0	583	0	583	0	577	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
200	588	0	583	0	583	0	577	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
300	586	0	579	0	581	0	576	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
400	585	0	579	0	581	0	576	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
500	588	0	583	0	583	0	577	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
600	590	0	585	0	585	0	579	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
700	592	0	586	0	585	0	581	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
800	639	0	633	0	630	0	626	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
900	608	0	603	0	599	0	594	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1000	621	0	615	0	612	0	606	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1100	630	0	626	0	617	0	612	0	320	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1200	635	0	630	0	622	0	617	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1300	639	0	633	0	628	0	621	0	320	0	320	0	-9	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1400	644	0	639	0	631	0	626	0	320	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1500	640	0	633	0	630	0	624	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1600	640	0	635	0	633	0	628	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1700	644	0	637	0	633	0	628	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1800	630	0	622	0	621	0	617	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0
1900	626	0	621	0	619	0	615	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0
2000	624	0	619	0	619	0	613	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0
2100	624	0	619	0	619	0	613	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0
2200	624	0	619	0	619	0	613	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0
2300	626	0	621	0	619	0	615	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0
2400	624	0	619	0	619	0	613	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50	A	S	WIND SPD2 30	B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50	A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5 S	MIN	MAX	S	WIND DIR6	
100	81	0		77	0		101	0	106	0	0	0	0	0		122	0	145	105	123	0	147	83	124	0	139	110	126	0	145	101	0	0	0	0	0	0
200	85	0		82	0		107	0	113	0	0	0	0	0		121	0	144	90	121	0	149	80	123	0	142	108	127	0	149	107	0	0	0	0	0	0
300	98	0		97	0		124	0	133	0	0	0	0	0		121	0	143	98	127	0	147	102	127	0	142	109	130	0	146	109	0	0	0	0	0	0
400	95	0		96	0		126	0	133	0	0	0	0	0		125	0	149	101	127	0	168	98	130	0	142	113	132	0	144	115	0	0	0	0	0	0
500	99	0		103	0		146	0	149	0	0	0	0	0		128	0	164	108	130	0	172	105	137	0	153	112	141	0	152	118	0	0	0	0	0	0
600	100	0		95	0		124	0	131	0	0	0	0	0		120	0	134	103	123	0	153	101	122	0	137	106	124	0	140	111	0	0	0	0	0	0
700	101	0		96	0		131	0	140	0	0	0	0	0		121	0	154	97	123	0	150	79	125	0	147	107	128	0	154	107	0	0	0	0	0	0
800	118	0		115	0		151	0	161	0	0	0	0	0		121	0	136	108	125	0	149	98	123	0	140	112	127	0	143	115	0	0	0	0	0	0
900	120	0		119	0		165	0	176	0	0	0	0	0		124	0	243	96	125	0	171	100	128	0	152	106	132	0	157	100	0	0	0	0	0	0
1000	110	0		106	0		167	0	173	0	0	0	0	0		132	0	173	350	128	0	171	103	136	0	155	120	139	0	155	120	0	0	0	0	0	0
1100	109	0		111	0		175	0	180	0	0	0	0	0		127	0	160	55	130	0	194	100	140	0	159	121	143	0	165	118	0	0	0	0	0	0
1200	88	0		84	0		125	0	133	0	0	0	0	0		122	0	143	99	124	0	169	82	130	0	152	115	133	0	145	120	0	0	0	0	0	0
1300	84	0		84	0		126	0	132	0	0	0	0	0		131	0	181	111	131	0	195	102	138	0	158	114	141	0	159	122	0	0	0	0	0	0
1400	84	0		85	0		139	0	144	0	0	0	0	0		129	0	176	92	132	0	168	59	139	0	157	119	142	0	168	122	0	0	0	0	0	0
1500	96	0		97	0		151	0	159	0	0	0	0	0		135	0	173	103	136	0	214	105	139	0	160	120	143	0	173	126	0	0	0	0	0	0
1600	76	0		71	0		138	0	144	0	0	0	0	0		149	0	196	114	148	0	263	103	155	0	179	133	157	0	177	129	0	0	0	0	0	0
1700	65	0		63	0		125	0	129	0	0	0	0	0		146	0	185	102	147	0	236	101	155	0	171	134	158	0	177	140	0	0	0	0	0	0
1800	56	0		47	0		118	0	110	0	0	0	0	0		190	0	260	114	189	0	262	100	183	0	215	134	183	0	223	142	0	0	0	0	0	0
1900	50	0		48	0		116	0	103	0	0	0	0	0		173	0	249	124	171	0	258	100	180	0	202	154	179	0	205	151	0	0	0	0	0	0
2000	51	0		45	0		109	0	98	0	0	0	0	0		174	0	244	91	169	0	237	100	178	0	213	134	177	0	211	154	0	0	0	0	0	0
2100	60	0		62	0		123	0	110	0	0	0	0	0		167	0	245	112	160	0	217	105	174	0	220	148	174	0	217	147	0	0	0	0	0	0
2200	60	0		53	0		133	0	115	0	0	0	0	0		175	0	259	110	165	0	236	97	178	0	202	151	178	0	195	159	0	0	0	0	0	0
2300	61	0		52	0		109	0	93	0	0	0	0	0		181	0	248	122	174	0	216	104	177	0	198	153	178	0	209	157	0	0	0	0	0	0
2400	54	0		44	0		108	0	93	0	0	0	0	0		164	0	228	124	164	0	216	123	181	0	212	159	183	0	222	157	0	0	0	0	0	0

	AMB. TEM1 -30	A	S	AMB. TEM2 -30	B	S	AMB. TEM3 -180A	S	AMB. TEM4 -180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 -180A	S	D.T. 2 -180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	622	0		617	0		617	0	612	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0
200	622	0		619	0		617	0	612	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0
300	622	0		619	0		617	0	612	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0
400	621	0		613	0		613	0	608	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0
500	615	0		610	0		608	0	604	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	119	0
600	612	0		606	0		604	0	599	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	123	0
700	610	0		604	0		604	0	599	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	123	0
800	615	0		610	0		610	0	604	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	123	0
900	621	0		617	0		615	0	610	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	123	0
1000	640	0		639	0		626	0	621	0	320	0	320	0	-13	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	123	0
1100	640	0		633	0		628	0	619	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1200	640	0		635	0		630	0	622	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1300	658	0		653	0		644	0	635	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1400	682	0		676	0		664	0	658	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1500	694	0		689	0		676	0	669	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1600	698	0		693	0		682	0	675	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1700	673	0		666	0		658	0	653	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1800	660	0		653	0		646	0	639	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
1900	640	0		633	0		635	0	628	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2000	630	0		622	0		622	0	617	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2100	622	0		617	0		617	0	612	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2200	617	0		612	0		613	0	608	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2300	615	0		608	0		610	0	603	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2400	613	0		608	0		613	0	608	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
														50 B	S			150A	S		150B	S			S			S	
100	69	0	56	0	114	0	117	0	0	0	0	0	223	0	256	183	222	0	262	171	222	0	246	201	222	0	242	203
200	104	0	99	0	144	0	151	0	0	0	0	0	284	0	328	222	277	0	330	213	287	0	318	230	282	0	309	219
300	65	0	61	0	86	0	91	0	0	0	0	0	307	0	328	269	304	0	330	238	307	0	328	292	301	0	316	289
400	96	0	91	0	126	0	130	0	0	0	0	0	301	0	333	274	294	0	348	258	302	0	311	292	297	0	303	287
500	49	0	44	0	65	0	68	0	0	0	0	0	333	0	23	272	330	0	33	280	331	0	35	295	325	0	19	292
600	38	0	33	0	46	0	53	0	0	0	0	0	86	0	99	74	84	0	104	59	55	0	67	41	56	0	67	37
700	35	0	31	0	45	0	45	0	0	0	0	0	16	0	63	337	8	0	58	327	3	0	30	348	0	0	24	346
800	53	0	43	0	80	0	79	0	0	0	0	0	110	0	122	98	109	0	147	81	87	0	102	74	87	0	107	75
900	75	0	72	0	100	0	105	0	0	0	0	0	123	0	150	43	122	0	170	59	131	0	148	112	134	0	155	113
1000	113	0	112	0	129	0	139	0	0	0	0	0	122	0	139	98	124	0	151	94	124	0	143	110	127	0	137	113
1100	79	0	80	0	122	0	128	0	0	0	0	0	131	0	166	40	128	0	172	78	141	0	171	118	144	0	161	121
1200	86	0	89	0	126	0	130	0	0	0	0	0	131	0	157	71	132	0	171	81	137	0	159	107	140	0	155	117
1300	88	0	88	0	147	0	152	0	0	0	0	0	149	0	197	105	148	0	216	102	155	0	195	135	158	0	177	140
1400	84	0	84	0	141	0	144	0	0	0	0	0	137	0	183	91	134	0	171	81	144	0	172	114	147	0	169	114
1500	112	0	109	0	153	0	158	0	0	0	0	0	127	0	155	98	128	0	169	81	133	0	165	116	136	0	154	118
1600	130	0	126	0	172	0	180	0	0	0	0	0	125	0	143	111	126	0	148	82	129	0	149	111	132	0	145	110
1700	110	0	108	0	166	0	175	0	0	0	0	0	124	0	147	100	126	0	170	82	132	0	147	119	136	0	150	123
1800	130	0	129	0	201	0	208	0	0	0	0	0	129	0	151	108	132	0	172	104	135	0	148	123	137	0	154	115
1900	117	0	122	0	189	0	196	0	0	0	0	0	129	0	154	107	131	0	168	102	137	0	155	127	141	0	156	123
2000	142	0	143	0	233	0	238	0	0	0	0	0	127	0	151	110	127	0	168	100	133	0	151	111	137	0	157	112
2100	128	0	124	0	225	0	231	0	0	0	0	0	138	0	182	98	136	0	177	81	145	0	171	126	147	0	168	120
2200	127	0	124	0	239	0	245	0	0	0	0	0	145	0	178	99	147	0	214	100	154	0	180	134	158	0	194	137
2300	125	0	130	0	235	0	239	0	0	0	0	0	142	0	201	109	137	0	171	78	150	0	171	127	154	0	180	128
2400	138	0	132	0	258	0	270	0	0	0	0	0	139	0	183	110	140	0	214	101	147	0	172	123	151	0	168	122

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	626	0	621	0	630	0	622	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
200	628	0	621	0	612	0	606	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
300	595	0	590	0	590	0	583	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
400	588	0	581	0	577	0	572	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
500	570	0	563	0	568	0	563	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
600	554	0	545	0	563	0	558	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
700	550	0	543	0	563	0	556	0	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
800	556	0	550	0	561	0	554	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	142	0
900	576	0	572	0	568	0	559	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	6
1000	588	0	583	0	577	0	570	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
1100	610	0	604	0	594	0	586	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
1200	633	0	628	0	617	0	612	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
1300	669	0	666	0	653	0	648	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
1400	680	0	676	0	662	0	655	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
1500	685	0	680	0	667	0	662	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
1600	694	0	689	0	676	0	667	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
1700	698	0	693	0	682	0	676	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
1800	696	0	691	0	682	0	675	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
1900	694	0	689	0	682	0	675	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2000	696	0	691	0	684	0	678	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2100	696	0	691	0	684	0	678	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2200	698	0	691	0	687	0	682	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2300	703	0	696	0	693	0	685	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
2400	702	0	696	0	691	0	684	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN S	MAX	S	WIND DIR5	MIN S	MAX	S	WIND DIR6		
100	103	0	93	0	188	0	190	0	0	0	0	0	144	0	180	103	144	0	208	101	152	0	175	131	155	0	178	132	0	0	0	0	0	0	
200	106	0	99	0	191	0	191	0	0	0	0	0	161	0	252	97	153	0	261	101	163	0	194	127	165	0	189	140	0	0	0	0	0	0	
300	158	0	150	0	193	0	204	0	0	0	0	0	272	0	302	248	264	0	306	235	273	0	311	247	269	0	300	241	0	0	0	0	0	0	
400	74	0	70	0	92	0	99	0	0	0	0	0	263	0	285	229	258	0	304	235	261	0	276	246	258	0	284	244	0	0	0	0	0	0	
500	156	0	150	0	180	0	189	0	0	0	0	0	270	0	294	246	264	0	284	235	271	0	295	258	266	0	298	249	0	0	0	0	0	0	
600	167	0	161	0	205	0	220	0	0	0	0	0	281	0	317	246	274	0	334	217	289	0	323	243	283	0	319	241	0	0	0	0	0	0	
700	157	0	144	0	205	0	213	0	0	0	0	0	289	0	321	243	283	0	329	235	294	0	334	256	288	0	323	253	0	0	0	0	0	0	
800	45	0	43	0	67	0	65	0	0	0	0	0	16	0	131	273	9	0	148	281	2	0	59	308	355	0	53	294	0	0	0	0	0	0	
900	170	0	167	0	218	0	222	0	0	0	0	0	310	0	328	286	305	0	349	261	311	0	331	303	305	0	315	296	0	0	0	0	0	0	
1000	110	0	109	0	146	0	147	0	0	0	0	0	313	0	349	277	305	0	349	259	316	0	343	295	310	0	340	291	0	0	0	0	0	0	
1100	110	0	106	0	138	0	141	0	0	0	0	0	312	0	347	282	305	0	348	260	318	0	348	293	312	0	336	293	0	0	0	0	0	0	
1200	66	0	62	0	86	0	89	0	0	0	0	0	313	0	7	275	304	0	335	251	317	0	342	289	310	0	343	279	0	0	0	0	0	0	
1300	71	0	69	0	91	0	92	0	0	0	0	0	329	0	23	270	325	0	15	281	332	0	351	298	325	0	353	285	0	0	0	0	0	0	
1400	77	0	73	0	94	0	97	0	0	0	0	0	324	0	19	274	314	0	353	236	325	0	8	293	318	0	352	291	0	0	0	0	0	0	
1500	65	0	60	0	83	0	83	0	0	0	0	0	337	0	28	291	330	0	33	282	346	0	31	312	341	0	23	308	0	0	0	0	0	0	
1600	60	0	56	0	69	0	71	0	0	0	0	0	19	0	73	308	13	0	102	303	4	0	45	297	0	0	49	296	0	0	0	0	0	0	
1700	45	0	41	0	63	0	65	0	0	0	0	0	22	0	128	305	14	0	83	282	5	0	69	308	0	0	47	301	0	0	0	0	0	0	
1800	51	0	46	0	63	0	63	0	0	0	0	0	28	0	50	0	22	0	39	349	14	0	34	352	10	0	29	346	0	0	0	0	0	0	
1900	46	0	39	0	58	0	58	0	0	0	0	0	18	0	41	351	12	0	58	333	2	0	21	337	357	0	26	331	0	0	0	0	0	0	
2000	40	0	45	0	73	0	73	0	0	0	0	0	61	0	71	54	58	0	79	37	40	0	48	30	36	0	44	28	0	0	0	0	0	0	
2100	49	0	44	0	63	0	76	0	0	0	0	0	107	0	120	92	110	0	127	83	68	0	79	61	67	0	79	61	0	0	0	0	0	0	
2200	63	0	57	0	107	0	106	0	0	0	0	0	114	0	122	109	114	0	128	103	91	0	94	88	92	0	95	89	0	0	0	0	0	0	
2300	96	0	88	0	158	0	157	0	0	0	0	0	111	0	118	102	110	0	128	102	94	0	100	87	94	0	102	89	0	0	0	0	0	0	
2400	77	0	73	0	125	0	125	0	0	0	0	0	106	0	115	98	104	0	125	98	94	0	97	91	94	0	100	89	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	691	0	685	0	689	0	682	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
200	687	0	682	0	682	0	676	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
300	585	0	577	0	574	0	568	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	140	0
400	574	0	567	0	568	0	563	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
500	595	0	588	0	585	0	579	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
600	585	0	577	0	574	0	568	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
700	543	0	538	0	536	0	531	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
800	531	0	527	0	496	0	491	0	320	0	320	0	-36	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
900	504	0	498	0	487	0	480	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1000	511	0	505	0	487	0	480	0	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1100	503	0	500	0	484	0	477	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1200	522	0	516	0	482	0	477	0	320	0	320	0	-41	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1300	529	0	525	0	482	0	477	0	320	0	320	0	-50	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1400	529	0	523	0	484	0	478	0	320	0	320	0	-47	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1500	527	0	522	0	491	0	486	0	320	0	320	0	-38	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1600	525	0	520	0	502	0	496	0	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1700	518	0	513	0	500	0	493	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1800	489	0	482	0	493	0	487	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1900	484	0	477	0	496	0	489	0	320	0	320	0	11	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2000	453	0	444	0	498	0	491	0	320	0	320	0	43	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2100	450	0	441	0	491	0	484	0	320	0	320	0	40	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2200	435	0	426	0	478	0	473	0	320	0	320	0	41	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2300	435	0	428	0	473	0	466	0	320	0	320	0	32	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2400	426	0	419	0	455	0	448	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	
100	103	0	94	0	182	0	180	0	0	0	0	0	107	0	116	93	106	0	126	81	92	0	97	88	92	0	96	89	0	0	0	0	0	0
200	94	0	83	0	155	0	154	0	0	0	0	0	114	0	124	100	112	0	131	82	99	0	104	94	100	0	106	96	0	0	0	0	0	0
300	106	0	97	0	171	0	172	0	0	0	0	0	107	0	118	92	106	0	128	81	100	0	104	95	101	0	106	96	0	0	0	0	0	0
400	94	0	82	0	149	0	152	0	0	0	0	0	117	0	128	95	117	0	131	85	114	0	124	102	116	0	125	105	0	0	0	0	0	0
500	96	0	86	0	139	0	142	0	0	0	0	0	115	0	124	102	116	0	146	81	113	0	117	109	115	0	118	111	0	0	0	0	0	0
600	98	0	85	0	139	0	143	0	0	0	0	0	118	0	128	108	120	0	147	83	115	0	127	108	117	0	125	111	0	0	0	0	0	0
700	102	0	93	0	152	0	153	0	0	0	0	0	114	0	129	96	116	0	148	101	110	0	120	94	111	0	118	99	0	0	0	0	0	0
800	89	0	84	0	134	0	136	0	0	0	0	0	111	0	126	92	111	0	129	82	110	0	121	100	113	0	130	102	0	0	0	0	0	0
900	109	0	100	0	140	0	141	0	0	0	0	0	112	0	125	84	112	0	145	82	107	0	120	94	109	0	130	99	0	0	0	0	0	0
1000	99	0	96	0	126	0	130	0	0	0	0	0	121	0	138	101	125	0	170	102	121	0	148	103	123	0	142	103	0	0	0	0	0	0
1100	90	0	86	0	121	0	124	0	0	0	0	0	122	0	170	92	123	0	170	63	125	0	162	99	128	0	167	96	0	0	0	0	0	0
1200	116	0	112	0	136	0	140	0	0	0	0	0	122	0	163	29	124	0	156	36	121	0	152	62	124	0	145	85	0	0	0	0	0	0
1300	104	0	99	0	127	0	131	0	0	0	0	0	118	0	155	94	120	0	150	81	117	0	144	87	119	0	147	97	0	0	0	0	0	0
1400	86	0	79	0	132	0	138	0	0	0	0	0	134	0	218	92	139	0	239	102	140	0	179	110	141	0	167	112	0	0	0	0	0	0
1500	95	0	95	0	154	0	156	0	0	0	0	0	132	0	192	100	130	0	172	78	138	0	176	111	140	0	163	106	0	0	0	0	0	0
1600	108	0	101	0	142	0	145	0	0	0	0	0	116	0	138	94	116	0	150	80	117	0	138	98	118	0	142	90	0	0	0	0	0	0
1700	148	0	141	0	187	0	195	0	0	0	0	0	122	0	239	103	122	0	147	81	117	0	141	98	121	0	142	106	0	0	0	0	0	0
1800	165	0	162	0	208	0	220	0	0	0	0	0	122	0	143	106	123	0	150	78	121	0	147	93	125	0	158	98	0	0	0	0	0	0
1900	177	0	176	0	240	0	250	0	0	0	0	0	122	0	155	7	126	0	171	82	125	0	151	102	128	0	145	106	0	0	0	0	0	0
2000	151	0	151	0	247	0	254	0	0	0	0	0	132	0	265	111	131	0	171	82	137	0	155	122	142	0	160	125	0	0	0	0	0	0
2100	155	0	164	0	250	0	259	0	0	0	0	0	142	0	166	303	132	0	191	101	137	0	161	119	141	0	156	122	0	0	0	0	0	0
2200	139	0	139	0	251	0	249	0	0	0	0	0	133	0	261	101	131	0	157	60	139	0	158	123	144	0	165	131	0	0	0	0	0	0
2300	143	0	143	0	224	0	235	0	0	0	0	0	126	0	153	41	132	0	158	82	138	0	155	119	141	0	158	126	0	0	0	0	0	0
2400	110	0	110	0	214	0	217	0	0	0	0	0	143	0	257	92	139	0	194	101	151	0	177	123	154	0	185	123	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	419	0	412	0	459	0	451	0	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
200	419	0	412	0	455	0	448	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
300	415	0	408	0	451	0	444	0	320	0	320	0	32	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
400	417	0	410	0	435	0	428	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
500	426	0	419	0	442	0	435	0	320	0	320	0	14	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
600	441	0	433	0	451	0	444	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
700	441	0	435	0	455	0	446	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
800	453	0	446	0	460	0	453	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
900	484	0	478	0	480	0	475	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1000	516	0	513	0	511	0	500	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1100	572	0	568	0	559	0	550	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1200	604	0	599	0	588	0	583	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1300	642	0	637	0	619	0	613	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1400	658	0	653	0	639	0	631	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1500	658	0	653	0	642	0	637	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1600	657	0	651	0	640	0	633	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1700	651	0	644	0	637	0	630	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1800	639	0	633	0	628	0	621	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1900	640	0	633	0	628	0	622	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
2000	606	0	599	0	590	0	583	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	143	0
2100	601	0	594	0	588	0	581	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	144	0
2200	603	0	595	0	592	0	586	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	144	0
2300	613	0	608	0	603	0	595	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	144	0
2400	633	0	628	0	624	0	619	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	144	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	118	0	121	0	234	0	231	0	0	0	0	0	150	0	263	97	145	0	206	99	161	0	190	132	163	0	185	136	0	0	0	0	0	0
200	111	0	103	0	212	0	198	0	0	0	0	0	180	0	269	90	165	0	262	104	170	0	199	142	172	0	195	143	0	0	0	0	0	0
300	103	0	91	0	210	0	188	0	0	0	0	0	185	0	264	100	167	0	236	103	174	0	202	141	175	0	200	152	0	0	0	0	0	0
400	140	0	126	0	210	0	215	0	0	0	0	0	238	0	268	206	236	0	281	191	232	0	259	195	230	0	252	207	0	0	0	0	0	0
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
800	175	0	157	0	257	0	271	0	0	0	0	0	245	0	303	213	242	0	351	191	240	0	258	207	238	0	263	203	0	0	0	0	0	0
900	171	0	152	0	236	0	249	0	0	0	0	0	244	0	275	208	240	0	285	192	237	0	266	200	235	0	269	203	0	0	0	0	0	0
1000	181	0	154	0	253	0	262	0	0	0	0	0	232	0	285	230	249	0	285	215	250	0	262	238	247	0	260	233	0	0	0	0	0	0
1100	236	0	229	0	316	0	336	0	0	0	0	0	249	0	273	228	247	0	300	214	245	0	257	221	242	0	257	221	0	0	0	0	0	0
1200	201	0	194	0	275	0	295	0	0	0	0	0	248	0	277	208	244	0	285	193	243	0	265	205	239	0	266	212	0	0	0	0	0	0
1300	210	0	195	0	308	0	323	0	0	0	0	0	251	0	278	225	248	0	282	214	252	0	288	229	248	0	274	213	0	0	0	0	0	0
1400	160	0	152	0	226	0	239	0	0	0	0	0	251	0	285	220	245	0	285	202	252	0	280	240	248	0	268	232	0	0	0	0	0	0
1500	178	0	167	0	246	0	258	0	0	0	0	0	251	0	275	225	248	0	282	213	248	0	262	237	245	0	260	229	0	0	0	0	0	0
1600	184	0	173	0	253	0	272	0	0	0	0	0	250	0	279	210	247	0	285	214	248	0	263	234	245	0	272	227	0	0	0	0	0	0
1700	176	0	171	0	244	0	258	0	0	0	0	0	251	0	278	231	248	0	282	214	247	0	268	235	244	0	257	226	0	0	0	0	0	0
1800	175	0	164	0	257	0	269	0	0	0	0	0	252	0	276	229	249	0	282	214	253	0	276	237	250	0	271	235	0	0	0	0	0	0
1900	167	0	158	0	268	0	280	0	0	0	0	0	263	0	289	227	258	0	304	192	259	0	274	235	257	0	271	234	0	0	0	0	0	0
2000	238	0	231	0	279	0	291	0	0	0	0	0	270	0	291	243	263	0	290	215	272	0	296	261	268	0	290	245	0	0	0	0	0	0
2100	221	0	221	0	260	0	273	0	0	0	0	0	272	0	309	245	265	0	306	237	276	0	337	246	270	0	294	246	0	0	0	0	0	0
2200	214	0	209	0	257	0	268	0	0	0	0	0	273	0	311	251	267	0	330	237	275	0	315	251	271	0	302	249	0	0	0	0	0	0
2300	168	0	139	0	206	0	216	0	0	0	0	0	273	0	317	247	267	0	327	194	277	0	324	230	272	0	310	223	0	0	0	0	0	0
2400	98	0	92	0	145	0	135	0	0	0	0	0	243	0	281	207	240	0	282	194	238	0	263	212	235	0	256	214	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	649	0	642	0	635	0	630	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	145	0
200	658	0	653	0	646	0	640	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	145	0
300	658	0	653	0	646	0	640	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	149	0
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	572	0	567	0	565	0	556	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
900	558	0	552	0	550	0	543	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1000	536	0	531	0	522	0	511	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1100	545	0	540	0	534	0	527	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1200	538	0	532	0	523	0	518	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1300	531	0	527	0	520	0	511	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1400	558	0	552	0	536	0	531	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1500	570	0	565	0	554	0	547	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1600	576	0	572	0	565	0	556	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1700	574	0	568	0	563	0	558	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1800	568	0	565	0	565	0	558	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1900	567	0	561	0	563	0	556	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
2000	563	0	558	0	554	0	547	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
2100	558	0	550	0	549	0	541	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
2200	552	0	547	0	545	0	538	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
2300	549	0	543	0	543	0	536	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
2400	509	0	502	0	504	0	498	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1	WIND DIR2 MIN		WIND DIR2 MAX		WIND DIR3 150A S MIN		WIND DIR3 150A S MAX		WIND DIR4 150B S MIN		WIND DIR4 150B S MAX		WIND DIR5 S MIN		WIND DIR5 S MAX		WIND DIR6
100	104	0	98	0	147	0	155	0	0	0	0	0	242	0	271	203	238	0	282	195	237	0	254	212	234	0	254	205	0	0	0	0	0	0
200	83	0	80	0	125	0	132	0	0	0	0	0	257	0	303	227	252	0	285	195	258	0	297	229	254	0	288	211	0	0	0	0	0	0
300	75	0	61	0	126	0	131	0	0	0	0	0	222	0	293	192	219	0	259	171	226	0	244	206	224	0	239	202	0	0	0	0	0	0
400	48	0	45	0	57	0	63	0	0	0	0	0	242	0	272	197	239	0	263	192	246	0	259	223	244	0	257	219	0	0	0	0	0	0
500	49	0	37	0	82	0	87	0	0	0	0	0	201	0	269	163	194	0	220	146	224	0	240	205	224	0	239	211	0	0	0	0	0	0
600	59	0	45	0	161	0	134	0	0	0	0	0	201	0	261	158	194	0	258	125	197	0	203	188	196	0	204	182	0	0	0	0	0	0
700	61	0	45	0	138	0	122	0	0	0	0	0	197	0	235	151	195	0	262	127	210	0	222	199	211	0	225	196	0	0	0	0	0	0
800	49	0	38	0	123	0	114	0	0	0	0	0	189	0	263	111	187	0	250	101	211	0	223	191	212	0	242	195	0	0	0	0	0	0
900	45	0	37	0	84	0	90	0	0	0	0	0	227	0	269	195	224	0	263	172	226	0	243	204	225	0	247	198	0	0	0	0	0	0
1000	26	0	19	0	41	0	37	0	0	0	0	0	210	0	268	109	209	3	263	122	203	0	235	178	201	0	230	176	0	0	0	0	0	0
1100	56	0	54	0	67	0	72	0	0	0	0	0	259	0	285	239	254	0	285	216	258	0	270	247	256	0	267	242	0	0	0	0	0	0
1200	24	0	18	0	46	0	39	0	0	0	0	0	192	0	251	127	188	3	260	103	194	0	206	178	193	0	208	179	0	0	0	0	0	0
1300	43	0	36	0	66	0	65	0	0	0	0	0	227	0	274	181	222	0	262	149	218	0	248	190	218	0	251	194	0	0	0	0	0	0
1400	60	0	55	0	91	0	98	0	0	0	0	0	152	0	258	103	153	0	237	104	161	0	219	133	161	0	198	137	0	0	0	0	0	0
1500	48	0	46	0	78	0	80	0	0	0	0	0	132	0	162	86	136	0	172	101	139	0	158	127	141	0	157	126	0	0	0	0	0	0
1600	46	0	42	0	61	0	64	0	0	0	0	0	86	0	111	60	87	0	125	57	83	0	113	63	82	0	109	61	0	0	0	0	0	0
1700	41	0	43	0	64	0	75	0	0	0	0	0	58	0	81	39	54	0	103	11	54	0	76	40	53	0	69	31	0	0	0	0	0	0
1800	41	0	43	0	64	0	76	0	0	0	0	0	61	0	88	38	58	0	103	34	52	0	80	28	50	0	82	33	0	0	0	0	0	0
1900	80	0	78	0	103	0	114	0	0	0	0	0	81	0	105	55	81	0	128	34	73	0	99	55	72	0	92	54	0	0	0	0	0	0
2000	67	0	67	0	96	0	106	0	0	0	0	0	79	0	104	46	79	0	106	35	74	0	96	53	72	0	94	50	0	0	0	0	0	0
2100	75	0	72	0	112	0	129	0	0	0	0	0	82	0	103	57	79	0	125	35	69	0	90	51	69	0	86	46	0	0	0	0	0	0
2200	120	0	122	0	164	0	173	0	0	0	0	0	86	0	122	62	84	0	129	35	78	0	106	51	78	0	106	49	0	0	0	0	0	0
2300	120	0	119	0	155	0	166	0	0	0	0	0	84	0	107	62	81	0	125	42	76	0	96	55	76	0	105	51	0	0	0	0	0	0
2400	121	0	120	0	169	0	172	0	0	0	0	0	88	0	112	58	87	0	135	14	81	0	109	60	81	0	104	55	0	0	0	0	0	0

	AMB. TEM1 30-A	S	AMB. TEM2 30-B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN	S
100	504	0	498	0	498	0	493	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
200	505	0	500	0	509	0	502	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
300	453	0	446	0	475	0	469	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
400	518	0	511	0	514	0	507	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
500	415	0	408	0	462	0	455	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
600	401	0	394	0	448	0	441	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
700	396	0	388	0	446	0	439	0	320	0	320	0	49	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
800	421	0	417	0	468	0	457	0	320	0	320	0	40	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
900	464	0	459	0	477	0	469	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1000	513	0	505	0	502	0	496	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1100	513	0	507	0	509	0	502	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1200	520	0	513	0	513	0	505	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1300	525	0	520	0	518	0	511	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1400	511	0	507	0	505	0	493	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	152	0
1500	471	0	464	0	468	0	460	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	153	0
1600	448	0	441	0	446	0	439	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	157	0
1700	439	0	432	0	442	0	435	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1800	441	0	433	0	442	0	435	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1900	442	0	435	0	442	0	435	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2000	439	0	430	0	437	0	430	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	160	0
2100	432	0	424	0	430	0	423	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	163	0
2200	433	0	428	0	430	0	423	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	171	0
2300	435	0	428	0	432	0	426	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
2400	437	0	430	0	433	0	428	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	191	0

STATUS CODES) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLE

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	116	0	115	0	156	0	167	0	0	0	0	0	84	0	111	58	83	0	129	38	75	0	99	38	78	0	99	58	0	0	0
200	142	0	142	0	183	0	195	0	0	0	0	0	84	0	112	66	82	0	126	38	76	0	96	57	76	0	99	44	0	0	0
300	69	0	64	0	100	0	109	0	0	0	0	0	81	0	112	31	80	0	126	11	74	0	108	36	74	0	119	41	0	0	0
400	91	0	85	0	118	0	117	0	0	0	0	0	33	0	55	5	27	0	58	353	26	0	44	6	23	0	42	5	0	0	0
500	71	0	67	0	100	0	99	0	0	0	0	0	38	0	63	16	30	0	61	352	30	0	57	14	26	0	43	9	0	0	0
600	55	0	52	0	73	0	77	0	0	0	0	0	42	0	74	10	36	0	80	0	36	0	52	15	34	0	60	11	0	0	0
700	52	0	51	0	65	0	77	0	0	0	0	0	72	0	100	42	67	0	106	34	60	0	83	36	59	0	84	29	0	0	0
800	18	0	17	0	22	0	26	0	0	0	0	0	86	0	132	44	85	3	146	34	86	3	126	46	89	3	135	49	0	0	0
900	25	0	21	0	27	0	30	0	0	0	0	0	235	0	286	185	231	0	284	192	229	0	267	202	227	0	261	198	0	0	0
1000	70	0	66	0	97	0	104	0	0	0	0	0	254	0	296	225	250	0	284	214	252	0	269	236	249	0	269	220	0	0	0
1100	78	0	73	0	94	0	100	0	0	0	0	0	269	0	310	230	265	0	328	236	273	0	309	248	270	0	301	246	0	0	0
1200	88	0	87	0	134	0	136	0	0	0	0	0	321	0	3	279	314	0	353	258	327	0	5	284	323	0	356	294	0	0	0
1300	120	0	113	0	164	0	164	0	0	0	0	0	322	0	4	287	314	0	37	277	327	0	13	307	322	0	345	306	0	0	0
1400	170	0	160	0	230	0	227	0	0	0	0	0	346	0	17	320	336	0	35	304	341	0	355	325	333	0	355	315	0	0	0
1500	122	0	116	0	179	0	176	0	0	0	0	0	341	0	15	299	334	0	36	282	340	0	358	308	335	0	354	300	0	0	0
1600	93	0	90	0	136	0	132	0	0	0	0	0	339	0	36	279	335	0	37	281	337	0	1	298	332	0	4	288	0	0	0
1700	76	0	72	0	114	0	115	0	0	0	0	0	329	0	21	273	319	0	353	258	331	0	356	290	326	0	351	298	0	0	0
1800	85	0	83	0	114	0	114	0	0	0	0	0	317	0	3	281	313	0	14	283	322	0	11	294	316	0	5	291	0	0	0
1900	53	0	47	0	77	0	77	0	0	0	0	0	356	0	54	304	349	0	38	304	349	0	25	324	345	0	29	323	0	0	0
2000	27	0	25	0	29	0	36	0	0	0	0	0	84	3	112	71	85	3	124	59	47	3	56	40	45	0	56	36	0	0	0
2100	38	0	36	0	22	0	24	0	0	0	0	0	156	0	176	344	155	0	172	145	111	0	126	97	114	0	130	100	0	0	0
2200	41	0	38	0	22	0	26	0	0	0	0	0	183	0	266	138	179	0	199	166	141	0	149	136	145	0	155	140	0	0	0
2300	53	0	48	0	40	0	31	0	0	0	0	0	190	0	269	176	187	0	216	167	170	0	182	164	176	0	183	171	0	0	0
2400	49	0	42	0	91	0	70	0	0	0	0	0	187	0	239	105	183	0	265	144	179	0	186	175	180	0	185	177	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	437	0	430	0	435	0	428	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	203	0
200	435	0	428	0	433	0	426	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	209	0
300	439	0	432	0	435	0	428	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	210	0
400	442	0	435	0	441	0	433	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	211	0
500	444	0	439	0	444	0	437	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
600	442	0	437	0	441	0	435	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
700	442	0	437	0	441	0	433	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
800	446	0	439	0	442	0	435	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
900	453	0	446	0	446	0	439	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1000	469	0	462	0	462	0	457	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1100	482	0	477	0	477	0	471	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1200	500	0	495	0	489	0	482	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1300	500	0	495	0	491	0	486	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1400	495	0	489	0	487	0	480	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1500	502	0	496	0	491	0	484	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1600	507	0	504	0	491	0	482	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1700	498	0	491	0	489	0	482	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1800	487	0	482	0	487	0	480	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1900	484	0	477	0	491	0	486	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
2000	450	0	441	0	486	0	478	0	320	0	320	0	32	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
2100	466	0	457	0	469	0	462	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
2200	462	0	455	0	468	0	460	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
2300	462	0	455	0	478	0	473	0	320	0	320	0	18	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
2400	444	0	435	0	480	0	473	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0

STATUS CODE(S) DEFINITIONS -- 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	50	0	38	0	99	0	97	0	0	0	0	0	202	0	252	137	0	196	0	256	125	0	212	0	228	195	0	213	0	227	196	0	0	0	0	0	0
200	64	0	52	0	109	0	116	0	0	0	0	0	228	0	276	181	0	225	0	263	171	0	229	0	244	212	0	228	0	244	215	0	0	0	0	0	0
300	54	0	48	0	74	0	78	0	0	0	0	0	259	0	344	196	0	254	0	350	191	0	259	0	322	199	0	255	0	317	185	0	0	0	0	0	0
400	47	0	42	0	64	0	68	0	0	0	0	0	306	0	344	272	0	296	0	349	240	0	301	0	334	277	0	296	0	334	267	0	0	0	0	0	0
500	74	0	69	0	90	0	93	0	0	0	0	0	315	0	343	284	0	310	0	350	281	0	310	0	328	297	0	304	0	326	289	0	0	0	0	0	0
600	59	0	55	0	85	0	87	0	0	0	0	0	309	0	354	247	0	305	0	353	258	0	306	0	334	273	0	301	0	337	289	0	0	0	0	0	0
700	79	0	78	0	117	0	117	0	0	0	0	0	326	0	81	289	0	318	0	60	281	0	329	0	4	302	0	323	0	346	297	0	0	0	0	0	0
800	57	0	54	0	81	0	83	0	0	0	0	0	336	0	33	291	0	328	0	86	281	0	335	0	7	315	0	329	0	351	306	0	0	0	0	0	0
900	56	0	53	0	72	0	74	0	0	0	0	0	313	0	0	279	0	309	0	353	261	0	316	0	337	278	0	311	0	340	286	0	0	0	0	0	0
1000	88	0	86	0	140	0	137	0	0	0	0	0	328	0	7	275	0	321	0	38	281	0	330	0	1	276	0	326	0	16	270	0	0	0	0	0	0
1100	73	0	70	0	101	0	101	0	0	0	0	0	331	0	22	281	0	326	0	34	282	0	333	0	4	297	0	330	0	3	272	0	0	0	0	0	0
1200	82	0	79	0	108	0	113	0	0	0	0	0	320	0	15	271	0	312	0	352	238	0	323	0	350	275	0	318	0	349	273	0	0	0	0	0	0
1300	72	0	71	0	99	0	99	0	0	0	0	0	313	0	10	271	0	304	0	351	241	0	319	0	354	283	0	313	0	359	278	0	0	0	0	0	0
1400	80	0	75	0	102	0	100	0	0	0	0	0	316	0	43	278	0	304	0	351	240	0	317	0	354	295	0	311	0	355	280	0	0	0	0	0	0
1500	81	0	80	0	115	0	116	0	0	0	0	0	321	0	18	276	0	315	0	35	281	0	324	0	342	291	0	318	0	350	293	0	0	0	0	0	0
1600	67	0	67	0	91	0	92	0	0	0	0	0	341	0	37	293	0	333	0	14	285	0	337	0	357	309	0	331	0	353	310	0	0	0	0	0	0
1700	63	0	65	0	91	0	92	0	0	0	0	0	333	0	25	283	0	328	0	58	283	0	331	0	3	297	0	327	0	357	298	0	0	0	0	0	0
1800	47	0	45	0	72	0	72	0	0	0	0	0	15	0	56	286	0	13	0	83	304	0	358	0	43	327	0	355	0	68	335	0	0	0	0	0	0
1900	39	0	39	0	46	0	55	0	0	0	0	0	81	0	87	65	0	80	0	84	60	0	53	0	65	44	0	52	0	65	37	0	0	0	0	0	0
2000	54	0	55	0	67	0	68	0	0	0	0	0	107	0	124	96	0	111	0	128	103	0	82	0	93	72	0	82	0	95	71	0	0	0	0	0	0
2100	55	0	57	0	63	0	64	0	0	0	0	0	132	0	141	126	0	134	0	149	127	0	108	0	114	102	0	111	0	116	104	0	0	0	0	0	0
2200	57	0	61	0	69	0	71	0	0	0	0	0	155	0	182	100	0	156	0	192	126	0	127	0	137	122	0	130	0	142	125	0	0	0	0	0	0
2300	57	0	60	0	84	0	87	0	0	0	0	0	183	0	253	146	0	177	0	242	105	0	162	0	170	153	0	164	0	170	156	0	0	0	0	0	0
2400	46	0	45	0	90	0	88	0	0	0	0	0	192	0	231	165	0	189	0	266	148	0	180	0	184	176	0	181	0	184	177	0	0	0	0	0	0

	AMB. TEM1 30-A	S	AMB. TEM2 30-B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	453	0	446	0	489	0	484	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
200	464	0	459	0	482	0	477	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
300	487	0	480	0	493	0	486	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
400	498	0	491	0	505	0	498	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
500	500	0	495	0	505	0	498	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
600	502	0	498	0	505	0	498	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
700	495	0	487	0	495	0	487	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
800	496	0	493	0	496	0	487	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
900	504	0	498	0	495	0	489	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1000	493	0	487	0	475	0	469	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1100	500	0	493	0	477	0	473	0	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1200	495	0	489	0	475	0	469	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1300	525	0	520	0	478	0	475	0	320	0	320	0	-47	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1400	507	0	500	0	473	0	468	0	320	0	320	0	-34	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1500	493	0	486	0	466	0	462	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1600	482	0	477	0	464	0	459	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1700	471	0	466	0	464	0	460	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1800	459	0	450	0	466	0	460	0	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
1900	417	0	410	0	462	0	457	0	320	0	320	0	45	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
2000	442	0	432	0	460	0	457	0	320	0	320	0	18	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
2100	439	0	432	0	446	0	439	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
2200	423	0	415	0	442	0	437	0	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
2300	430	0	423	0	448	0	441	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
2400	424	0	417	0	451	0	444	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0

STATUS CODES) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	49	0	46	0	91	0	67	0	0	0	0	0	0	0	25	0	189	0	243	128	191	0	196	184	190	0	196	186	0	0	0	0	0	0
200	55	0	44	0	107	0	114	0	0	0	0	0	0	0	0	0	203	0	239	151	224	0	232	217	224	0	231	214	0	0	0	0	0	0
300	58	0	57	0	90	0	93	0	0	0	0	0	0	0	0	0	357	0	173	281	297	0	353	205	294	0	349	203	0	0	0	0	0	0
400	76	0	78	0	119	0	120	0	0	0	0	0	0	0	0	0	334	0	36	282	339	0	1	305	334	0	0	292	0	0	0	0	0	0
500	55	0	55	0	87	0	87	0	0	0	0	0	0	0	0	0	339	0	59	285	339	0	13	316	335	0	7	303	0	0	0	0	0	0
600	45	0	44	0	69	0	71	0	0	0	0	0	0	0	0	0	333	0	17	285	332	0	356	284	326	0	349	294	0	0	0	0	0	0
700	41	0	41	0	80	0	81	0	0	0	0	0	0	0	16	0	339	0	160	283	334	0	19	284	327	0	20	273	0	0	0	0	0	0
800	49	0	50	0	84	0	85	0	0	0	0	0	0	0	1	0	334	0	46	274	328	0	12	293	320	0	355	296	0	0	0	0	0	0
900	42	0	47	0	75	0	72	0	0	0	0	0	0	0	1	0	344	0	31	293	340	0	17	295	337	0	9	301	0	0	0	0	0	0
1000	63	0	65	0	92	0	93	0	0	0	0	0	303	0	356	256	302	0	352	259	309	0	344	285	302	0	328	279	0	0	0	0	0	0
1100	65	0	67	0	90	0	92	0	0	0	0	0	302	0	336	258	302	0	353	240	311	0	345	290	303	0	335	285	0	0	0	0	0	0
1200	72	0	72	0	99	0	100	0	0	0	0	0	303	0	338	274	304	0	354	260	318	0	0	287	312	0	349	281	0	0	0	0	0	0
1300	67	0	69	0	98	0	94	0	0	0	0	0	313	0	85	275	307	0	355	219	321	0	356	276	316	0	357	270	0	0	0	0	0	0
1400	63	0	64	0	83	0	84	0	0	0	0	0	309	0	355	236	324	0	172	274	322	0	359	242	319	0	27	278	0	0	0	0	0	0
1500	75	0	80	0	111	0	109	0	0	0	0	0	329	0	51	281	327	0	39	282	331	0	353	288	326	0	358	267	0	0	0	0	0	0
1600	66	0	68	0	92	0	93	0	0	0	0	0	335	0	28	295	335	0	17	282	342	0	7	322	336	0	353	317	0	0	0	0	0	0
1700	42	0	45	0	61	0	60	0	0	0	0	0	19	0	95	320	20	0	82	328	8	0	49	291	4	0	42	270	0	0	0	0	0	0
1800	48	0	49	0	63	0	63	0	0	0	0	0	34	0	67	5	33	0	62	352	24	0	66	351	20	0	65	346	0	0	0	0	0	0
1900	37	0	43	0	53	0	57	0	0	0	0	0	65	0	82	49	66	0	84	57	44	0	59	19	41	0	61	17	0	0	0	0	0	0
2000	52	0	53	0	79	0	78	0	0	0	0	0	104	0	116	88	108	0	127	83	84	0	93	78	85	0	93	77	0	0	0	0	0	0
2100	55	0	54	0	72	0	72	0	0	0	0	0	115	0	125	106	123	0	132	105	91	0	98	88	92	0	99	88	0	0	0	0	0	0
2200	54	0	53	0	75	0	76	0	0	0	0	0	120	0	133	110	127	0	149	106	100	0	109	95	102	0	112	96	0	0	0	0	0	0
2300	60	0	57	0	94	0	94	0	0	0	0	0	118	0	130	107	125	0	149	105	106	0	109	102	108	0	111	105	0	0	0	0	0	0
2400	54	0	54	0	74	0	75	0	0	0	0	0	123	0	138	109	128	0	149	105	106	0	114	99	109	0	117	100	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	433	0	428	0	460	0	455	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
200	430	0	423	0	468	0	462	0	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
300	442	0	435	0	462	0	457	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
400	475	0	468	0	475	0	469	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
500	466	0	460	0	473	0	466	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
600	462	0	455	0	473	0	468	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
700	446	0	437	0	471	0	466	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
800	462	0	455	0	471	0	466	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	213	0
900	486	0	484	0	475	0	471	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
1000	491	0	487	0	478	0	469	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
1100	514	0	509	0	475	0	471	0	320	0	320	0	38	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	513	0	507	0	469	0	466	0	320	0	320	0	-43	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	509	0	503	0	469	0	462	0	320	0	320	0	-41	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	491	0	486	0	459	0	453	0	320	0	320	0	-32	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	500	0	495	0	460	0	453	0	320	0	320	0	-41	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	466	0	460	0	448	0	441	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	446	0	439	0	442	0	437	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	428	0	421	0	439	0	432	0	320	0	320	0	9	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	403	0	392	0	432	0	426	0	320	0	320	0	31	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	406	0	396	0	428	0	423	0	320	0	320	0	22	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	405	0	397	0	426	0	421	0	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	401	0	392	0	419	0	414	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	399	0	392	0	415	0	412	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	399	0	392	0	417	0	412	0	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	57	0	58	0	102	0	103	0	0	0	0	0	139	0	162	122	145	0	190	104	135	0	141	128	138	0	143	133	0	0	0	0	0	0
200	57	0	55	0	113	0	116	0	0	0	0	0	143	0	178	111	145	0	173	82	146	0	153	141	149	0	156	144	0	0	0	0	0	0
300	56	0	52	0	128	0	133	0	0	0	0	0	148	0	186	119	150	0	191	105	154	0	157	150	157	0	160	152	0	0	0	0	0	0
400	58	0	57	0	126	0	126	0	0	0	0	0	165	0	196	125	167	0	235	120	167	0	170	164	168	0	172	166	0	0	0	0	0	0
500	54	0	55	0	111	0	116	0	0	0	0	0	160	0	196	131	162	0	198	100	166	0	168	164	167	0	170	166	0	0	0	0	0	0
600	57	0	51	0	139	0	112	0	0	0	0	0	179	0	236	125	178	0	258	120	176	0	181	174	177	0	182	176	0	0	0	0	0	0
700	51	0	45	0	153	0	125	0	0	0	0	0	178	0	264	107	178	0	256	100	185	0	206	173	184	0	200	170	0	0	0	0	0	0
800	45	0	37	0	138	0	111	0	0	0	0	0	174	0	239	94	177	0	259	102	192	0	198	182	191	0	200	183	0	0	0	0	0	0
900	53	0	42	0	103	0	84	0	0	0	0	0	189	0	264	113	191	0	262	103	191	0	212	147	193	0	215	139	0	0	0	0	0	0
1000	56	0	48	0	70	0	71	0	0	0	0	0	229	0	296	181	233	0	350	191	227	0	320	184	223	0	255	185	0	0	0	0	0	0
1100	89	0	80	0	92	0	100	0	0	0	0	0	245	0	308	219	247	0	309	213	247	0	289	229	244	0	293	221	0	0	0	0	0	0
1200	80	0	71	0	83	0	88	0	0	0	0	0	264	0	319	210	264	0	323	219	265	0	306	221	262	0	323	227	0	0	0	0	0	0
1300	48	0	44	0	58	0	61	0	0	0	0	0	291	0	359	234	290	0	353	214	302	0	348	264	295	0	335	246	0	0	0	0	0	0
1400	44	0	42	0	55	0	57	0	0	0	0	0	310	0	352	234	309	0	352	258	315	0	347	290	311	0	340	282	0	0	0	0	0	0
1500	42	0	37	0	53	0	57	0	0	0	0	0	310	0	350	235	302	0	353	239	316	0	3	289	309	0	357	286	0	0	0	0	0	0
1600	36	0	32	0	41	0	42	0	0	0	0	0	337	0	44	283	336	0	36	281	339	0	75	304	334	0	11	295	0	0	0	0	0	0
1700	23	0	20	0	22	0	23	0	0	0	0	0	355	3	45	272	4	3	61	281	352	3	47	311	348	3	45	316	0	0	0	0	0	0
1800	29	0	25	0	17	0	19	0	0	0	0	0	28	3	40	20	30	3	38	14	26	3	40	17	24	3	39	16	0	0	0	0	0	0
1900	33	0	34	0	24	0	26	0	0	0	0	0	67	0	76	53	68	0	80	56	84	3	92	69	86	3	94	70	0	0	0	0	0	0
2000	62	0	58	0	61	0	62	0	0	0	0	0	89	0	100	82	91	0	106	80	95	0	103	89	96	0	105	91	0	0	0	0	0	0
2100	74	0	69	0	81	0	82	0	0	0	0	0	104	0	108	98	105	0	125	102	101	0	105	95	103	0	107	98	0	0	0	0	0	0
2200	79	0	77	0	97	0	98	0	0	0	0	0	98	0	105	86	102	0	124	81	95	0	99	93	97	0	100	94	0	0	0	0	0	0
2300	71	0	65	0	129	0	133	0	0	0	0	0	120	0	131	115	126	0	147	105	127	0	134	117	131	0	136	121	0	0	0	0	0	0
2400	68	0	66	0	154	0	158	0	0	0	0	0	132	0	139	118	140	0	153	125	144	0	145	143	148	0	149	145	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	383	0	376	0	406	0	401	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	376	0	369	0	408	0	403	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	365	0	358	0	406	0	401	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	369	0	361	0	408	0	403	0	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	363	0	356	0	406	0	401	0	320	0	320	0	43	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	369	0	361	0	406	0	401	0	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	363	0	356	0	397	0	392	0	320	0	320	0	34	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	372	0	367	0	405	0	397	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	415	0	408	0	406	0	401	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	462	0	457	0	450	0	444	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	480	0	478	0	475	0	468	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	502	0	498	0	484	0	478	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	522	0	516	0	482	0	477	0	320	0	320	0	-43	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	529	0	523	0	486	0	480	0	320	0	320	0	-45	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	525	0	520	0	486	0	480	0	320	0	320	0	-41	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	520	0	513	0	487	0	484	0	320	0	320	0	-32	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	493	0	487	0	484	0	478	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	451	0	441	0	451	0	442	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	423	0	415	0	469	0	464	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	446	0	435	0	478	0	471	0	320	0	320	0	29	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	432	0	423	0	477	0	471	0	320	0	320	0	45	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	437	0	428	0	480	0	475	0	320	0	320	0	43	0	45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	412	0	405	0	475	0	469	0	320	0	320	0	59	0	63	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	423	0	415	0	489	0	482	0	320	0	320	0	65	0	67	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	67	0	63	0	153	0	158	0	0	0	0	0	130	0	146	117	137	0	166	105	144	0	146	142	147	0	148	144	0	0	0	0	0	0
200	70	0	70	0	149	0	154	0	0	0	0	0	125	0	137	116	131	0	151	122	139	0	143	135	142	0	150	140	0	0	0	0	0	0
300	67	0	66	0	151	0	154	0	0	0	0	0	126	0	139	113	132	0	152	103	145	0	149	141	148	0	151	144	0	0	0	0	0	0
400	76	0	67	0	125	0	128	0	0	0	0	0	113	0	121	105	118	0	127	100	137	0	145	130	141	0	148	134	0	0	0	0	0	0
500	94	0	82	0	144	0	146	0	0	0	0	0	115	0	121	104	122	0	146	101	132	0	135	124	135	0	140	129	0	0	0	0	0	0
600	78	0	72	0	148	0	153	0	0	0	0	0	127	0	150	106	132	0	175	82	141	0	149	133	144	0	151	129	0	0	0	0	0	0
700	84	0	82	0	135	0	144	0	0	0	0	0	123	0	141	112	128	0	150	103	140	0	146	132	143	0	151	135	0	0	0	0	0	0
800	87	0	84	0	130	0	143	0	0	0	0	0	122	0	145	100	126	0	148	91	139	0	146	127	143	0	152	133	0	0	0	0	0	0
900	84	0	85	0	144	0	149	0	0	0	0	0	124	0	153	100	130	0	167	81	139	0	150	123	142	0	154	127	0	0	0	0	0	0
1000	86	0	84	0	126	0	129	0	0	0	0	0	125	0	155	99	132	0	217	101	136	0	165	108	139	0	156	110	0	0	0	0	0	0
1100	63	0	59	0	93	0	101	0	0	0	0	0	129	0	209	92	130	0	172	79	139	0	163	113	142	0	168	107	0	0	0	0	0	0
1200	46	0	42	0	57	0	62	0	0	0	0	0	117	0	152	81	121	0	169	81	130	0	149	102	134	0	151	117	0	0	0	0	0	0
1300	60	0	56	0	69	0	76	0	0	0	0	0	111	0	132	72	116	0	147	58	110	0	129	63	113	0	131	76	0	0	0	0	0	0
1400	104	0	102	0	139	0	146	0	0	0	0	0	114	0	138	89	122	0	169	79	124	0	141	104	125	0	147	109	0	0	0	0	0	0
1500	76	0	76	0	116	0	120	0	0	0	0	0	124	0	175	107	130	0	171	85	134	0	148	112	136	0	155	118	0	0	0	0	0	0
1600	94	0	93	0	144	0	160	0	0	0	0	0	131	0	168	290	134	0	172	101	143	0	175	127	146	0	168	130	0	0	0	0	0	0
1700	70	0	67	0	127	0	133	0	0	0	0	0	139	0	171	102	144	0	195	101	157	0	174	135	159	0	177	138	0	0	0	0	0	0
1800	68	0	63	0	121	0	123	0	0	0	0	0	151	0	195	106	154	0	217	104	163	0	183	143	166	0	179	154	0	0	0	0	0	0
1900	57	0	47	0	118	0	98	0	0	0	0	0	186	0	266	113	185	0	246	102	186	0	224	157	186	0	214	166	0	0	0	0	0	0
2000	85	0	71	0	132	0	121	0	0	0	0	0	221	0	265	174	222	0	285	191	214	0	251	187	214	0	242	186	0	0	0	0	0	0
2100	94	0	87	0	143	0	150	0	0	0	0	0	234	0	264	196	234	0	275	192	230	0	262	193	229	0	251	201	0	0	0	0	0	0
2200	102	0	97	0	174	0	184	0	0	0	0	0	234	0	263	191	233	0	265	147	234	0	264	214	231	0	254	206	0	0	0	0	0	0
2300	124	0	123	0	180	0	191	0	0	0	0	0	240	0	265	214	242	0	263	194	237	0	261	219	234	0	261	209	0	0	0	0	0	0
2400	134	0	133	0	210	0	225	0	0	0	0	0	244	0	269	198	244	0	282	213	245	0	257	227	242	0	253	230	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	417	0	408	0	475	0	469	0	320	0	320	0	59	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	426	0	419	0	480	0	475	0	320	0	320	0	54	0	56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	421	0	414	0	460	0	455	0	320	0	320	0	40	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	410	0	403	0	457	0	451	0	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	414	0	408	0	444	0	439	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	419	0	412	0	433	0	426	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	424	0	419	0	433	0	426	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	437	0	433	0	446	0	435	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	455	0	448	0	457	0	450	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	484	0	480	0	478	0	473	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	496	0	493	0	489	0	480	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	514	0	509	0	504	0	498	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	520	0	520	0	518	0	505	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	513	0	507	0	500	0	493	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	500	0	495	0	491	0	484	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1600	502	0	495	0	496	0	487	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1700	518	0	513	0	509	0	502	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1800	529	0	523	0	520	0	514	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900	541	0	536	0	532	0	527	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2000	567	0	559	0	559	0	554	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2100	577	0	572	0	572	0	567	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2200	586	0	581	0	581	0	576	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2300	595	0	590	0	590	0	585	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2400	585	0	579	0	586	0	581	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	MIN MAX DIR2 50 B S	MIN MAX DIR3 150A S	MIN MAX DIR4 150B S	MIN MAX DIR5 S	MIN MAX DIR6 S
100	169 0	171 0	241 0	252 0	0 0	0 0	264 0	286 244	265 0 306 236	266 0 282 255	263 0 283 254	0 0 0 0 0 0
200	117 0	116 0	184 0	195 0	0 0	0 0	258 0	280 232	257 0 288 217	261 0 274 245	258 0 267 241	0 0 0 0 0 0
300	118 0	113 0	178 0	188 0	0 0	0 0	246 0	270 221	244 0 282 197	252 0 257 244	248 0 256 235	0 0 0 0 0 0
400	121 0	121 0	191 0	201 0	0 0	0 0	248 0	271 223	249 0 285 216	250 0 257 241	248 0 256 231	0 0 0 0 0 0
500	121 0	116 0	153 0	158 0	0 0	0 0	268 0	306 236	265 0 329 217	278 0 320 250	274 0 318 243	0 0 0 0 0 0
600	154 0	154 0	173 0	183 0	0 0	0 0	267 0	290 244	266 0 308 236	269 0 281 248	266 0 286 254	0 0 0 0 0 0
700	111 0	112 0	159 0	168 0	0 0	0 0	264 0	297 232	261 0 307 218	262 0 275 219	259 0 267 236	0 0 0 0 0 0
800	182 0	170 0	212 0	222 0	0 0	0 0	267 0	283 255	265 0 308 236	269 0 284 256	266 0 279 239	0 0 0 0 0 0
900	193 0	186 0	216 0	226 0	0 0	0 0	265 0	276 245	263 0 287 222	269 0 296 247	266 0 292 254	0 0 0 0 0 0
1000	193 0	195 0	221 0	230 0	0 0	0 0	266 0	287 237	263 0 286 219	269 0 300 256	266 0 286 247	0 0 0 0 0 0
1100	167 0	166 0	205 0	215 0	0 0	0 0	264 0	281 244	262 0 328 216	264 0 273 251	261 0 269 250	0 0 0 0 0 0
1200	152 0	154 0	174 0	184 0	0 0	0 0	267 0	283 245	267 0 304 240	265 0 276 252	262 0 272 252	0 0 0 0 0 0
1300	93 0	86 0	130 0	136 0	0 0	0 0	257 0	283 212	257 0 305 197	257 0 278 232	255 0 279 220	0 0 0 0 0 0
1400	91 0	91 0	94 0	100 0	0 0	0 0	262 0	290 228	261 0 305 236	268 0 299 248	265 0 276 250	0 0 0 0 0 0
1500	50 0	49 0	56 0	60 0	0 0	0 0	243 0	278 208	243 0 281 194	247 0 262 222	245 0 257 227	0 0 0 0 0 0
1600	32 0	25 0	42 0	41 0	0 0	0 0	219 0	263 166	220 3 263 146	215 0 241 171	215 0 256 178	0 0 0 0 0 0
1700	18 0	18 0	34 0	36 0	0 0	0 0	145 0	264 93	145 3 262 101	157 0 179 128	159 0 185 133	0 0 0 0 0 0
1800	37 0	38 0	79 0	83 0	0 0	0 0	138 0	173 106	142 0 173 81	160 0 174 136	162 0 174 148	0 0 0 0 0 0
1900	38 0	38 0	85 0	80 0	0 0	0 0	148 0	220 96	155 0 240 105	170 0 199 144	171 0 202 149	0 0 0 0 0 0
2000	42 0	36 0	102 0	87 0	0 0	0 0	173 0	238 112	178 0 240 102	187 0 222 167	187 0 211 167	0 0 0 0 0 0
2100	56 0	46 0	125 0	105 0	0 0	0 0	187 0	241 116	193 0 263 105	191 0 218 167	190 0 220 167	0 0 0 0 0 0
2200	60 0	55 0	118 0	101 0	0 0	0 0	173 0	211 114	173 0 237 110	182 0 216 143	183 0 205 151	0 0 0 0 0 0
2300	64 0	59 0	123 0	113 0	0 0	0 0	167 0	267 98	170 0 238 101	178 0 204 148	178 0 207 147	0 0 0 0 0 0
2400	55 0	49 0	118 0	107 0	0 0	0 0	163 0	269 93	171 0 262 101	176 0 206 134	178 0 220 143	0 0 0 0 0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	579 0	574 0	577 0	572 0	320 0	320 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
200	574 0	568 0	570 0	567 0	320 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
300	559 0	554 0	556 0	550 0	320 0	320 0	-2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
400	565 0	559 0	561 0	558 0	320 0	320 0	-2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
500	559 0	554 0	550 0	545 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
600	552 0	545 0	541 0	536 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
700	541 0	536 0	534 0	527 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
800	536 0	531 0	529 0	522 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	532 0	527 0	523 0	516 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1000	529 0	523 0	516 0	511 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1100	525 0	518 0	513 0	507 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1200	527 0	522 0	513 0	507 0	320 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1300	534 0	529 0	520 0	514 0	320 0	320 0	-14 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1400	538 0	532 0	527 0	522 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1500	538 0	532 0	527 0	522 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1600	541 0	536 0	529 0	523 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1700	550 0	545 0	540 0	534 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1800	550 0	543 0	545 0	540 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
1900	556 0	550 0	556 0	550 0	320 0	320 0	0 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2000	570 0	565 0	568 0	563 0	320 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2100	583 0	576 0	581 0	577 0	320 0	320 0	0 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2200	595 0	590 0	594 0	588 0	320 0	320 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2300	608 0	601 0	603 0	599 0	320 0	320 0	-4 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
2400	612 0	604 0	606 0	601 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0

STATUS C[illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1 MIN 50 B S			WIND DIR2 MIN 150A S			WIND DIR3 MIN 150B S			WIND DIR4 MIN S			WIND DIR5 MIN S			WIND DIR6 MIN S		
100	60	0	57	0	136	0	118	0	0	0	0	0	166	0	248	114	165	0	218	105	178	0	203	160	178	0	202	155	0	0	0	0	0	0
200	71	0	62	0	159	0	137	0	0	0	0	0	190	0	263	110	189	0	262	104	194	0	225	165	193	0	223	158	0	0	0	0	0	0
300	74	0	62	0	148	0	127	0	0	0	0	0	190	0	245	104	196	0	262	105	194	0	217	155	195	0	215	163	0	0	0	0	0	0
400	65	0	58	0	139	0	119	0	0	0	0	0	197	0	269	125	191	0	260	102	194	0	229	162	193	0	233	149	0	0	0	0	0	0
500	63	0	56	0	137	0	114	0	0	0	0	0	175	0	233	110	176	0	239	101	184	0	208	153	185	0	212	160	0	0	0	0	0	0
600	65	0	51	0	121	0	105	0	0	0	0	0	197	0	245	147	200	0	263	105	200	0	225	182	199	0	219	178	0	0	0	0	0	0
700	82	0	68	0	155	0	133	0	0	0	0	0	201	0	269	106	206	0	262	124	201	0	227	170	200	0	224	168	0	0	0	0	0	0
800	110	0	86	0	173	0	153	0	0	0	0	0	212	0	262	150	211	0	263	146	203	0	228	168	205	0	228	165	0	0	0	0	0	0
900	80	0	67	0	157	0	131	0	0	0	0	0	196	0	269	110	195	0	260	104	197	0	245	158	197	0	222	144	0	0	0	0	0	0
1000	84	0	71	0	166	0	143	0	0	0	0	0	196	0	241	119	201	0	263	127	196	0	239	141	195	0	242	138	0	0	0	0	0	0
1100	88	0	73	0	157	0	133	0	0	0	0	0	203	0	268	103	202	0	263	102	196	0	228	147	198	0	234	146	0	0	0	0	0	0
1200	103	0	86	0	171	0	150	0	0	0	0	0	203	0	254	139	206	0	263	102	200	0	241	150	199	0	233	156	0	0	0	0	0	0
1300	108	0	94	0	166	0	152	0	0	0	0	0	224	0	353	184	223	0	265	169	213	0	255	172	214	0	245	168	0	0	0	0	0	0
1400	143	0	125	0	218	0	201	0	0	0	0	0	218	0	254	171	219	0	263	151	214	0	239	192	213	0	241	182	0	0	0	0	0	0
1500	104	0	87	0	168	0	149	0	0	0	0	0	214	0	269	124	216	0	264	141	209	0	242	172	209	0	253	158	0	0	0	0	0	0
1600	110	0	93	0	191	0	165	0	0	0	0	0	209	0	269	138	206	0	263	131	199	0	230	144	199	0	235	149	0	0	0	0	0	0
1700	101	0	87	0	203	0	174	0	0	0	0	0	211	0	264	155	210	0	263	104	204	0	228	168	206	0	231	174	0	0	0	0	0	0
1800	116	0	97	0	186	0	166	0	0	0	0	0	209	0	264	140	210	0	263	146	204	0	246	165	204	0	231	175	0	0	0	0	0	0
1900	106	0	85	0	191	0	168	0	0	0	0	0	202	0	254	128	202	0	263	116	200	0	226	162	199	0	225	156	0	0	0	0	0	0
2000	101	0	86	0	180	0	153	0	0	0	0	0	202	0	254	147	208	0	263	104	195	0	225	154	195	0	219	150	0	0	0	0	0	0
2100	99	0	84	0	191	0	162	0	0	0	0	0	203	0	246	102	202	0	263	124	200	0	241	175	201	0	224	166	0	0	0	0	0	0
2200	107	0	88	0	229	0	192	0	0	0	0	0	197	0	247	134	200	0	264	104	194	0	218	143	195	0	228	158	0	0	0	0	0	0
2300	176	0	147	0	269	0	241	0	0	0	0	0	217	0	258	156	219	0	263	147	211	0	243	164	212	0	262	163	0	0	0	0	0	0
2400	165	0	148	0	243	0	239	0	0	0	0	0	228	0	269	185	234	0	286	172	221	0	271	186	221	0	247	193	0	0	0	0	0	0

	AMB. TEM1 -30 A-S		AMB. TEM2 -30 B S		AMB. TEM3 -180A S		AMB. TEM4 -180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 -180A S		D.T. 2 -180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	617	0	612	0	613	0	608	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	633	0	630	0	639	0	630	0	320	0	320	0	5	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
300	633	0	628	0	635	0	630	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
400	639	0	631	0	642	0	635	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
500	635	0	630	0	639	0	633	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
600	640	0	633	0	644	0	637	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
700	646	0	640	0	649	0	642	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
800	745	2	739	2	738	2	730	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
900	667	0	662	0	658	0	653	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
1000	669	0	664	0	660	0	655	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
1100	696	0	691	0	680	0	675	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
1200	720	0	716	0	703	0	698	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
1300	734	0	727	0	721	0	716	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
1400	738	0	732	0	727	0	720	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
1500	745	0	739	0	734	0	727	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
1600	743	0	738	0	736	0	729	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
1700	732	0	727	0	729	0	721	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
1800	729	0	725	0	727	0	718	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
1900	711	0	707	0	709	0	702	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
2000	700	0	693	0	696	0	689	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
2100	648	0	640	0	651	0	646	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2200	662	0	657	0	664	0	656	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2300	691	0	685	0	689	0	682	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2400	694	0	689	0	689	0	682	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	MIN 50 B S	MAX 50 B S	WIND DIR2	MIN 150A S	MAX 150A S	WIND DIR3	MIN 150B S	MAX 150B S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6
100	181 0	176 0	277 0	287 0	0 0	0 0	236 0	260	188	235 0	262	192	233 0	253	197	231 0	246	200	0 0	0	0	0
200	164 0	158 0	264 0	282 0	0 0	0 0	238 0	271	188	238 0	285	191	240 0	262	214	235 0	261	212	0 0	0	0	0
300	161 0	160 0	257 0	273 0	0 0	0 0	240 0	264	177	241 0	283	214	243 0	259	210	240 0	254	225	0 0	0	0	0
400	136 0	133 0	225 0	237 0	0 0	0 0	237 0	265	199	237 0	282	192	242 0	267	224	239 0	253	216	0 0	0	0	0
500	159 0	158 0	208 0	216 0	0 0	0 0	268 0	291	247	266 0	307	236	278 0	314	251	272 0	297	231	0 0	0	0	0
600	158 0	150 0	218 0	221 0	0 0	0 0	305 0	325	287	305 0	353	259	314 0	327	302	307 0	317	298	0 0	0	0	0
700	131 0	128 0	179 0	179 0	0 0	0 0	315 0	349	279	314 0	352	263	324 0	346	293	318 0	341	284	0 0	0	0	0
800	135 0	133 0	191 0	192 0	0 0	0 0	329 0	21	292	328 0	39	284	334 0	353	317	328 0	353	302	0 0	0	0	0
900	123 0	118 0	178 0	177 0	0 0	0 0	331 0	0	282	329 0	15	285	338 0	14	311	332 0	8	303	0 0	0	0	0
1000	122 0	114 0	177 0	170 0	0 0	0 0	338 0	31	300	337 0	42	285	342 0	18	310	338 0	355	317	0 0	0	0	0
1100	98 0	88 0	153 0	151 0	0 0	0 0	352 0	61	306	349 0	84	305	357 0	33	317	354 0	51	308	0 0	0	0	0
1200	74 0	74 0	112 0	111 0	0 0	0 0	15 0	88	305	17 0	105	307	11 0	50	333	7 0	55	329	0 0	0	0	0
1300	82 0	84 0	120 0	120 0	0 0	0 0	27 0	74	307	25 0	84	283	14 0	52	325	10 0	51	324	0 0	0	0	0
1400	98 0	96 0	134 0	130 0	0 0	0 0	24 0	61	335	26 0	81	327	14 0	42	329	11 0	47	317	0 0	0	0	0
1500	92 0	94 0	128 0	124 0	0 0	0 0	29 0	71	322	27 0	61	328	21 0	46	328	17 0	45	322	0 0	0	0	0
1600	78 0	74 0	115 0	116 0	0 0	0 0	17 0	78	317	17 0	128	305	9 0	43	333	3 0	47	309	0 0	0	0	0
1700	80 0	78 0	115 0	111 0	0 0	0 0	27 0	78	345	22 0	62	328	14 0	61	343	10 0	48	337	0 0	0	0	0
1800	85 0	84 0	112 0	110 0	0 0	0 0	29 0	66	350	28 0	102	329	20 0	49	347	17 0	44	342	0 0	0	0	0
1900	76 0	74 0	112 0	109 0	0 0	0 0	25 0	69	338	22 0	61	330	12 0	54	339	8 0	50	329	0 0	0	0	0
2000	78 0	73 0	119 0	117 0	0 0	0 0	27 0	79	347	25 0	80	349	18 0	58	337	15 0	61	335	0 0	0	0	0
2100	97 0	92 0	133 0	130 0	0 0	0 0	24 0	60	351	23 0	61	350	17 0	40	354	14 0	43	344	0 0	0	0	0
2200	83 0	79 0	123 0	119 0	0 0	0 0	28 0	76	357	26 0	84	331	21 0	52	351	17 0	50	346	0 0	0	0	0
2300	93 0	86 0	123 0	119 0	0 0	0 0	26 0	81	356	22 0	80	331	21 0	44	335	17 0	43	347	0 0	0	0	0
2400	62 0	64 0	82 0	84 0	0 0	0 0	49 0	91	8	47 0	104	328	47 0	96	8	44 0	93	358	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	669 0	664 0	669 0	664 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
200	640 0	635 0	649 0	644 0	320 0	320 0	9 0	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
300	631 0	626 0	642 0	637 0	320 0	320 0	11 0	11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
400	624 0	619 0	630 0	624 0	320 0	320 0	7 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
500	603 0	595 0	601 0	595 0	320 0	320 0	0 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
600	572 0	567 0	563 0	558 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
700	540 0	534 0	527 0	523 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
800	522 0	516 0	513 0	507 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
900	516 0	511 0	504 0	498 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
1000	511 0	505 0	493 0	487 0	320 0	320 0	-18 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
1100	504 0	496 0	482 0	477 0	320 0	320 0	-20 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
1200	516 0	511 0	486 0	480 0	320 0	320 0	-29 0	-29 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
1300	496 0	491 0	477 0	473 0	320 0	320 0	-18 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
1400	491 0	486 0	475 0	469 0	320 0	320 0	-16 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
1500	478 0	475 0	466 0	460 0	320 0	320 0	-13 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
1600	475 0	469 0	466 0	459 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
1700	471 0	466 0	460 0	457 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
1800	468 0	460 0	457 0	451 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
1900	466 0	459 0	457 0	451 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
2000	464 0	457 0	455 0	450 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
2100	464 0	457 0	457 0	451 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
2200	466 0	459 0	459 0	453 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
2300	469 0	464 0	460 0	457 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0
2400	469 0	464 0	462 0	457 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	6 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1	MIN 50 B S	MAX	WIND DIR2	MIN 150A S	MAX	WIND DIR3	MIN 150B S	MAX	WIND DIR4	MIN S	MAX	WIND DIR5	MIN S	MAX	WIND DIR6
100	61	0	61	0	73	0	85	0	0	0	0	0	77	0	103	48	78	0	126	36	66	0	88	43	87	0	93	34	0	0	0	0	0	0	
200	58	0	65	0	85	0	98	0	0	0	0	0	58	0	85	36	37	0	103	14	53	0	71	40	52	0	65	33	0	0	0	0	0	0	
300	60	0	67	0	94	0	107	0	0	0	0	0	52	0	71	33	52	0	85	16	47	0	57	39	47	0	65	31	0	0	0	0	0	0	
400	62	0	59	0	74	0	77	0	0	0	0	0	117	0	150	77	122	0	150	78	123	0	164	74	125	0	183	88	0	0	0	0	0	0	
500	51	0	53	0	82	0	99	0	0	0	0	0	74	0	94	47	78	0	105	39	67	0	84	56	67	0	79	59	0	0	0	0	0	0	
600	58	0	65	0	98	0	113	0	0	0	0	0	64	0	74	55	64	0	84	57	59	0	67	50	60	0	65	53	0	0	0	0	0	0	
700	75	0	72	0	128	0	131	0	0	0	0	0	91	0	109	79	94	0	108	77	78	0	85	69	78	0	83	70	0	0	0	0	0	0	
800	74	0	70	0	135	0	136	0	0	0	0	0	101	0	116	79	103	0	128	79	98	0	107	92	99	0	107	93	0	0	0	0	0	0	
900	87	0	85	0	98	0	102	0	0	0	0	0	115	0	132	93	122	0	140	102	115	0	139	102	117	0	133	94	0	0	0	0	0	0	
1000	49	0	46	0	57	0	60	0	0	0	0	0	101	0	138	60	107	0	148	35	109	0	148	84	110	0	146	77	0	0	0	0	0	0	
1100	51	0	51	0	54	0	57	0	0	0	0	0	108	0	153	55	115	0	169	59	110	0	138	68	112	0	150	67	0	0	0	0	0	0	
1200	77	0	77	0	89	0	93	0	0	0	0	0	118	0	160	80	125	0	173	81	127	0	159	101	130	0	168	103	0	0	0	0	0	0	
1300	49	0	50	0	68	0	69	0	0	0	0	0	137	0	227	91	131	0	173	56	141	0	189	99	142	0	191	95	0	0	0	0	0	0	
1400	44	0	43	0	59	0	61	0	0	0	0	0	136	0	199	95	145	0	239	101	153	0	268	110	154	0	195	104	0	0	0	0	0	0	
1500	55	0	54	0	62	0	65	0	0	0	0	0	324	0	5	270	321	0	353	216	337	0	359	311	331	0	350	286	0	0	0	0	0	0	
1600	62	0	61	0	74	0	75	0	0	0	0	0	19	0	51	295	16	0	58	283	8	0	43	336	5	0	54	326	0	0	0	0	0	0	
1700	37	0	37	0	54	0	55	0	0	0	0	0	35	0	74	357	36	0	84	350	25	0	70	355	22	0	56	347	0	0	0	0	0	0	
1800	57	0	53	0	80	0	80	0	0	0	0	0	87	0	104	77	88	0	104	79	85	0	94	77	86	0	95	77	0	0	0	0	0	0	
1900	74	0	70	0	134	0	137	0	0	0	0	0	123	0	135	115	129	0	148	124	139	0	142	128	143	0	146	132	0	0	0	0	0	0	
2000	69	0	63	0	122	0	124	0	0	0	0	0	116	0	122	111	125	0	148	105	131	0	134	128	135	0	136	132	0	0	0	0	0	0	
2100	66	0	67	0	150	0	154	0	0	0	0	0	125	0	142	105	133	0	150	103	146	0	150	139	150	0	155	145	0	0	0	0	0	0	
2200	59	0	60	0	139	0	145	0	0	0	0	0	131	0	158	112	137	0	172	103	151	0	157	139	154	0	159	143	0	0	0	0	0	0	
2300	72	0	73	0	145	0	147	0	0	0	0	0	127	0	142	115	133	0	168	105	142	0	149	135	145	0	152	132	0	0	0	0	0	0	
2400	92	0	97	0	178	0	180	0	0	0	0	0	126	0	141	110	131	0	150	101	140	0	146	134	144	0	149	136	0	0	0	0	0	0	

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	430	0	423	0	426	0	423	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
200	406	0	397	0	412	0	406	0	320	0	320	0	5	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
300	385	0	378	0	394	0	388	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
400	520	0	513	0	509	0	505	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
500	361	0	352	0	387	0	381	0	320	0	320	0	25	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
600	358	0	349	0	381	0	378	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
700	356	0	349	0	376	0	370	0	320	0	320	0	20	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
800	360	0	352	0	365	0	360	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
900	403	0	397	0	394	0	388	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1000	469	0	466	0	455	0	450	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1100	514	0	511	0	496	0	493	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1200	540	0	534	0	523	0	520	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1300	583	0	579	0	554	0	550	0	320	0	320	0	-29	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1400	608	0	604	0	579	0	574	0	320	0	320	0	-29	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1500	594	0	586	0	550	0	547	0	320	0	320	0	-41	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1600	559	0	554	0	536	0	531	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1700	540	0	532	0	527	0	522	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1800	511	0	502	0	541	0	536	0	320	0	320	0	32	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1900	514	0	507	0	559	0	554	0	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2000	514	0	507	0	545	0	540	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2100	498	0	489	0	527	0	522	0	320	0	320	0	31	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2200	484	0	477	0	509	0	504	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2300	471	0	464	0	487	0	482	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2400	460	0	453	0	473	0	468	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		MIN	MAX	WIND DIR2		MIN	MAX	WIND DIR3		MIN	MAX	WIND DIR4		MIN	MAX	WIND DIR5		MIN	MAX	WIND DIR6	
													50 B	S							150A	S			150B	S			S				S	
100	78	0	82	0	148	0	152	0	0	0	0	0	125	0	147	109	130	0	172	103	143	0	151	133	147	0	153	136	0	0	0	0	0	0
200	92	0	95	0	168	0	173	0	0	0	0	0	125	0	141	108	127	0	169	82	143	0	153	134	146	0	155	140	0	0	0	0	0	0
300	93	0	94	0	186	0	194	0	0	0	0	0	125	0	144	107	132	0	171	101	145	0	150	136	148	0	154	138	0	0	0	0	0	0
400	91	0	95	0	183	0	191	0	0	0	0	0	131	0	152	112	134	0	168	103	151	0	161	143	154	0	160	144	0	0	0	0	0	0
500	82	0	79	0	149	0	152	0	0	0	0	0	142	0	196	101	145	0	195	100	157	0	173	139	159	0	185	138	0	0	0	0	0	0
600	59	0	53	0	129	0	119	0	0	0	0	0	164	0	262	103	169	0	257	100	172	0	197	135	173	0	196	142	0	0	0	0	0	0
700	59	0	54	0	121	0	103	0	0	0	0	0	179	0	261	127	176	0	261	100	182	0	203	148	183	0	209	150	0	0	0	0	0	0
800	53	0	48	0	113	0	97	0	0	0	0	0	173	0	232	95	181	0	263	104	185	0	222	152	185	0	240	158	0	0	0	0	0	0
900	49	0	41	0	101	0	87	0	0	0	0	0	199	0	267	130	201	0	260	115	198	0	221	161	197	0	217	158	0	0	0	0	0	0
1000	24	0	21	0	58	0	52	0	0	0	0	0	197	3	269	99	203	3	263	123	196	0	238	141	196	0	236	145	0	0	0	0	0	0
1100	66	0	62	0	92	0	97	0	0	0	0	0	241	0	283	190	242	0	286	213	233	0	265	201	232	0	259	201	0	0	0	0	0	0
1200	110	0	108	0	167	0	176	0	0	0	0	0	260	0	295	218	259	0	308	194	259	0	275	243	257	0	275	209	0	0	0	0	0	0
1300	109	0	106	0	167	0	175	0	0	0	0	0	251	0	279	220	253	0	303	215	256	0	283	235	254	0	276	229	0	0	0	0	0	0
1400	98	0	96	0	153	0	162	0	0	0	0	0	253	0	280	226	252	0	291	195	258	0	290	230	256	0	281	233	0	0	0	0	0	0
1500	149	0	143	0	219	0	214	0	0	0	0	0	314	0	350	279	315	0	37	282	327	0	16	302	321	0	358	296	0	0	0	0	0	0
1600	143	0	142	0	193	0	195	0	0	0	0	0	307	0	332	272	304	0	331	281	316	0	328	302	310	0	328	299	0	0	0	0	0	0
1700	121	0	116	0	177	0	176	0	0	0	0	0	330	0	65	288	330	0	82	281	335	0	355	291	331	0	11	303	0	0	0	0	0	0
1800	92	0	88	0	125	0	125	0	0	0	0	0	317	0	350	275	318	0	13	281	329	0	356	301	324	0	348	292	0	0	0	0	0	0
1900	65	0	61	0	91	0	92	0	0	0	0	0	326	0	7	273	327	0	105	281	331	0	5	302	326	0	3	300	0	0	0	0	0	0
2000	113	0	113	0	165	0	162	0	0	0	0	0	339	0	10	294	339	0	35	304	340	0	10	316	336	0	357	312	0	0	0	0	0	0
2100	116	0	109	0	167	0	162	0	0	0	0	0	28	0	69	1	26	0	84	350	19	0	42	351	14	0	51	343	0	0	0	0	0	0
2200	104	0	101	0	144	0	140	0	0	0	0	0	32	0	70	8	30	0	60	353	22	0	52	358	20	0	46	347	0	0	0	0	0	0
2300	115	0	107	0	150	0	148	0	0	0	0	0	33	0	62	4	30	0	84	352	25	0	49	7	22	0	56	341	0	0	0	0	0	0
2400	82	0	81	0	107	0	120	0	0	0	0	0	74	0	101	38	72	0	128	35	69	0	98	43	69	0	98	39	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	453	0	446	0	460	0	453	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
200	446	0	439	0	455	0	450	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
300	446	0	441	0	457	0	451	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
400	453	0	446	0	462	0	457	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
500	480	0	475	0	477	0	473	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
600	493	0	487	0	486	0	480	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
700	496	0	489	0	493	0	487	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
800	502	0	496	0	496	0	489	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
900	522	0	514	0	509	0	504	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1000	550	0	545	0	532	0	527	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1100	565	0	559	0	550	0	545	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1200	547	0	540	0	534	0	529	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1300	543	0	538	0	531	0	525	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1400	543	0	538	0	532	0	525	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1500	523	0	518	0	509	0	505	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1600	514	0	509	0	507	0	502	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1700	523	0	516	0	511	0	507	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1800	520	0	514	0	511	0	505	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
1900	522	0	514	0	518	0	513	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2000	527	0	522	0	518	0	513	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2100	504	0	498	0	500	0	495	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2200	500	0	495	0	496	0	491	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2300	493	0	487	0	487	0	482	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0
2400	473	0	466	0	468	0	462	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR OCTOBER 31, 1984

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	77	0	79	0	98	0	116	0	0	0	0	0	71	0	97	50	72	0	105	36	61	0	87	39	61	0	93	38	0	0	0	0	0	0
200	87	0	88	0	114	0	134	0	0	0	0	0	73	0	94	36	69	0	102	33	62	0	80	43	62	0	81	38	0	0	0	0	0	0
300	101	0	94	0	132	0	141	0	0	0	0	0	84	0	100	67	85	0	124	56	72	0	94	56	74	0	99	54	0	0	0	0	0	0
400	118	0	115	0	155	0	156	0	0	0	0	0	89	0	121	65	92	0	129	57	82	0	102	64	85	0	112	84	0	0	0	0	0	0
500	105	0	93	0	162	0	163	0	0	0	0	0	100	0	120	81	105	0	149	80	95	0	113	80	98	0	125	85	0	0	0	0	0	0
600	122	0	108	0	171	0	170	0	0	0	0	0	105	0	122	86	108	0	147	81	97	0	113	82	101	0	115	87	0	0	0	0	0	0
700	118	0	109	0	179	0	178	0	0	0	0	0	105	0	120	88	111	0	145	79	101	0	111	91	105	0	116	92	0	0	0	0	0	0
800	122	0	117	0	150	0	157	0	0	0	0	0	112	0	133	91	117	0	147	81	113	0	134	89	117	0	144	94	0	0	0	0	0	0
900	156	0	147	0	200	0	202	0	0	0	0	0	113	0	132	90	119	0	147	83	112	0	137	91	116	0	133	95	0	0	0	0	0	0
1000	139	0	130	0	176	0	180	0	0	0	0	0	113	0	138	79	118	0	161	33	113	0	128	85	117	0	138	92	0	0	0	0	0	0
1100	129	0	126	0	160	0	174	0	0	0	0	0	119	0	143	101	125	0	164	80	125	0	149	109	130	0	154	109	0	0	0	0	0	0
1200	131	0	127	0	162	0	173	0	0	0	0	0	120	0	146	96	127	0	150	102	125	0	142	101	129	0	141	108	0	0	0	0	0	0
1300	166	0	157	0	203	0	211	0	0	0	0	0	116	0	131	97	121	0	149	81	117	0	132	101	123	0	147	107	0	0	0	0	0	0
1400	166	0	166	0	197	0	212	0	0	0	0	0	117	0	136	104	126	0	154	101	125	0	144	105	132	0	153	113	0	0	0	0	0	0
1500	176	0	178	0	242	0	252	0	0	0	0	0	123	0	147	108	130	0	182	103	130	0	143	114	137	0	153	124	0	0	0	0	0	0
1600	155	0	158	0	231	0	237	0	0	0	0	0	124	0	143	102	128	0	169	82	132	0	148	115	138	0	153	120	0	0	0	0	0	0
1700	129	0	130	0	203	0	205	0	0	0	0	0	127	0	153	103	130	0	171	102	138	0	152	114	145	0	159	129	0	0	0	0	0	0
1800	152	0	149	0	215	0	224	0	0	0	0	0	124	0	143	106	129	0	167	101	132	0	144	118	137	0	155	124	0	0	0	0	0	0
1900	151	0	154	0	229	0	232	0	0	0	0	0	125	0	140	104	134	0	168	100	136	0	147	119	142	0	157	122	0	0	0	0	0	0
2000	139	0	141	0	237	0	241	0	0	0	0	0	131	0	154	110	134	0	171	80	141	0	165	124	145	0	162	128	0	0	0	0	0	0
2100	124	0	125	0	209	0	213	0	0	0	0	0	129	0	154	110	137	0	172	104	142	0	158	120	146	0	167	127	0	0	0	0	0	0
2200	125	0	127	0	209	0	214	0	0	0	0	0	130	0	155	109	137	0	169	103	141	0	153	123	146	0	159	133	0	0	0	0	0	0
2300	111	0	112	0	192	0	199	0	0	0	0	0	130	0	154	107	137	0	171	100	145	0	161	123	150	0	162	132	0	0	0	0	0	0
2400	115	0	112	0	211	0	217	0	0	0	0	0	142	0	168	118	143	0	191	90	156	0	178	132	160	0	178	136	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	432	0	424	0	439	0	432	0	320	0	320	0	2	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	6	0
200	417	0	408	0	423	0	415	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	6	0
300	403	0	394	0	405	0	399	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	6	0
400	388	0	381	0	390	0	383	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	6	0
500	379	0	372	0	385	0	379	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	5	0
600	378	0	370	0	376	0	370	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	6	0
700	370	0	365	0	374	0	365	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	6	0
800	387	0	379	0	381	0	376	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	6	0
900	406	0	401	0	401	0	394	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	6	0
1000	428	0	423	0	423	0	417	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	6	0
1100	441	0	435	0	433	0	426	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	6	0
1200	442	0	437	0	439	0	432	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	8	0
1300	444	0	437	0	439	0	432	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	13	0
1400	450	0	442	0	444	0	437	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	20	0
1500	459	0	451	0	453	0	446	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	23	0
1600	466	0	460	0	462	0	455	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	25	0
1700	475	0	469	0	473	0	466	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	30	0
1800	484	0	478	0	482	0	475	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	32	0
1900	496	0	489	0	491	0	486	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	32	0
2000	505	0	500	0	505	0	498	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	32	0
2100	516	0	511	0	514	0	507	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	32	0
2200	525	0	520	0	522	0	516	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	32	0
2300	540	0	534	0	538	0	531	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	32	0
2400	559	0	552	0	556	0	549	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	32	0

STATUS CODE(S) DEFINITIONS -- 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	110	0	103	0	216	0	202	0	0	0	0	0	152	0	193	109	153	0	235	102	165	0	182	135	169	0	193	149	0	0	0	0	0	0
200	108	0	97	0	216	0	184	0	0	0	0	0	167	0	228	118	167	0	238	100	176	0	205	152	179	0	200	154	0	0	0	0	0	0
300	109	0	97	0	213	0	195	0	0	0	0	0	170	0	245	130	165	0	236	103	173	0	209	146	177	0	211	144	0	0	0	0	0	0
400	110	0	116	0	234	0	197	0	0	0	0	0	170	0	244	91	176	0	233	115	180	0	206	153	182	0	215	151	0	0	0	0	0	0
500	105	0	110	0	232	0	196	0	0	0	0	0	172	0	259	100	178	0	256	102	181	0	205	148	183	0	205	161	0	0	0	0	0	0
600	127	0	124	0	262	0	215	0	0	0	0	0	177	0	265	120	187	0	261	99	186	0	207	162	188	0	214	145	0	0	0	0	0	0
700	109	0	99	0	206	0	172	0	0	0	0	0	201	0	260	114	208	0	257	126	195	0	220	160	197	0	221	162	0	0	0	0	0	0
800	160	0	163	0	263	0	264	0	0	0	0	0	244	0	294	181	230	0	269	115	226	0	267	154	227	0	266	149	0	0	0	0	0	0
900	140	0	146	0	234	0	249	0	0	0	0	0	236	0	309	182	241	0	270	209	239	0	283	211	238	0	276	220	0	0	0	0	0	0
1000	122	0	129	0	177	0	183	0	0	0	0	0	235	0	295	195	241	0	269	212	233	0	266	209	231	0	250	196	0	0	0	0	0	0
1100	142	0	152	0	252	0	266	0	0	0	0	0	237	0	278	191	236	0	259	203	234	0	267	213	231	0	258	213	0	0	0	0	0	0
1200	152	0	162	0	240	0	262	0	0	0	0	0	241	0	269	209	243	0	268	214	239	0	259	218	238	0	248	220	0	0	0	0	0	0
1300	187	0	198	0	290	0	290	0	0	0	0	0	309	0	343	247	310	0	330	272	320	0	331	291	315	0	332	282	0	0	0	0	0	0
1400	180	0	195	0	277	0	276	0	0	0	0	0	308	0	354	269	308	0	331	281	318	0	339	308	313	0	350	301	0	0	0	0	0	0
1500	194	0	211	0	276	0	285	0	0	0	0	0	309	0	348	264	308	0	340	278	319	0	338	296	314	0	332	292	0	0	0	0	0	0
1600	200	0	209	0	296	0	291	0	0	0	0	0	312	0	345	275	312	0	345	288	322	0	342	299	317	0	334	298	0	0	0	0	0	0
1700	185	0	191	0	270	0	267	0	0	0	0	0	316	0	0	277	313	0	345	275	323	0	341	299	318	0	348	294	0	0	0	0	0	0
1800	199	0	200	0	296	0	294	0	0	0	0	0	310	0	338	278	308	0	328	275	321	0	332	306	314	0	335	301	0	0	0	0	0	0
1900	211	0	220	0	300	0	294	0	0	0	0	0	315	0	351	261	315	0	352	285	325	0	342	313	319	0	336	302	0	0	0	0	0	0
2000	190	0	198	0	280	0	280	0	0	0	0	0	309	0	356	271	308	0	328	280	320	0	334	297	313	0	325	297	0	0	0	0	0	0
2100	183	0	189	0	270	0	269	0	0	0	0	0	315	0	8	271	312	0	342	286	323	0	347	308	319	0	358	305	0	0	0	0	0	0
2200	207	0	216	0	272	0	272	0	0	0	0	0	308	0	359	259	307	0	327	280	317	0	333	303	311	0	333	295	0	0	0	0	0	0
2300	193	0	202	0	274	0	272	0	0	0	0	0	314	0	356	261	312	0	349	290	323	0	345	304	317	0	342	291	0	0	0	0	0	0
2400	222	0	224	0	302	0	303	0	0	0	0	0	307	0	351	267	307	0	346	277	319	0	337	303	313	0	335	298	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	576	0	570	0	576	0	570	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	32	0
200	613	0	606	0	612	0	606	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	32	0
300	628	0	621	0	626	0	619	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	32	0
400	642	0	637	0	635	0	630	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	32	0
500	651	0	644	0	644	0	637	0	320	0	320	0	0	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	32	0
600	651	0	644	0	642	0	635	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	33	0
700	639	0	631	0	631	0	626	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	37	0
800	621	0	613	0	606	0	601	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	63	0
900	579	0	572	0	572	0	563	0	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	76	0
1000	599	0	594	0	583	0	576	0	320	0	320	0	-2	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1100	576	0	570	0	565	0	559	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1200	581	0	576	0	572	0	567	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
1300	493	0	487	0	480	0	473	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	97	0
1400	475	0	469	0	464	0	457	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1500	455	0	450	0	448	0	439	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1600	450	0	444	0	450	0	439	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1700	446	0	439	0	441	0	432	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1800	446	0	439	0	441	0	433	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1900	439	0	433	0	437	0	430	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2000	428	0	423	0	426	0	421	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2100	417	0	410	0	415	0	410	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2200	396	0	388	0	396	0	390	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2300	379	0	374	0	383	0	376	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2400	370	0	363	0	374	0	367	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0

STATUS (S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID 5 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 S		WIND DIR1	MIN 50 B S	MAX	WIND DIR2	MIN 150A S	MAX	WIND DIR3	MIN 150B S	MAX	WIND DIR4	MIN S	MAX	WIND DIR5	MIN S	MAX	WIND DIR6	
100	196	0	214	0	292	0	290	0	0	0	0	0	310	0	346	270	312	0	344	279	323	0	341	306	316	0	335	302	0	0	0	0	0	0
200	237	0	251	0	325	0	323	0	0	0	0	0	310	0	348	270	309	0	324	287	319	0	332	306	312	0	325	300	0	0	0	0	0	0
300	243	0	229	0	318	0	319	0	0	0	0	0	306	0	339	285	301	0	346	260	315	0	332	304	309	0	328	297	0	0	0	0	0	0
400	261	0	258	0	353	0	353	0	0	0	0	0	311	0	328	290	307	0	346	261	319	0	337	296	313	0	341	289	0	0	0	0	0	0
500	237	0	231	0	310	0	310	0	0	0	0	0	312	0	332	295	310	0	348	263	318	0	330	307	313	0	347	299	0	0	0	0	0	0
600	217	0	214	0	303	0	301	0	0	0	0	0	316	0	346	277	315	0	8	278	323	0	353	287	320	0	348	287	0	0	0	0	0	0
700	233	0	233	0	297	0	300	0	0	0	0	0	303	0	327	287	302	0	328	263	311	0	324	298	305	0	320	287	0	0	0	0	0	0
800	208	0	207	0	285	0	289	0	0	0	0	0	312	0	340	290	307	0	346	258	318	0	347	295	312	0	352	282	0	0	0	0	0	0
900	171	0	159	0	241	0	243	0	0	0	0	0	317	0	353	279	315	0	353	265	326	0	4	304	321	0	345	294	0	0	0	0	0	0
1000	131	0	127	0	184	0	183	0	0	0	0	0	322	0	8	279	318	0	15	281	328	0	12	286	325	0	357	289	0	0	0	0	0	0
1100	108	0	100	0	157	0	154	0	0	0	0	0	337	0	33	279	331	0	36	283	342	0	34	275	338	0	59	272	0	0	0	0	0	0
1200	110	0	106	0	147	0	143	0	0	0	0	0	331	0	1	290	329	0	33	285	336	0	18	296	333	0	11	302	0	0	0	0	0	0
1300	76	0	75	0	100	0	102	0	0	0	0	0	323	0	28	280	321	0	33	278	327	0	18	277	324	0	9	285	0	0	0	0	0	0
1400	64	0	62	0	97	0	94	0	0	0	0	0	349	0	170	279	343	0	80	282	352	0	63	299	350	0	71	283	0	0	0	0	0	0
1500	65	0	65	0	86	0	83	0	0	0	0	0	4	0	68	299	2	0	79	295	7	0	67	315	3	0	65	300	0	0	0	0	0	0
1600	45	0	41	0	61	0	62	0	0	0	0	0	345	0	86	275	345	0	126	280	345	0	77	279	341	0	36	277	0	0	0	0	0	0
1700	15	0	15	0	27	0	29	0	0	0	0	0	16	3	106	281	13	3	123	281	9	3	132	283	8	3	98	275	0	0	0	0	0	0
1800	41	0	38	0	41	0	44	0	0	0	0	0	123	0	131	108	129	0	148	106	118	0	126	106	123	0	133	112	0	0	0	0	0	0
1900	60	0	53	0	76	0	79	0	0	0	0	0	116	0	124	104	121	0	131	99	114	0	122	107	119	0	128	111	0	0	0	0	0	0
2000	63	0	60	0	94	0	104	0	0	0	0	0	123	0	136	111	127	0	149	99	119	0	139	113	123	0	143	108	0	0	0	0	0	0
2100	52	0	47	0	81	0	87	0	0	0	0	0	122	0	139	114	128	0	148	104	119	0	125	114	124	0	129	119	0	0	0	0	0	0
2200	54	0	54	0	89	0	93	0	0	0	0	0	129	0	147	120	137	0	175	121	129	0	138	120	134	0	142	127	0	0	0	0	0	0
2300	68	0	66	0	118	0	122	0	0	0	0	0	124	0	142	113	130	0	147	120	135	0	139	131	140	0	145	135	0	0	0	0	0	0
2400	66	0	61	0	119	0	121	0	0	0	0	0	120	0	132	113	126	0	147	105	134	0	136	130	140	0	143	135	0	0	0	0	0	0

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 150A S		AMB. TEM4 150B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 150A S		D.T. 2 150B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	363	0	356	0	367	0	360	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
200	361	0	352	0	360	0	354	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
300	349	0	343	0	349	0	342	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
400	338	0	331	0	338	0	331	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
500	327	0	320	0	327	0	320	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
600	315	0	308	0	315	0	310	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
700	310	0	305	0	310	0	303	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
800	306	0	299	0	306	0	301	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
900	306	0	301	0	306	0	299	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1000	301	0	296	0	301	0	292	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1100	310	0	310	0	305	0	294	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1200	303	0	299	0	303	0	296	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1300	322	0	314	0	310	0	303	0	320	0	320	0	-29	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1400	334	0	334	0	324	0	310	0	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1500	327	0	329	0	322	0	308	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1600	334	0	329	0	324	0	315	0	320	0	320	0	-27	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1700	301	0	294	0	314	0	306	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1800	301	0	294	0	301	0	294	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1900	290	0	281	0	303	0	296	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2000	290	0	287	0	306	0	297	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2100	283	0	276	0	297	0	292	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2200	279	0	272	0	296	0	290	0	320	0	320	0	2	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2300	272	0	265	0	299	0	292	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2400	270	0	261	0	299	0	294	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	76	0	72	0	124	0	127	0	0	0	0	0	121	0	131	115		126	0	146	103		133	0	138	128		139	0	144	132		0	0		0	0		0	0
200	88	0	87	0	140	0	142	0	0	0	0	0	123	0	130	116		128	0	147	103		131	0	136	127		137	0	141	129		0	0		0	0		0	0
300	79	0	83	0	150	0	154	0	0	0	0	0	126	0	138	112		135	0	151	108		137	0	141	132		144	0	148	137		0	0		0	0		0	0
400	81	0	80	0	142	0	144	0	0	0	0	0	125	0	147	101		130	0	166	79		138	0	151	119		144	0	160	129		0	0		0	0		0	0
500	75	0	75	0	134	0	140	0	0	0	0	0	134	0	178	107		138	0	172	102		146	0	159	131		150	0	161	131		0	0		0	0		0	0
600	82	0	79	0	146	0	152	0	0	0	0	0	125	0	140	107		130	0	161	81		142	0	152	133		146	0	159	137		0	0		0	0		0	0
700	95	0	96	0	154	0	158	0	0	0	0	0	127	0	155	107		133	0	167	98		137	0	148	125		141	0	154	128		0	0		0	0		0	0
800	74	0	73	0	126	0	129	0	0	0	0	0	123	0	149	107		131	0	153	101		141	0	151	131		145	0	156	134		0	0		0	0		0	0
900	72	0	70	0	125	0	133	0	0	0	0	0	135	0	178	77		141	0	173	81		150	0	176	109		155	0	178	127		0	0		0	0		0	0
1000	97	0	95	0	183	0	185	0	0	0	0	0	146	0	194	99		153	0	259	102		154	0	181	103		156	0	184	94		0	0		0	0		0	0
1100	123	0	120	0	202	0	207	0	0	0	0	0	144	0	207	92		149	0	236	101		154	0	188	123		158	0	189	129		0	0		0	0		0	0
1200	124	0	123	0	217	0	219	0	0	0	0	0	138	0	175	98		139	0	172	81		147	0	177	113		151	0	170	121		0	0		0	0		0	0
1300	105	0	111	0	177	0	181	0	0	0	0	0	141	0	239	107		143	0	194	101		149	0	176	115		153	0	190	118		0	0		0	0		0	0
1400	111	0	106	0	181	0	189	0	0	0	0	0	139	0	185	98		145	0	192	98		145	0	173	105		150	0	173	120		0	0		0	0		0	0
1500	83	0	76	0	141	0	150	0	0	0	0	0	149	0	269	101		155	0	128	102		155	0	199	129		158	0	206	132		0	0		0	0		0	0
1600	93	0	91	0	165	0	169	0	0	0	0	0	137	0	179	107		137	0	172	78		145	0	170	119		150	0	172	126		0	0		0	0		0	0
1700	101	0	106	0	180	0	193	0	0	0	0	0	135	0	183	98		138	0	192	102		146	0	197	125		150	0	196	132		0	0		0	0		0	0
1800	107	0	114	0	178	0	181	0	0	0	0	0	128	0	150	105		135	0	169	104		141	0	161	124		146	0	163	128		0	0		0	0		0	0
1900	114	0	122	0	212	0	217	0	0	0	0	0	136	0	166	104		141	0	185	101		144	0	158	127		148	0	165	128		0	0		0	0		0	0
2000	120	0	123	0	231	0	239	0	0	0	0	0	135	0	173	105		140	0	196	103		148	0	166	134		152	0	174	128		0	0		0	0		0	0
2100	115	0	115	0	199	0	197	0	0	0	0	0	146	0	202	99		150	0	195	102		157	0	179	129		160	0	178	131		0	0		0	0		0	0
2200	112	0	109	0	209	0	191	0	0	0	0	0	162	0	218	112		166	0	260	102		168	0	200	138		171	0	201	143		0	0		0	0		0	0
2300	100	0	91	0	186	0	169	0	0	0	0	0	165	0	233	116		166	0	236	91		172	0	201	136		174	0	207	146		0	0		0	0		0	0
2400	97	0	86	0	178	0	151	0	0	0	0	0	182	0	258	120		180	0	255	104		183	0	237	126		186	0	243	120		0	0		0	0		0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	269	0	261	0	296	0	288	0	320	0	320	0	9	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
200	272	0	265	0	297	0	290	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
300	272	0	265	0	296	0	288	0	320	0	320	0	9	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
400	272	0	265	0	287	0	281	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
500	281	0	274	0	296	0	288	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
600	279	0	272	0	294	0	287	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
700	279	0	272	0	292	0	283	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
800	288	0	281	0	299	0	294	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
900	340	0	334	0	336	0	329	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1000	376	0	370	0	365	0	358	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1100	410	0	405	0	397	0	390	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1200	442	0	437	0	428	0	421	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1300	480	0	475	0	464	0	457	0	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1400	502	0	498	0	487	0	478	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1500	518	0	518	0	503	0	493	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1600	520	0	513	0	507	0	500	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1700	507	0	507	0	507	0	493	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1800	477	0	471	0	478	0	473	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1900	468	0	462	0	469	0	464	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2000	468	0	462	0	469	0	464	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2100	478	0	473	0	476	0	473	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2200	513	0	505	0	509	0	502	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2300	523	0	520	0	522	0	514	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2400	549	0	543	0	543	0	536	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 50 A S	MIN	MAX	WIND DIR2 50 B S	MIN	MAX	WIND DIR3 150A S	MIN	MAX	WIND DIR4 150B S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	95 0	79 0	168 0	145 0	0 0	0 0	197 0	261	102	198 0	262	101	193 0	224	145	195 0	230	153	0 0	0	0	0
200	115 0	92 0	193 0	164 0	0 0	0 0	210 0	249	122	211 0	261	124	202 0	237	163	203 0	228	162	0 0	0	0	0
300	117 0	84 0	152 0	145 0	0 0	0 0	216 0	264	151	217 0	262	149	206 0	239	174	207 0	245	171	0 0	0	0	0
400	102 0	84 0	165 0	146 0	0 0	0 0	213 0	253	135	214 0	262	146	203 0	225	157	206 0	227	168	0 0	0	0	0
500	93 0	77 0	158 0	139 0	0 0	0 0	212 0	261	151	212 0	268	168	205 0	225	180	206 0	227	177	0 0	0	0	0
600	110 0	96 0	163 0	160 0	0 0	0 0	226 0	271	196	231 0	283	192	218 0	246	187	220 0	250	192	0 0	0	0	0
700	110 0	96 0	158 0	167 0	0 0	0 0	229 0	265	202	232 0	285	192	228 0	252	197	228 0	251	193	0 0	0	0	0
800	111 0	104 0	166 0	172 0	0 0	0 0	233 0	262	194	235 0	282	194	227 0	252	197	228 0	253	202	0 0	0	0	0
900	100 0	93 0	140 0	144 0	0 0	0 0	235 0	279	197	238 0	307	191	224 0	254	188	226 0	261	194	0 0	0	0	0
1000	117 0	108 0	153 0	165 0	0 0	0 0	236 0	262	200	238 0	281	194	231 0	254	198	232 0	250	205	0 0	0	0	0
1100	104 0	97 0	131 0	141 0	0 0	0 0	234 0	277	196	235 0	262	174	228 0	271	207	228 0	256	202	0 0	0	0	0
1200	88 0	84 0	131 0	140 0	0 0	0 0	245 0	275	212	245 0	281	193	249 0	272	228	250 0	272	229	0 0	0	0	0
1300	118 0	110 0	175 0	185 0	0 0	0 0	247 0	274	218	250 0	282	214	251 0	279	238	249 0	272	233	0 0	0	0	0
1400	117 0	111 0	156 0	166 0	0 0	0 0	245 0	297	223	247 0	283	216	246 0	261	230	245 0	261	224	0 0	0	0	0
1500	84 0	81 0	130 0	138 0	0 0	0 0	251 0	292	220	250 0	306	214	255 0	286	241	255 0	279	229	0 0	0	0	0
1600	90 0	84 0	162 0	172 0	0 0	0 0	252 0	287	210	254 0	304	191	254 0	274	238	255 0	272	235	0 0	0	0	0
1700	99 0	97 0	164 0	173 0	0 0	0 0	245 0	269	225	247 0	282	215	250 0	254	245	249 0	255	244	0 0	0	0	0
1800	107 0	103 0	166 0	175 0	0 0	0 0	242 0	261	220	244 0	282	213	249 0	254	237	250 0	256	234	0 0	0	0	0
1900	99 0	94 0	154 0	163 0	0 0	0 0	242 0	263	215	243 0	282	213	250 0	263	224	251 0	260	230	0 0	0	0	0
2000	146 0	146 0	190 0	200 0	0 0	0 0	264 0	278	247	262 0	305	236	265 0	272	257	265 0	270	261	0 0	0	0	0
2100	95 0	93 0	155 0	164 0	0 0	0 0	251 0	271	203	250 0	285	214	254 0	260	249	255 0	261	250	0 0	0	0	0
2200	200 0	186 0	257 0	268 0	0 0	0 0	292 0	337	269	289 0	352	236	294 0	308	268	290 0	301	268	0 0	0	0	0
2300	223 0	218 0	289 0	289 0	0 0	0 0	315 0	353	286	315 0	13	281	321 0	352	300	317 0	353	296	0 0	0	0	0
2400	144 0	143 0	218 0	214 0	0 0	0 0	327 0	358	271	326 0	15	282	334 0	0	306	328 0	350	272	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	545 0	538 0	541 0	534 0	320 0	320 0	-2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
200	563 0	558 0	558 0	549 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
300	556 0	554 0	554 0	545 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
400	543 0	536 0	540 0	532 0	320 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
500	525 0	518 0	523 0	518 0	320 0	320 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
600	522 0	516 0	516 0	509 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
700	507 0	502 0	504 0	496 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
800	505 0	498 0	500 0	493 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
900	514 0	507 0	505 0	500 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
1000	525 0	520 0	514 0	509 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
1100	529 0	523 0	516 0	511 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
1200	531 0	525 0	516 0	511 0	320 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
1300	540 0	534 0	520 0	514 0	320 0	320 0	-20 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
1400	543 0	536 0	529 0	523 0	320 0	320 0	-14 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
1500	536 0	529 0	520 0	514 0	320 0	320 0	-14 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
1600	536 0	531 0	534 0	529 0	320 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
1700	536 0	529 0	541 0	536 0	320 0	320 0	9 0	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
1800	525 0	518 0	534 0	527 0	320 0	320 0	11 0	13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
1900	518 0	513 0	532 0	525 0	320 0	320 0	16 0	16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
2000	541 0	536 0	543 0	536 0	320 0	320 0	4 0	5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
2100	514 0	509 0	525 0	518 0	320 0	320 0	11 0	13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
2200	534 0	529 0	529 0	523 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
2300	504 0	496 0	495 0	487 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0
2400	441 0	433 0	439 0	432 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	98 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	126	0	129	0	172	0	173	0	0	0	0	0	312	0	335	290	309	0	350	260	320	0	339	302	316	0	349	297	0	0	0	0	0	0
200	135	0	131	0	173	0	175	0	0	0	0	0	308	0	343	290	305	0	349	261	315	0	347	298	310	0	343	292	0	0	0	0	0	0
300	153	0	144	0	190	0	193	0	0	0	0	0	308	0	326	279	305	0	329	258	313	0	343	300	308	0	336	293	0	0	0	0	0	0
400	141	0	133	0	191	0	192	0	0	0	0	0	324	0	357	287	320	0	12	281	327	0	355	304	322	0	345	297	0	0	0	0	0	0
500	143	0	135	0	184	0	185	0	0	0	0	0	310	0	335	284	307	0	329	261	316	0	343	298	312	0	342	296	0	0	0	0	0	0
600	112	0	104	0	137	0	139	0	0	0	0	0	306	0	329	280	303	0	346	261	312	0	339	294	307	0	337	285	0	0	0	0	0	0
700	118	0	114	0	162	0	161	0	0	0	0	0	320	0	6	291	316	0	36	283	326	0	350	299	322	0	330	299	0	0	0	0	0	0
800	117	0	112	0	154	0	159	0	0	0	0	0	306	0	340	261	302	0	348	258	311	0	1	270	305	0	339	285	0	0	0	0	0	0
900	127	0	120	0	168	0	167	0	0	0	0	0	311	0	333	260	306	0	349	260	316	0	339	291	311	0	337	278	0	0	0	0	0	0
1000	126	0	121	0	172	0	173	0	0	0	0	0	311	0	345	277	305	0	351	258	319	0	348	297	313	0	333	289	0	0	0	0	0	0
1100	123	0	116	0	151	0	155	0	0	0	0	0	304	0	331	273	300	0	329	258	309	0	328	292	304	0	324	288	0	0	0	0	0	0
1200	172	0	161	0	221	0	224	0	0	0	0	0	303	0	333	276	298	0	327	261	310	0	330	297	305	0	320	291	0	0	0	0	0	0
1300	175	0	165	0	217	0	223	0	0	0	0	0	297	0	321	277	293	0	326	258	301	0	315	290	295	0	310	285	0	0	0	0	0	0
1400	165	0	150	0	230	0	228	0	0	0	0	0	317	0	357	282	313	0	353	238	325	0	4	305	320	0	6	298	0	0	0	0	0	0
1500	209	0	192	0	257	0	259	0	0	0	0	0	307	0	325	284	306	0	348	258	315	0	354	302	309	0	342	296	0	0	0	0	0	0
1600	180	0	170	0	232	0	235	0	0	0	0	0	310	0	330	290	307	0	331	258	316	0	333	292	310	0	324	285	0	0	0	0	0	0
1700	156	0	159	0	217	0	219	0	0	0	0	0	314	0	345	273	310	0	349	258	320	0	336	302	317	0	336	298	0	0	0	0	0	0
1800	155	0	152	0	210	0	210	0	0	0	0	0	317	0	348	289	310	0	352	238	323	0	340	292	318	0	338	298	0	0	0	0	0	0
1900	158	0	149	0	216	0	218	0	0	0	0	0	309	0	340	282	302	0	329	260	316	0	334	290	310	0	331	291	0	0	0	0	0	0
2000	160	0	150	0	207	0	210	0	0	0	0	0	303	0	338	279	299	0	340	249	311	0	334	296	305	0	341	288	0	0	0	0	0	0
2100	161	0	155	0	205	0	206	0	0	0	0	0	309	0	334	290	306	0	329	259	315	0	333	303	309	0	329	299	0	0	0	0	0	0
2200	146	0	140	0	186	0	188	0	0	0	0	0	307	0	329	280	302	0	332	257	315	0	337	299	310	0	329	291	0	0	0	0	0	0
2300	185	0	176	0	225	0	231	0	0	0	0	0	306	0	330	286	302	0	352	258	310	0	323	299	304	0	319	285	0	0	0	0	0	0
2400	132	0	126	0	172	0	175	0	0	0	0	0	309	0	341	283	304	0	347	259	316	0	333	297	310	0	331	292	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	430	0	423	0	432	0	424	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
200	426	0	419	0	424	0	419	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
300	423	0	415	0	419	0	412	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
400	415	0	410	0	412	0	405	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
500	414	0	406	0	406	0	399	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
600	412	0	405	0	405	0	397	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
700	417	0	412	0	410	0	403	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
800	417	0	410	0	410	0	405	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
900	417	0	412	0	412	0	405	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
1000	414	0	408	0	406	0	399	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
1100	410	0	405	0	403	0	396	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
1200	405	0	397	0	397	0	390	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
1300	392	0	385	0	385	0	378	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
1400	381	0	378	0	378	0	370	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
1500	385	0	379	0	379	0	374	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
1600	385	0	379	0	383	0	376	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
1700	388	0	383	0	387	0	379	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
1800	392	0	385	0	387	0	381	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
1900	392	0	385	0	387	0	381	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
2000	390	0	383	0	387	0	381	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
2100	387	0	381	0	383	0	378	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
2200	383	0	378	0	383	0	376	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
2300	376	0	369	0	376	0	369	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0
2400	367	0	360	0	360	0	354	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	98	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible]3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN S	MAX	WIND DIR5	MIN S	MAX	WIND DIR6
100	122	0	113	0	164	0	166	0	0	0	0	0	303	0	328	269	300	0	350	255	307	0	334	292	302	0	330	284	0	0	0	0	0	0
200	142	0	135	0	176	0	179	0	0	0	0	0	305	0	332	283	302	0	331	257	310	0	333	293	305	0	338	290	0	0	0	0	0	0
300	145	0	128	0	179	0	178	0	0	0	0	0	309	0	334	275	306	0	348	260	313	0	330	298	308	0	327	292	0	0	0	0	0	0
400	123	0	116	0	153	0	159	0	0	0	0	0	309	0	331	265	304	0	337	258	314	0	330	290	308	0	323	290	0	0	0	0	0	0
500	144	0	137	0	175	0	179	0	0	0	0	0	304	0	326	279	300	0	331	260	308	0	320	296	303	0	319	292	0	0	0	0	0	0
600	88	0	81	0	115	0	116	0	0	0	0	0	307	0	338	277	302	0	344	257	312	0	333	291	308	0	332	287	0	0	0	0	0	0
700	106	0	99	0	135	0	136	0	0	0	0	0	310	0	350	281	304	0	350	261	315	0	340	284	310	0	329	278	0	0	0	0	0	0
800	95	0	85	0	121	0	123	0	0	0	0	0	313	0	2	277	309	0	351	258	318	0	342	299	313	0	347	290	0	0	0	0	0	0
900	79	0	85	0	103	0	104	0	0	0	0	0	301	0	344	240	302	0	337	272	308	0	344	292	302	0	332	285	0	0	0	0	0	0
1000	120	0	128	0	163	0	168	0	0	0	0	0	290	0	353	220	292	0	317	267	299	0	326	281	293	0	313	278	0	0	0	0	0	0
1100	111	0	128	0	155	0	156	0	0	0	0	0	306	0	344	258	308	0	334	271	316	0	357	295	309	0	327	288	0	0	0	0	0	0
1200	93	0	103	0	131	0	128	0	0	0	0	0	308	0	339	254	309	0	329	276	316	0	335	289	310	0	332	280	0	0	0	0	0	0
1300	95	0	103	0	129	0	130	0	0	0	0	0	299	0	339	240	299	0	325	273	306	0	333	287	301	0	325	283	0	0	0	0	0	0
1400	99	0	103	0	128	0	132	0	0	0	0	0	296	0	342	251	298	0	331	264	308	0	339	287	303	0	328	278	0	0	0	0	0	0
1500	72	0	79	0	107	0	105	0	0	0	0	0	283	0	331	204	286	0	317	219	292	0	326	248	287	0	327	239	0	0	0	0	0	0
1600	61	0	67	0	83	0	89	0	0	0	0	0	285	0	329	227	285	0	327	244	290	0	338	241	285	0	318	251	0	0	0	0	0	0
1700	40	0	48	0	61	0	64	0	0	0	0	0	275	0	344	224	278	0	347	240	279	0	316	237	275	0	311	237	0	0	0	0	0	0
1800	44	0	56	0	57	0	60	0	0	0	0	0	254	0	299	213	257	0	303	215	261	0	300	225	257	0	294	226	0	0	0	0	0	0
1900	42	0	52	0	52	0	40	0	0	0	0	0	175	0	207	145	181	0	209	153	184	0	205	171	186	0	213	172	0	0	0	0	0	0
2000	45	0	55	0	75	0	54	0	0	0	0	0	166	0	208	134	172	0	216	152	175	0	180	173	177	0	181	176	0	0	0	0	0	0
2100	48	0	59	0	100	0	77	0	0	0	0	0	167	0	209	128	171	0	197	141	178	0	195	173	179	0	198	174	0	0	0	0	0	0
2200	56	0	70	0	145	0	121	0	0	0	0	0	156	0	222	110	157	0	178	124	172	0	176	169	174	0	177	170	0	0	0	0	0	0
2300	62	0	74	0	174	0	143	0	0	0	0	0	154	0	226	102	158	0	185	129	174	0	176	171	176	0	180	169	0	0	0	0	0	0
2400	53	0	61	0	170	0	129	0	0	0	0	0	166	0	220	114	169	0	203	127	187	0	194	176	187	0	197	175	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	367	0	361	0	361	0	354	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
200	376	0	369	0	369	0	361	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
300	379	0	374	0	370	0	363	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
400	379	0	372	0	372	0	367	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
500	379	0	372	0	370	0	365	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
600	374	0	367	0	369	0	363	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
700	378	0	370	0	370	0	365	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
800	381	0	376	0	376	0	369	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
900	392	0	385	0	379	0	374	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1000	403	0	396	0	383	0	378	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1100	403	0	396	0	383	0	378	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1200	421	0	414	0	388	0	383	0	320	0	320	0	-40	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1300	424	0	417	0	388	0	383	0	320	0	320	0	-41	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1400	428	0	423	0	392	0	385	0	320	0	320	0	-41	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1500	430	0	424	0	403	0	397	0	320	0	320	0	-34	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1600	428	0	421	0	410	0	405	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1700	417	0	410	0	412	0	405	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1800	401	0	394	0	406	0	397	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1900	379	0	372	0	390	0	383	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2000	361	0	352	0	396	0	388	0	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2100	361	0	352	0	403	0	396	0	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2200	342	0	333	0	401	0	394	0	320	0	320	0	50	0	52	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2300	333	0	324	0	394	0	387	0	320	0	320	0	52	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2400	343	0	334	0	399	0	392	0	320	0	320	0	49	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	54	0	67	0	155	0	122	0	0	0	0	0	163	0	230	94	169	0	206	122	186	0	196	170	185	0	198	170	0	0	0	0	0	0
200	52	0	54	0	144	0	119	0	0	0	0	0	183	0	238	124	189	0	245	140	193	0	203	178	194	0	206	183	0	0	0	0	0	0
300	49	0	51	0	133	0	119	0	0	0	0	0	192	0	241	113	199	0	234	154	204	0	210	196	206	0	217	195	0	0	0	0	0	0
400	45	0	49	0	136	0	118	0	0	0	0	0	185	0	239	119	191	0	218	154	198	0	207	191	199	0	207	187	0	0	0	0	0	0
500	53	0	54	0	130	0	115	0	0	0	0	0	194	0	249	135	200	0	227	166	206	0	213	198	208	0	220	200	0	0	0	0	0	0
600	52	0	55	0	146	0	130	0	0	0	0	0	192	0	241	151	199	0	230	161	202	0	209	191	203	0	210	192	0	0	0	0	0	0
700	49	0	57	0	144	0	111	0	0	0	0	0	175	0	249	116	183	0	216	145	189	0	199	181	190	0	200	182	0	0	0	0	0	0
800	42	0	53	0	123	0	106	0	0	0	0	0	167	0	220	93	170	0	205	98	185	0	218	163	186	0	207	167	0	0	0	0	0	0
900	35	0	42	0	109	0	94	0	0	0	0	0	167	0	231	91	173	0	261	91	185	0	224	152	185	0	219	156	0	0	0	0	0	0
1000	50	0	56	0	116	0	98	0	0	0	0	0	176	0	248	90	184	0	265	98	180	0	216	125	183	0	223	107	0	0	0	0	0	0
1100	73	0	78	0	140	0	121	0	0	0	0	0	175	0	243	99	178	0	240	103	178	0	213	139	182	0	229	133	0	0	0	0	0	0
1200	59	0	64	0	149	0	130	0	0	0	0	0	175	0	260	95	186	0	267	111	180	0	228	107	182	0	218	143	0	0	0	0	0	0
1300	86	0	84	0	168	0	143	0	0	0	0	0	183	0	263	96	186	0	245	116	185	0	232	148	186	0	229	150	0	0	0	0	0	0
1400	92	0	90	0	159	0	137	0	0	0	0	0	174	0	251	102	177	0	231	119	177	0	206	142	180	0	220	148	0	0	0	0	0	0
1500	87	0	93	0	163	0	144	0	0	0	0	0	169	0	264	110	175	0	255	124	173	0	207	135	175	0	200	142	0	0	0	0	0	0
1600	81	0	91	0	161	0	144	0	0	0	0	0	167	0	232	92	171	0	250	98	172	0	203	147	174	0	205	143	0	0	0	0	0	0
1700	83	0	96	0	167	0	171	0	0	0	0	0	142	0	193	100	147	0	179	84	151	0	174	114	156	0	184	124	0	0	0	0	0	0
1800	95	0	110	0	188	0	191	0	0	0	0	0	145	0	238	113	147	0	193	111	151	0	173	124	154	0	187	133	0	0	0	0	0	0
1900	131	0	148	0	244	0	252	0	0	0	0	0	137	0	198	93	144	0	192	118	148	0	176	122	153	0	170	130	0	0	0	0	0	0
2000	128	0	136	0	244	0	239	0	0	0	0	0	154	0	219	94	160	0	199	101	157	0	203	135	162	0	210	137	0	0	0	0	0	0
2100	69	0	72	0	131	0	114	0	0	0	0	0	173	0	243	103	179	0	252	109	180	0	253	148	182	0	228	138	0	0	0	0	0	0
2200	94	0	104	0	176	0	165	0	0	0	0	0	152	0	203	101	157	0	221	100	165	0	192	145	169	0	192	145	0	0	0	0	0	0
2300	92	0	106	0	195	0	186	0	0	0	0.0	0	154	0	217	101	158	0	212	99	166	0	203	137	168	0	197	139	0	0	0	0	0	0
2400	114	0	127	0	216	0	202	0	0	0	0	0	157	0	211	110	161	0	193	106	164	0	194	142	166	0	189	122	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	347	0	338	0	383	0	376	0	320	0	320	0	29	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
200	352	0	345	0	378	0	370	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
300	352	0	345	0	385	0	379	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
400	347	0	340	0	383	0	376	0	320	0	320	0	34	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
500	349	0	342	0	383	0	378	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
600	345	0	338	0	379	0	374	0	320	0	320	0	34	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
700	342	0	334	0	370	0	365	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
800	347	0	345	0	374	0	356	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
900	396	0	390	0	390	0	383	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1000	448	0	441	0	435	0	430	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1100	491	0	487	0	478	0	469	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1200	538	0	534	0	507	0	502	0	320	0	320	0	-32	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1300	532	0	525	0	514	0	507	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1400	541	0	538	0	523	0	514	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1500	534	0	529	0	523	0	514	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1600	523	0	518	0	514	0	507	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1700	507	0	502	0	504	0	495	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1800	500	0	493	0	496	0	489	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1900	495	0	489	0	489	0	484	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2000	489	0	482	0	486	0	478	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2100	478	0	473	0	477	0	471	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2200	473	0	466	0	469	0	464	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2300	473	0	468	0	471	0	464	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2400	473	0	466	0	469	0	462	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0

STATUS D[illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	135	0	147	0	229	0	225	0	0	0	0	0	145	0	187	94	153	0	178	116	159	0	179	134	163	0	190	131	0	0	0	0	0	0
200	119	0	131	0	225	0	221	0	0	0	0	0	134	0	218	90	156	0	198	101	159	0	190	136	163	0	199	139	0	0	0	0	0	0
300	110	0	121	0	212	0	202	0	0	0	0	0	152	0	218	99	158	0	211	110	165	0	197	139	168	0	198	129	0	0	0	0	0	0
400	91	0	100	0	188	0	167	0	0	0	0	0	167	0	244	110	172	0	239	118	173	0	203	145	177	0	202	138	0	0	0	0	0	0
500	93	0	104	0	190	0	169	0	0	0	0	0	165	0	233	104	171	0	234	118	172	0	203	140	175	0	210	150	0	0	0	0	0	0
600	80	0	89	0	174	0	147	0	0	0	0	0	175	0	269	105	182	0	241	98	183	0	209	150	186	0	220	151	0	0	0	0	0	0
700	102	0	106	0	188	0	164	0	0	0	0	0	167	0	248	95	174	0	225	102	176	0	205	153	177	0	210	143	0	0	0	0	0	0
800	90	0	89	0	191	0	162	0	0	0	0	0	180	0	243	104	187	0	249	114	186	0	233	150	187	0	229	155	0	0	0	0	0	0
900	87	0	89	0	167	0	151	0	0	0	0	0	171	0	264	90	175	0	238	117	182	0	229	154	184	0	217	161	0	0	0	0	0	0
1000	76	0	75	0	156	0	133	0	0	0	0	0	188	0	264	92	189	0	269	99	185	0	213	150	187	0	223	150	0	0	0	0	0	0
1100	75	0	75	0	142	0	120	0	0	0	0	0	203	0	266	112	210	0	267	113	199	0	229	159	202	0	231	164	0	0	0	0	0	0
1200	97	0	93	0	164	0	142	0	0	0	0	0	203	0	265	121	210	0	259	154	199	0	246	167	201	0	233	178	0	0	0	0	0	0
1300	63	0	66	0	118	0	100	0	0	0	0	0	195	0	266	91	204	0	258	122	193	0	228	119	195	0	218	138	0	0	0	0	0	0
1400	61	0	62	0	103	0	95	0	0	0	0	0	220	0	267	145	228	0	310	190	212	0	259	167	213	0	258	170	0	0	0	0	0	0
1500	47	0	51	0	83	0	75	0	0	0	0	0	214	0	267	130	216	0	269	94	205	0	243	133	204	0	235	108	0	0	0	0	0	0
1600	69	0	66	0	124	0	105	0	0	0	0	0	201	0	253	101	204	0	250	114	198	0	234	146	199	0	224	146	0	0	0	0	0	0
1700	63	0	62	0	124	0	105	0	0	0	0	0	194	0	265	124	202	0	252	148	195	0	221	167	196	0	224	173	0	0	0	0	0	0
1800	47	0	51	0	114	0	96	0	0	0	0	0	187	0	257	106	196	0	269	137	193	0	222	171	193	0	217	170	0	0	0	0	0	0
1900	59	0	59	0	145	0	118	0	0	0	0	0	186	0	263	95	193	0	250	122	190	0	211	144	191	0	207	167	0	0	0	0	0	0
2000	50	0	52	0	111	0	92	0	0	0	0	0	198	0	265	118	203	0	266	143	193	0	225	164	194	0	222	171	0	0	0	0	0	0
2100	61	0	61	0	110	0	98	0	0	0	0	0	216	0	265	144	219	0	260	164	208	0	233	181	210	0	227	178	0	0	0	0	0	0
2200	66	0	70	0	115	0	108	0	0	0	0	0	217	0	262	147	221	0	269	141	214	0	246	168	215	0	244	178	0	0	0	0	0	0
2300	77	0	72	0	132	0	115	0	0	0	0	0	206	0	269	116	215	0	268	125	205	0	227	169	207	0	235	171	0	0	0	0	0	0
2400	41	0	45	0	92	0	78	0	0	0	0	0	193	0	268	109	198	0	250	100	190	0	220	135	192	0	232	145	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	6	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	464	0	459	0	459	0	453	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
200	466	0	460	0	459	0	453	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
300	471	0	466	0	466	0	457	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
400	475	0	468	0	468	0	462	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
500	477	0	471	0	469	0	464	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
600	480	0	475	0	475	0	468	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
700	473	0	468	0	468	0	462	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
800	480	0	475	0	473	0	468	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
900	480	0	480	0	475	0	464	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1000	511	0	504	0	493	0	487	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1100	531	0	523	0	516	0	511	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1200	563	0	558	0	540	0	534	0	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1300	554	0	549	0	540	0	532	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1400	574	0	567	0	558	0	550	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1500	576	0	570	0	561	0	554	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1600	585	0	577	0	568	0	563	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1700	572	0	567	0	561	0	554	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1800	541	0	536	0	538	0	531	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
1900	523	0	516	0	523	0	518	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2000	520	0	513	0	522	0	514	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2100	527	0	520	0	523	0	518	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2200	531	0	525	0	522	0	516	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2300	309	0	504	0	502	0	495	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
2400	496	0	491	0	493	0	487	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50 B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	46	0	55	0	100	0	84	0	0	0	0	0	162	0	267	104	168	0	244	105	177	0	206	144	180	0	210	153	0	0	0	0	0	0
200	40	0	50	0	82	0	77	0	0	0	0	0	161	0	234	100	165	0	238	108	167	0	187	139	170	0	195	144	0	0	0	0	0	0
300	47	0	58	0	104	0	105	0	0	0	0	0	151	0	225	110	151	0	181	117	160	0	192	140	163	0	195	147	0	0	0	0	0	0
400	40	0	52	0	89	0	87	0	0	0	0	0	152	0	233	92	157	0	198	116	163	0	188	139	168	0	197	138	0	0	0	0	0	0
500	52	0	65	0	96	0	96	0	0	0	0	0	135	0	181	93	142	0	168	106	153	0	175	130	158	0	178	137	0	0	0	0	0	0
600	53	0	64	0	97	0	100	0	0	0	0	0	138	0	200	92	145	0	184	113	151	0	173	131	155	0	174	133	0	0	0	0	0	0
700	48	0	62	0	102	0	103	0	0	0	0	0	139	0	195	92	148	0	189	111	158	0	181	130	161	0	182	140	0	0	0	0	0	0
800	60	0	72	0	105	0	107	0	0	0	0	0	123	0	156	95	133	0	150	113	136	0	158	114	142	0	160	123	0	0	0	0	0	0
900	83	0	98	0	153	0	155	0	0	0	0	0	134	0	183	101	141	0	163	105	143	0	158	127	149	0	162	131	0	0	0	0	0	0
1000	65	0	79	0	118	0	121	0	0	0	0	0	126	0	171	77	136	0	161	110	140	0	157	116	145	0	159	123	0	0	0	0	0	0
1100	66	0	79	0	112	0	115	0	0	0	0	0	125	0	165	94	133	0	156	115	136	0	151	121	140	0	154	120	0	0	0	0	0	0
1200	75	0	88	0	145	0	151	0	0	0	0	0	131	0	166	79	143	0	223	116	147	0	180	128	152	0	171	131	0	0	0	0	0	0
1300	76	0	84	0	141	0	133	0	0	0	0	0	159	0	264	105	159	0	206	101	166	0	204	137	171	0	202	143	0	0	0	0	0	0
1400	98	0	106	0	182	0	181	0	0	0	0	0	143	0	195	98	149	0	204	116	156	0	187	132	160	0	192	132	0	0	0	0	0	0
1500	116	0	130	0	210	0	214	0	0	0	0	0	140	0	182	98	147	0	179	117	151	0	176	128	155	0	177	135	0	0	0	0	0	0
1600	123	0	139	0	229	0	232	0	0	0	0	0	140	0	185	93	147	0	198	114	151	0	173	123	157	0	177	131	0	0	0	0	0	0
1700	110	0	126	0	212	0	208	0	0	0	0	0	148	0	195	104	154	0	200	128	164	0	189	145	167	0	189	142	0	0	0	0	0	0
1800	119	0	119	0	220	0	187	0	0	0	0	0	170	0	240	94	177	0	212	125	183	0	217	155	184	0	208	153	0	0	0	0	0	0
1900	79	0	75	0	168	0	144	0	0	0	0	0	181	0	257	119	188	0	265	99	186	0	226	156	189	0	221	151	0	0	0	0	0	0
2000	98	0	95	0	199	0	163	0	0	0	0	0	193	0	244	102	197	0	268	153	190	0	214	151	191	0	218	162	0	0	0	0	0	0
2100	98	0	91	0	193	0	164	0	0	0	0	0	199	0	259	146	205	0	268	156	197	0	233	169	199	0	236	173	0	0	0	0	0	0
2200	88	0	83	0	178	0	149	0	0	0	0	0	191	0	249	113	198	0	268	140	193	0	217	130	196	0	223	147	0	0	0	0	0	0
2300	67	0	67	0	157	0	131	0	0	0	0	0	192	0	263	111	187	0	245	91	192	0	213	167	193	0	223	159	0	0	0	0	0	0
2400	60	0	65	0	119	0	103	0	0	0	0	0	165	0	251	106	174	0	226	118	177	0	195	137	180	0	200	139	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	502	0	495	0	495	0	487	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
200	496	0	491	0	489	0	482	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	98	0
300	482	0	477	0	478	0	475	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	110	0
400	482	0	477	0	477	0	471	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	110	0
500	486	0	478	0	482	0	475	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	110	0
600	489	0	482	0	484	0	477	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	110	0
700	489	0	482	0	484	0	477	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	110	0
800	486	0	478	0	480	0	475	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	113	0
900	487	0	480	0	482	0	477	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1000	498	0	493	0	495	0	487	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1100	514	0	509	0	507	0	502	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1200	518	0	514	0	511	0	504	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1300	518	0	513	0	509	0	502	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1400	516	0	509	0	505	0	500	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	124	0
1500	527	0	522	0	516	0	509	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	124	0
1600	525	0	518	0	514	0	507	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	124	0
1700	532	0	525	0	527	0	522	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	124	0
1800	559	0	554	0	552	0	547	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
1900	576	0	570	0	570	0	565	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
2000	594	0	588	0	585	0	577	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
2100	603	0	597	0	597	0	590	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
2200	599	0	592	0	592	0	585	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
2300	579	0	572	0	574	0	567	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
2400	563	0	558	0	554	0	549	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLE

	WIND SPD1 - 50 A	S	WIND SPD2 - 50 B	S	WIND SPD3 - 150A	S	WIND SPD4 - 150B	S	WIND SPD5	S	WIND SPD6 - 50 A	S	WIND DIR1 - 50 B	S	MIN	MAX	WIND DIR2 - 150A	S	MIN	MAX	WIND DIR3 - 150B	S	MIN	MAX	WIND DIR4	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	53	0	55	0	129	0	104	0	0	0	0	0	187	0	241	103	191	0	246	135	192	0	212	176	194	0	216	173	0	0	0	0	0	0
200	64	0	60	0	139	0	118	0	0	0	0	0	194	0	243	115	202	0	237	157	198	0	216	180	200	0	221	174	0	0	0	0	0	0
300	89	0	84	0	162	0	134	0	0	0	0	0	203	0	259	133	209	0	260	139	199	0	229	173	202	0	223	177	0	0	0	0	0	0
400	35	0	45	0	66	0	65	0	0	0	0	0	4	0	81	306	3	0	77	286	4	0	43	300	1	0	44	314	0	0	0	0	0	0
500	68	0	72	0	120	0	109	0	0	0	0	0	214	0	254	109	222	0	261	120	209	0	243	163	212	0	257	153	0	0	0	0	0	0
600	65	0	69	0	109	0	101	0	0	0	0	0	219	0	267	162	222	0	261	172	212	0	251	170	213	0	256	166	0	0	0	0	0	0
700	72	0	75	0	111	0	110	0	0	0	0	0	219	0	255	169	226	0	256	192	220	0	244	191	222	0	238	198	0	0	0	0	0	0
800	55	0	66	0	87	0	90	0	0	0	0	0	251	0	310	212	252	0	299	225	251	0	307	237	251	0	303	231	0	0	0	0	0	0
900	12	0	23	0	25	0	28	0	0	0	0	0	276	0	342	193	276	0	339	214	282	0	333	234	281	0	318	241	0	0	0	0	0	0
1000	36	0	44	0	73	0	70	0	0	0	0	0	356	0	54	287	359	0	95	273	2	0	39	331	1	0	46	322	0	0	0	0	0	0
1100	78	0	84	0	117	0	113	0	0	0	0	0	16	0	51	326	17	0	67	335	8	0	31	348	7	0	31	342	0	0	0	0	0	0
1200	91	0	101	0	137	0	133	0	0	0	0	0	25	0	80	338	25	0	67	354	16	0	39	346	13	0	52	344	0	0	0	0	0	0
1300	114	0	124	0	157	0	154	0	0	0	0	0	31	0	68	2	30	0	59	359	25	0	62	5	22	0	58	358	0	0	0	0	0	0
1400	146	0	154	0	184	0	180	0	0	0	0	0	28	0	71	345	29	0	58	354	21	0	41	359	17	0	38	346	0	0	0	0	0	0
1500	130	0	139	0	182	0	177	0	0	0	0	0	30	0	58	345	30	0	55	4	21	0	48	345	19	0	49	348	0	0	0	0	0	0
1600	161	0	166	0	201	0	208	0	0	0	0	0	27	0	65	353	28	0	55	355	19	0	46	355	17	0	41	348	0	0	0	0	0	0
1700	207	0	207	0	290	0	284	0	0	0	0	0	20	0	52	353	20	0	46	0	12	0	50	351	8	0	39	340	0	0	0	0	0	0
1800	164	0	174	0	231	0	227	0	0	0	0	0	31	0	63	334	32	0	57	4	24	0	46	355	21	0	48	346	0	0	0	0	0	0
1900	128	0	143	0	172	0	169	0	0	0	0	0	35	0	69	355	35	0	63	9	31	0	62	5	30	0	67	357	0	0	0	0	0	0
2000	169	0	181	0	238	0	232	0	0	0	0	0	32	0	69	353	32	0	63	8	26	0	45	357	24	0	54	357	0	0	0	0	0	0
2100	210	0	218	0	274	0	271	0	0	0	0	0	31	0	58	6	31	0	61	10	23	0	57	3	23	0	54	3	0	0	0	0	0	0
2200	187	0	196	0	244	0	237	0	0	0	0	0	30	0	75	352	31	0	66	4	25	0	51	0	23	0	50	0	0	0	0	0	0	0
2300	167	0	181	0	228	0	231	0	0	0	0	0	36	0	81	356	38	0	80	8	32	0	62	10	29	0	68	5	0	0	0	0	0	0
2400	212	0	214	0	267	0	261	0	0	0	0	0	28	0	51	6	29	0	53	11	23	0	50	356	20	0	41	355	0	0	0	0	0	0

	AMB. TEM1 - 30 A	S	AMB. TEM2 - 30 B	S	AMB. TEM3 - 180A	S	AMB. TEM4 - 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 - 180A	S	D.T. 2 - 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	552	0	545	0	552	0	545	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	123	0
200	559	0	554	0	565	0	558	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
300	568	0	563	0	565	0	558	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
400	502	0	493	0	493	0	487	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
500	559	0	552	0	550	0	545	0	320	0	320	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
600	554	0	547	0	545	0	538	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
700	549	0	541	0	540	0	534	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
800	525	0	520	0	525	0	520	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
900	514	0	509	0	511	0	504	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
1000	504	0	496	0	495	0	487	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	123	0
1100	496	0	489	0	489	0	482	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
1200	502	0	496	0	489	0	482	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
1300	505	0	498	0	495	0	487	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
1400	504	0	498	0	493	0	487	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
1500	498	0	491	0	489	0	482	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
1600	491	0	486	0	484	0	475	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
1700	478	0	473	0	469	0	464	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
1800	475	0	468	0	466	0	459	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
1900	464	0	459	0	457	0	450	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
2000	441	0	433	0	437	0	430	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	125	0
2100	437	0	430	0	435	0	428	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	126	0
2200	421	0	414	0	421	0	414	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	126	0
2300	412	0	405	0	412	0	405	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	127	0
2400	405	0	397	0	401	0	396	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	128	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	198	0	206	0	256	0	253	0	0	0	0	0	33	0	58	347	33	0	57	15	28	0	54	7	25	0	53	0	0	0	0	0	0
200	146	0	160	0	189	0	191	0	0	0	0	0	37	0	74	351	38	0	60	12	34	0	65	7	32	0	74	357	0	0	0	0	0
300	176	0	185	0	233	0	229	0	0	0	0	0	28	0	55	349	29	0	55	359	23	0	50	351	21	0	59	351	0	0	0	0	0
400	178	0	183	0	234	0	227	0	0	0	0	0	26	0	57	351	26	0	55	4	18	0	50	355	17	0	45	354	0	0	0	0	0
500	144	0	150	0	190	0	188	0	0	0	0	0	27	0	65	351	27	0	55	359	15	0	39	331	13	0	45	333	0	0	0	0	0
600	161	0	167	0	236	0	227	0	0	0	0	0	26	0	99	339	24	0	54	356	15	0	42	358	14	0	46	349	0	0	0	0	0
700	163	0	170	0	216	0	209	0	0	0	0	0	24	0	68	328	24	0	53	349	14	0	56	340	12	0	49	334	0	0	0	0	0
800	148	0	156	0	222	0	215	0	0	0	0	0	25	0	63	341	23	0	54	350	13	0	44	330	10	0	38	332	0	0	0	0	0
900	194	0	198	0	261	0	256	0	0	0	0	0	28	0	72	353	27	0	55	3	20	0	47	344	18	0	41	334	0	0	0	0	0
1000	174	0	179	0	222	0	216	0	0	0	0	0	29	0	63	352	28	0	66	355	22	0	55	349	21	0	55	343	0	0	0	0	0
1100	147	0	155	0	211	0	206	0	0	0	0	0	26	0	59	345	26	0	52	345	15	0	43	328	11	0	43	319	0	0	0	0	0
1200	170	0	137	0	213	0	201	0	0	0	0	0	340	0	66	316	16	0	52	326	10	0	37	328	2	0	34	320	0	0	0	0	0
1300	195	0	164	0	237	0	240	0	0	0	0	0	340	0	64	304	353	0	48	314	360	0	27	325	347	0	24	316	0	0	0	0	0
1400	205	0	0	2	302	0	0	2	0	2	0	2	345	0	0	0	0	2	0	0	345	0	0	0	0	2	0	0	0	2	0	0	2
1500	200	0	0	2	298	0	0	2	0	2	0	2	337	0	0	0	0	2	0	0	342	0	0	0	0	2	0	0	0	2	0	0	2
1600	193	0	0	2	290	0	0	2	0	2	0	2	339	0	0	0	0	2	0	0	345	0	0	0	0	2	0	0	0	2	0	0	2
1700	198	0	0	2	282	0	0	2	0	2	0	2	352	0	0	0	0	2	0	0	348	0	0	0	0	2	0	0	0	2	0	0	2
1800	150	0	0	2	245	0	0	2	0	2	0	2	345	0	0	0	0	2	0	0	354	0	0	0	0	2	0	0	0	2	0	0	2
1900	160	0	0	2	287	0	0	2	0	2	0	2	342	0	0	0	0	2	0	0	350	0	0	0	0	2	0	0	0	2	0	0	2
2000	195	0	0	2	226	0	0	2	0	2	0	2	351	0	0	0	0	2	0	0	359	0	0	0	0	2	0	0	0	2	0	0	2
2100	134	0	0	2	230	0	0	2	0	2	0	2	350	0	0	0	0	2	0	0	350	0	0	0	0	2	0	0	0	2	0	0	2
2200	125	0	0	2	196	0	0	2	0	2	0	2	345	0	0	0	0	2	0	0	346	0	0	0	0	2	0	0	0	2	0	0	2
2300	120	0	0	2	200	0	0	2	0	2	0	2	340	0	0	0	0	2	0	0	350	0	0	0	0	2	0	0	0	2	0	0	2
2400	133	0	0	2	205	0	0	2	0	2	0	2	342	0	0	0	0	2	0	0	360	0	0	0	0	2	0	0	0	2	0	0	2

	AMB. TEM1 -30 A	S	AMB. TEM2 -30 B	S	AMB. TEM3 -180A	S	AMB. TEM4 -180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 -180A	S	D.T. 2 -180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	396	0	390	0	396	0	388	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	129	0
200	372	0	365	0	374	0	367	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	130	0
300	379	0	372	0	381	0	374	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	130	0
400	370	0	363	0	374	0	367	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	130	0
500	363	0	354	0	363	0	358	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	130	0
600	354	0	347	0	363	0	356	0	320	0	320	0	-7	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	130	0
700	365	0	358	0	369	0	361	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	130	0
800	370	0	363	0	361	0	356	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	130	0
900	374	0	367	0	363	0	358	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	130	0
1000	372	0	365	0	360	0	356	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	130	0
1100	379	0	372	0	367	0	361	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	130	0
1200	343	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	347	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	361	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	360	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	356	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	361	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	365	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	361	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	360	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	356	0	0	2	0	2	0	2	0	2	0	2	11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	356	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	351	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	349	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN S	MAX	WIND DIR5	MIN S	MAX	WIND DIR6
100	105	0	0	2	200	0	0	2	0	2	0	2	345	0	0	0	0	2	0	0	353	0	0	0	0	2	0	0	0	2	0	2
200	160	0	0	2	185	0	0	2	0	2	0	2	340	0	0	0	0	2	0	0	350	0	0	0	0	2	0	0	0	2	0	2
300	153	0	0	2	193	0	0	2	0	2	0	2	325	0	0	0	0	2	0	0	340	0	0	0	0	2	0	0	0	2	0	2
400	105	0	0	2	200	0	0	2	0	2	0	2	335	0	0	0	0	2	0	0	335	0	0	0	0	2	0	0	0	2	0	2
500	128	0	0	2	186	0	0	2	0	2	0	2	350	0	0	0	0	2	0	0	334	0	0	0	0	2	0	0	0	2	0	2
600	135	0	0	2	198	0	0	2	0	2	0	2	329	0	0	0	0	2	0	0	334	0	0	0	0	2	0	0	0	2	0	2
700	105	0	0	2	160	0	0	2	0	2	0	2	331	0	0	0	0	2	0	0	333	0	0	0	0	2	0	0	0	2	0	2
800	128	0	0	2	162	0	0	2	0	2	0	2	358	0	0	0	0	2	0	0	340	0	0	0	0	2	0	0	0	2	0	2
900	122	0	0	2	170	0	0	2	0	2	0	2	335	0	0	0	0	2	0	0	351	0	0	0	0	2	0	0	0	2	0	2
1000	135	0	129	0	195	0	163	0	0	0	0	0	332	0	19	281	337	0	9	293	340	0	13	288	338	0	12	280	0	0	0	0
1100	108	0	0	2	173	0	0	2	0	2	0	2	338	0	0	0	0	2	0	0	346	0	0	0	0	2	0	0	0	2	0	2
1200	102	0	0	2	148	0	0	2	0	2	0	2	340	0	0	0	0	2	0	0	343	0	0	0	0	2	0	0	0	2	0	2
1300	98	0	0	2	163	0	0	2	0	2	0	2	325	0	0	0	0	2	0	0	331	0	0	0	0	2	0	0	0	2	0	2
1400	103	0	0	2	182	0	0	2	0	2	0	2	328	0	0	0	0	2	0	0	330	0	0	0	0	2	0	0	0	2	0	2
1500	112	0	0	2	178	0	0	2	0	2	0	2	321	0	0	0	0	2	0	0	332	0	0	0	0	2	0	0	0	2	0	2
1600	141	0	148	0	191	0	185	0	0	0	0	0	335	0	33	272	334	0	19	290	340	0	7	306	336	0	359	278	0	0	0	0
1700	113	0	124	0	160	0	153	0	0	0	0	0	328	0	359	265	329	0	359	288	336	0	7	274	330	0	351	289	0	0	0	0
1800	105	0	114	0	158	0	155	0	0	0	0	0	331	0	27	282	331	0	4	282	337	0	11	285	334	0	6	300	0	0	0	0
1900	125	0	130	0	181	0	176	0	0	0	0	0	338	0	24	285	338	0	16	307	342	0	19	313	338	0	8	305	0	0	0	0
2000	108	0	111	0	161	0	159	0	0	0	0	0	344	0	36	287	344	0	10	296	349	0	15	310	345	0	17	319	0	0	0	0
2100	100	0	106	0	138	0	136	0	0	0	0	0	347	0	33	292	345	0	26	310	350	0	36	325	348	0	32	297	0	0	0	0
2200	67	0	75	0	107	0	106	0	0	0	0	0	3	0	71	298	3	0	72	307	358	0	39	313	351	0	27	305	0	0	0	0
2300	78	0	82	0	127	0	125	0	0	0	0	0	0	0	69	306	359	0	60	317	358	0	46	330	354	0	28	326	0	0	0	0
2400	90	0	95	0	133	0	126	0	0	0	0	0	353	0	43	299	352	0	44	305	353	0	34	324	353	0	59	300	0	0	0	0

	AMB. TEM1 -30 A	S	AMB. TEM2 -30 B	S	AMB. TEM3 -180A	S	AMB. TEM4 -180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 -180A	S	D.T. 2 -180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	343	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	342	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	340	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	338	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	342	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	342	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	338	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	343	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	356	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	358	0	370	0	365	0	360	0	320	0	320	0	-23	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1100	360	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	358	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	365	0	0	2	0	2	0	2	0	2	0	2	-31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	367	0	0	2	0	2	0	2	0	2	0	2	-32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	365	0	0	2	0	2	0	2	0	2	0	2	-31	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	385	0	379	0	374	0	367	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1700	379	0	372	0	367	0	361	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1800	378	0	370	0	367	0	361	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1900	374	0	367	0	365	0	360	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
2000	370	0	363	0	361	0	358	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
2100	374	0	369	0	367	0	361	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
2200	385	0	378	0	378	0	372	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
2300	390	0	383	0	381	0	378	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
2400	388	0	381	0	383	0	378	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	S
100	35	0	44	0	48	0	49	0	0	0	0	0	95	0	137	68	100	0	145	76	83	0	114	67	85	0	116	67	0	0
200	40	0	50	0	48	0	49	0	0	0	0	0	122	0	133	111	129	0	145	124	82	0	103	39	84	0	104	43	0	0
300	45	0	54	0	39	0	39	0	0	0	0	0	126	0	146	107	134	0	152	123	90	0	117	43	91	0	118	33	0	0
400	42	0	52	0	25	0	27	0	0	0	0	0	143	0	177	118	150	0	180	127	72	3	158	0	74	5	169	0	0	0
500	24	0	36	0	33	0	33	0	0	0	0	0	142	0	235	100	146	0	181	92	11	0	54	343	7	0	54	331	0	0
600	18	0	22	0	19	0	19	0	0	0	0	0	187	0	253	125	185	0	227	136	356	3	92	316	351	3	100	292	0	0
700	35	0	44	0	76	0	75	0	0	0	0	0	2	0	87	304	4	0	88	312	347	0	13	319	343	0	19	308	0	0
800	35	0	44	0	37	0	38	0	0	0	0	0	104	0	138	7	111	0	149	11	2	0	49	335	1	0	52	318	0	0
900	53	0	50	0	67	0	71	0	0	0	0	0	141	0	157	112	146	0	170	124	139	0	148	128	145	0	155	136	0	0
1000	47	0	43	0	43	0	46	0	0	0	0	0	123	0	150	86	127	0	150	81	135	0	166	111	140	0	172	117	0	0
1100	23	0	19	0	25	0	25	0	0	0	0	0	281	3	353	181	242	3	350	102	250	0	344	91	246	3	336	95	0	0
1200	50	0	43	0	47	0	51	0	0	0	0	0	249	0	293	181	248	0	329	183	264	0	321	211	262	0	310	214	0	0
1300	55	0	50	0	57	0	59	0	0	0	0	0	294	0	340	234	289	0	330	236	292	0	331	255	288	0	331	238	0	0
1400	51	0	48	0	51	0	54	0	0	0	0	0	264	0	299	221	262	0	304	213	256	0	294	212	252	0	285	182	0	0
1500	57	0	54	0	67	0	71	0	0	0	0	0	300	0	335	271	295	0	330	240	302	0	323	288	297	0	316	277	0	0
1600	41	0	37	0	47	0	50	0	0	0	0	0	300	0	334	241	296	0	353	239	304	0	335	281	299	0	323	272	0	0
1700	17	0	14	0	20	0	23	0	0	0	0	0	341	3	57	278	342	3	61	284	332	0	357	303	328	0	9	297	0	0
1800	42	0	38	0	26	0	28	0	0	0	0	0	107	0	112	101	109	0	125	103	104	0	110	100	109	0	118	104	0	0
1900	51	0	48	0	53	0	54	0	0	0	0	0	124	0	130	117	127	0	147	123	134	0	142	126	140	0	146	133	0	0
2000	49	0	44	0	70	0	74	0	0	0	0	0	148	0	178	127	152	0	192	124	157	0	164	152	164	0	172	157	0	0
2100	49	0	41	0	126	0	97	0	0	0	0	0	177	0	213	142	180	0	243	124	190	0	196	182	190	0	196	183	0	0
2200	52	0	43	0	131	0	113	0	0	0	0	0	180	0	219	143	180	0	240	123	195	0	200	191	196	0	201	190	0	0
2300	61	0	56	0	151	0	113	0	0	0	0	0	177	0	216	146	177	0	237	105	190	0	194	187	189	0	193	185	0	0
2400	70	0	63	0	148	0	124	0	0	0	0	0	150	0	182	127	154	0	191	126	177	0	185	168	179	0	187	172	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	338	0	329	0	333	0	327	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	324	0	314	0	336	0	331	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	320	0	312	0	340	0	334	0	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	325	0	322	0	349	0	342	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	331	0	324	0	360	0	354	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	338	0	329	0	356	0	349	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	365	0	356	0	379	0	374	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	314	0	306	0	372	0	367	0	320	0	320	0	58	0	59	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	340	0	334	0	351	0	345	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	388	0	383	0	378	0	374	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	439	0	433	0	419	0	417	0	320	0	320	0	-20	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	424	0	417	0	410	0	406	0	320	0	320	0	-14	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	439	0	432	0	406	0	403	0	320	0	320	0	-32	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	432	0	424	0	417	0	414	0	320	0	320	0	-14	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	441	0	433	0	403	0	397	0	320	0	320	0	-40	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	433	0	428	0	408	0	403	0	320	0	320	0	-27	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	392	0	383	0	396	0	388	0	320	0	320	0	2	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	379	0	369	0	372	0	365	0	320	0	320	0	-7	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	381	0	372	0	383	0	378	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	370	0	363	0	390	0	383	0	320	0	320	0	18	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	370	0	361	0	396	0	390	0	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	356	0	349	0	385	0	378	0	320	0	320	0	29	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	347	0	340	0	379	0	374	0	320	0	320	0	32	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	343	0	334	0	376	0	369	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0

STATUS (S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN S	MAX	S	WIND DIR5	MIN S	MAX	S	WIND DIR6
100	70	0	67	0	149	0	130	0	0	0	0	0	154	0	186	104	158	0	192	121	174	0	182	165	176	0	183	169	0	0	0	0	0	0
200	68	0	62	0	143	0	137	0	0	0	0	0	150	0	192	122	152	0	199	103	167	0	174	155	169	0	178	160	0	0	0	0	0	0
300	50	0	40	0	113	0	94	0	0	0	0	0	183	0	232	129	181	0	243	101	187	0	207	170	187	0	214	167	0	0	0	0	0	0
400	59	0	51	0	120	0	111	0	0	0	0	0	149	0	186	108	150	0	196	101	170	0	189	151	172	0	184	151	0	0	0	0	0	0
500	78	0	71	0	150	0	142	0	0	0	0	0	154	0	195	119	154	0	212	107	165	0	176	151	168	0	181	149	0	0	0	0	0	0
600	91	0	85	0	178	0	178	0	0	0	0	0	146	0	170	123	148	0	187	104	162	0	177	140	165	0	181	141	0	0	0	0	0	0
700	88	0	82	0	162	0	145	0	0	0	0	0	155	0	204	122	158	0	214	121	170	0	185	140	172	0	186	147	0	0	0	0	0	0
800	93	0	85	0	180	0	157	0	0	0	0	0	163	0	200	117	168	0	217	101	174	0	190	153	174	0	197	114	0	0	0	0	0	0
900	93	0	86	0	155	0	145	0	0	0	0	0	162	0	217	119	168	0	262	103	170	0	195	128	173	0	200	143	0	0	0	0	0	0
1000	107	0	99	0	170	0	164	0	0	0	0	0	160	0	224	100	161	0	213	100	167	0	193	139	170	0	194	141	0	0	0	0	0	0
1100	114	0	105	0	175	0	175	0	0	0	0	0	155	0	190	110	158	0	235	103	165	0	204	139	167	0	195	138	0	0	0	0	0	0
1200	123	0	120	0	208	0	193	0	0	0	0	0	159	0	217	112	168	0	238	101	166	0	202	102	170	0	208	122	0	0	0	0	0	0
1300	109	0	110	0	187	0	171	0	0	0	0	0	165	0	205	111	167	0	211	124	171	0	207	131	174	0	205	123	0	0	0	0	0	0
1400	109	0	104	0	175	0	163	0	0	0	0	0	158	0	239	107	159	0	236	103	169	0	197	136	171	0	195	140	0	0	0	0	0	0
1500	120	0	121	0	191	0	188	0	0	0	0	0	153	0	189	108	157	0	194	102	164	0	197	138	167	0	199	144	0	0	0	0	0	0
1600	121	0	123	0	220	0	224	0	0	0	0	0	145	0	178	115	151	0	195	104	154	0	185	123	160	0	192	126	0	0	0	0	0	0
1700	145	0	148	0	243	0	252	0	0	0	0	0	144	0	174	120	149	0	192	104	154	0	179	129	158	0	181	140	0	0	0	0	0	0
1800	142	0	137	0	239	0	237	0	0	0	0	0	151	0	197	118	156	0	220	101	159	0	184	135	164	0	183	136	0	0	0	0	0	0
1900	150	0	145	0	251	0	238	0	0	0	0	0	159	0	245	126	162	0	217	103	166	0	193	148	170	0	196	148	0	0	0	0	0	0
2000	85	0	78	0	178	0	166	0	0	0	0	0	164	0	268	96	167	0	259	97	173	0	232	128	176	0	216	132	0	0	0	0	0	0
2100	121	0	98	0	222	0	195	0	0	0	0	0	180	0	248	103	183	0	258	103	183	0	220	143	186	0	226	157	0	0	0	0	0	0
2200	131	0	115	0	260	0	221	0	0	0	0	0	186	0	249	107	183	0	260	97	184	0	226	133	187	0	216	148	0	0	0	0	0	0
2300	134	0	112	0	211	0	184	0	0	0	0	0	208	0	260	154	209	0	263	110	200	0	226	165	202	0	244	173	0	0	0	0	0	0
2400	122	0	96	0	200	0	168	0	0	0	0	0	203	0	248	154	208	0	261	149	198	0	237	164	202	0	237	174	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	340	0	333	0	361	0	354	0	320	0	320	0	20	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	343	0	336	0	356	0	351	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	351	0	343	0	351	0	345	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	347	0	340	0	349	0	343	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	345	0	340	0	351	0	345	0	320	0	320	0	5	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	349	0	342	0	351	0	345	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	358	0	351	0	358	0	351	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	358	0	351	0	356	0	351	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	387	0	381	0	370	0	367	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	403	0	396	0	388	0	383	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	433	0	428	0	421	0	414	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	466	0	460	0	448	0	441	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	487	0	482	0	471	0	468	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	507	0	502	0	489	0	484	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	502	0	496	0	491	0	486	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	500	0	493	0	489	0	484	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	486	0	480	0	475	0	320	0	320	0	-5	0	-5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	484	0	477	0	478	0	473	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	489	0	482	0	480	0	475	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	489	0	484	0	484	0	478	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	504	0	502	0	500	0	491	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	507	0	502	0	502	0	496	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	504	0	498	0	496	0	491	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	504	0	496	0	496	0	491	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	108	0	86	0	172	0	148	0	0	0	0	0	205	0	260	133	204	0	257	124	201	0	236	163	203	0	252	159	0	0	0	0	0	0
200	107	0	83	0	168	0	145	0	0	0	0	0	200	0	258	96	203	0	262	145	196	0	224	150	198	0	232	150	0	0	0	0	0	0
300	101	0	81	0	169	0	149	0	0	0	0	0	205	0	258	120	207	0	263	124	195	0	230	133	198	0	232	146	0	0	0	0	0	0
400	120	0	96	0	204	0	178	0	0	0	0	0	211	0	254	171	210	0	262	127	201	0	237	158	204	0	236	170	0	0	0	0	0	0
500	103	0	80	0	161	0	150	0	0	0	0	0	216	0	264	178	219	0	262	169	211	0	250	152	213	0	249	161	0	0	0	0	0	0
600	102	0	81	0	163	0	143	0	0	0	0	0	209	0	261	160	209	0	259	146	201	0	228	166	203	0	228	160	0	0	0	0	0	0
700	107	0	89	0	163	0	152	0	0	0	0	0	220	0	267	154	222	0	262	168	212	0	244	171	213	0	242	182	0	0	0	0	0	0
800	121	0	110	0	173	0	172	0	0	0	0	0	228	0	256	197	231	0	262	186	222	0	252	196	225	0	251	200	0	0	0	0	0	0
900	119	0	111	0	172	0	180	0	0	0	0	0	234	0	273	184	237	0	281	194	229	0	260	200	229	0	264	201	0	0	0	0	0	0
1000	187	0	182	0	269	0	282	0	0	0	0	0	249	0	273	227	249	0	296	216	250	0	263	242	249	0	264	240	0	0	0	0	0	0
1100	193	0	178	0	252	0	265	0	0	0	0	0	264	0	279	246	262	0	303	236	261	0	278	250	261	0	287	254	0	0	0	0	0	0
1200	236	0	239	0	290	0	303	0	0	0	0	0	264	0	284	246	263	0	326	218	262	0	276	232	261	0	286	199	0	0	0	0	0	0
1300	306	0	304	0	346	0	357	0	0	0	0	0	266	0	297	250	262	0	284	216	270	0	299	254	268	0	291	249	0	0	0	0	0	0
1400	348	0	345	0	389	0	408	0	0	0	0	0	266	0	283	253	266	0	304	239	269	0	299	250	266	0	280	243	0	0	0	0	0	0
1500	297	0	298	0	331	0	342	0	0	0	0	0	269	0	294	250	266	0	304	235	274	0	298	250	271	0	297	245	0	0	0	0	0	0
1600	269	0	256	0	300	0	317	0	0	0	0	0	272	0	298	243	269	0	306	216	279	0	326	238	274	0	307	231	0	0	0	0	0	0
1700	344	0	340	0	397	0	417	0	0	0	0	0	265	0	279	243	265	0	302	223	266	0	289	252	264	0	283	246	0	0	0	0	0	0
1800	309	0	318	0	362	0	376	0	0	0	0	0	268	0	292	247	266	0	292	218	272	0	297	256	269	0	302	233	0	0	0	0	0	0
1900	310	0	305	0	359	0	370	0	0	0	0	0	268	0	300	247	265	0	303	237	274	0	310	251	270	0	302	241	0	0	0	0	0	0
2000	319	0	313	0	366	0	377	0	0	0	0	0	269	0	300	245	269	0	307	236	273	0	317	241	272	0	304	248	0	0	0	0	0	0
2100	336	0	334	0	383	0	395	0	0	0	0	0	270	0	304	247	268	0	305	237	273	0	296	246	270	0	295	233	0	0	0	0	0	0
2200	307	0	313	0	353	0	375	0	0	0	0	0	272	0	318	251	268	0	326	217	277	0	305	251	272	0	320	232	0	0	0	0	0	0
2300	279	0	273	0	315	0	327	0	0	0	0	0	272	0	302	246	272	0	307	237	279	0	319	242	275	0	321	220	0	0	0	0	0	0
2400	281	0	279	0	315	0	321	0	0	0	0	0	269	0	298	235	268	0	306	222	275	0	305	233	270	0	302	242	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	493	0	487	0	487	0	482	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
200	498	0	491	0	491	0	486	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
300	493	0	487	0	486	0	480	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
400	495	0	489	0	487	0	482	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
500	502	0	496	0	495	0	489	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
600	504	0	498	0	496	0	491	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
700	507	0	502	0	500	0	495	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
800	500	0	495	0	491	0	486	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
900	498	0	495	0	493	0	484	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1000	495	0	489	0	487	0	482	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1100	493	0	489	0	480	0	473	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1200	482	0	477	0	471	0	466	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1300	460	0	453	0	448	0	442	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1400	437	0	430	0	426	0	421	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1500	421	0	414	0	410	0	405	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1600	354	0	349	0	347	0	342	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1700	374	0	369	0	365	0	358	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1800	367	0	360	0	358	0	351	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
1900	363	0	356	0	354	0	347	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
2000	354	0	349	0	345	0	340	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
2100	354	0	347	0	345	0	338	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
2200	358	0	351	0	349	0	343	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
2300	356	0	351	0	347	0	342	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0
2400	354	0	347	0	345	0	338	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	131	0

STATUS CODE DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1 MIN 50	WIND DIR1 MAX 50 B S	WIND DIR2 MIN 150A S	WIND DIR2 MAX	WIND DIR3 MIN 150B S	WIND DIR3 MAX	WIND DIR4 MIN S	WIND DIR4 MAX	WIND DIR5 MIN S	WIND DIR5 MAX	WIND DIR6
100	252 0	244 0	297 0	307 0	0 0	0 0	275 0	310 240	271 0	327 217	278 0	327 221	276 0	313 234	0 0	0 0	0
200	265 0	256 0	308 0	324 0	0 0	0 0	289 0	313 256	283 0	323 237	289 0	316 237	284 0	322 235	0 0	0 0	0
300	279 0	261 0	331 0	345 0	0 0	0 0	291 0	312 261	289 0	328 248	275 0	312 269	288 0	307 260	0 0	0 0	0
400	243 0	230 0	275 0	289 0	0 0	0 0	289 0	310 249	285 0	317 238	291 0	351 251	284 0	308 257	0 0	0 0	0
500	274 0	263 0	326 0	337 0	0 0	0 0	296 0	319 268	291 0	325 244	299 0	311 269	293 0	302 272	0 0	0 0	0
600	233 0	225 0	278 0	285 0	0 0	0 0	286 0	311 258	284 0	326 239	285 0	312 227	282 0	322 231	0 0	0 0	0
700	273 0	251 0	310 0	325 0	0 0	0 0	293 0	317 263	291 0	325 260	294 0	309 261	289 0	304 266	0 0	0 0	0
800	255 0	265 0	325 0	342 0	0 0	0 0	295 0	309 278	292 0	326 261	305 0	308 282	292 0	301 275	0 0	0 0	0
900	246 0	0 2	320 0	0 2	0 2	0 2	292 0	0 0	0 2	0 0	308 0	0 0	0 2	0 0	0 2	0 0	2
1000	225 0	0 2	303 0	0 2	0 2	0 2	295 0	0 0	0 2	0 0	308 0	0 0	0 2	0 0	0 2	0 0	2
1100	203 0	0 2	280 0	0 2	0 2	0 2	299 0	0 0	0 2	0 0	310 0	0 0	0 2	0 0	0 2	0 0	2
1200	197 0	0 2	276 0	0 2	0 2	0 2	300 0	0 0	0 2	0 0	306 0	0 0	0 2	0 0	0 2	0 0	2
1300	195 0	0 2	234 0	0 2	0 2	0 2	293 0	0 0	0 2	0 0	310 0	0 0	0 2	0 0	0 2	0 0	2
1400	190 0	0 2	268 0	0 2	0 2	0 2	292 0	0 0	0 2	0 0	300 0	0 0	0 2	0 0	0 2	0 0	2
1500	225 0	0 2	288 0	0 2	0 2	0 2	295 0	0 0	0 2	0 0	302 0	0 0	0 2	0 0	0 2	0 0	2
1600	218 0	0 2	300 0	0 2	0 2	0 2	294 0	0 0	0 2	0 0	308 0	0 0	0 2	0 0	0 2	0 0	2
1700	220 0	0 2	315 0	0 2	0 2	0 2	296 0	0 0	0 2	0 0	312 0	0 0	0 2	0 0	0 2	0 0	2
1800	218 0	0 2	298 0	0 2	0 2	0 2	298 0	0 0	0 2	0 0	311 0	0 0	0 2	0 0	0 2	0 0	2
1900	224 0	0 2	308 0	0 2	0 2	0 2	300 0	0 0	0 2	0 0	309 0	0 0	0 2	0 0	0 2	0 0	2
2000	254 0	238 0	309 0	315 0	0 0	0 0	299 0	314 284	298 0	324 265	304 0	316 294	298 0	311 290	0 0	0 0	0
2100	231 0	223 0	290 0	297 0	0 0	0 0	300 0	317 280	299 0	327 265	305 0	316 295	297 0	308 289	0 0	0 0	0
2200	232 0	220 0	287 0	294 0	0 0	0 0	299 0	316 283	296 0	328 271	304 0	317 295	298 0	308 292	0 0	0 0	0
2300	237 0	231 0	295 0	302 0	0 0	0 0	298 0	312 281	294 0	327 262	303 0	314 288	298 0	306 284	0 0	0 0	0
2400	231 0	211 0	284 0	291 0	0 0	0 0	295 0	311 277	292 0	330 259	301 0	314 291	296 0	308 286	0 0	0 0	0

	AMB. TEM1 30 A S	AMB. TEM2 30-B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	349 0	343 0	340 0	333 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0
200	340 0	333 0	327 0	322 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0
300	329 0	322 0	317 0	310 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0
400	322 0	310 0	306 0	301 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0
500	320 0	312 0	305 0	299 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0
600	312 0	305 0	299 0	294 0	320 0	320 0	-13 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0
700	301 0	294 0	287 0	281 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0
800	282 0	0 2	0 2	0 2	0 2	0 2	-31 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
900	279 0	0 2	0 2	0 2	0 2	0 2	-32 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1000	275 0	0 2	0 2	0 2	0 2	0 2	-34 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1100	282 0	0 2	0 2	0 2	0 2	0 2	-34 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1200	289 0	0 2	0 2	0 2	0 2	0 2	-36 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1300	302 0	0 2	0 2	0 2	0 2	0 2	-38 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1400	311 0	0 2	0 2	0 2	0 2	0 2	-40 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1500	324 0	0 2	0 2	0 2	0 2	0 2	-38 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1600	331 0	0 2	0 2	0 2	0 2	0 2	-31 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1700	342 0	0 2	0 2	0 2	0 2	0 2	-29 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1800	336 0	0 2	0 2	0 2	0 2	0 2	-23 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
1900	340 0	0 2	0 2	0 2	0 2	0 2	-20 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2000	369 0	361 0	378 0	370 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0
2100	374 0	369 0	381 0	374 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0
2200	376 0	370 0	381 0	374 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0
2300	379 0	374 0	385 0	378 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0
2400	385 0	378 0	390 0	383 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	131 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	214	0	193	0	260	0	268	0	0	0	0	0	294	0	318	274	290	0	328	261	298	0	315	278	293	0	308	267	0	0	0	0	0	0
200	209	0	195	0	238	0	250	0	0	0	0	0	295	0	310	272	291	0	334	260	297	0	314	268	292	0	305	270	0	0	0	0	0	0
300	179	0	174	0	201	0	210	0	0	0	0	0	293	0	318	252	290	0	309	258	293	0	314	261	288	0	314	235	0	0	0	0	0	0
400	127	0	121	0	142	0	151	0	0	0	0	0	285	0	330	235	282	0	352	239	289	0	314	241	285	0	311	229	0	0	0	0	0	0
500	118	0	113	0	139	0	145	0	0	0	0	0	269	0	304	240	268	0	305	214	273	0	301	241	269	0	302	235	0	0	0	0	0	0
600	86	0	82	0	120	0	127	0	0	0	0	0	238	0	270	210	239	0	304	195	244	0	265	212	242	0	263	219	0	0	0	0	0	0
700	65	0	50	0	111	0	119	0	0	0	0	0	214	0	241	190	215	0	255	187	232	0	253	215	232	0	253	219	0	0	0	0	0	0
800	69	0	50	0	114	0	107	0	0	0	0	0	205	0	228	176	207	0	241	149	214	0	224	200	216	0	224	205	0	0	0	0	0	0
900	41	0	32	0	82	0	72	0	0	0	0	0	186	0	254	119	185	0	259	104	196	0	218	182	197	0	216	174	0	0	0	0	0	0
1000	29	0	19	0	55	0	52	0	0	0	0	0	199	0	252	104	200	3	263	101	206	0	238	164	206	0	236	154	0	0	0	0	0	0
1100	46	0	41	0	46	0	49	0	0	0	0	0	242	0	294	197	244	0	330	195	231	0	265	203	230	0	264	193	0	0	0	0	0	0
1200	80	0	78	0	94	0	99	0	0	0	0	0	239	0	276	200	240	0	283	195	235	0	293	208	236	0	288	207	0	0	0	0	0	0
1300	99	0	97	0	108	0	116	0	0	0	0	0	247	0	267	222	247	0	283	214	239	0	262	178	238	0	261	189	0	0	0	0	0	0
1400	113	0	113	0	137	0	144	0	0	0	0	0	246	0	279	222	244	0	282	215	246	0	278	218	244	0	277	214	0	0	0	0	0	0
1500	99	0	96	0	122	0	130	0	0	0	0	0	248	0	279	217	249	0	285	215	249	0	261	234	247	0	258	234	0	0	0	0	0	0
1600	93	0	92	0	118	0	127	0	0	0	0	0	247	0	281	213	248	0	282	215	245	0	258	227	244	0	256	227	0	0	0	0	0	0
1700	76	0	72	0	98	0	106	0	0	0	0	0	238	0	267	205	239	0	279	211	237	0	261	205	236	0	264	211	0	0	0	0	0	0
1800	57	0	41	0	89	0	80	0	0	0	0	0	214	0	248	175	214	0	258	171	211	0	229	182	213	0	233	171	0	0	0	0	0	0
1900	59	0	47	0	120	0	99	0	0	0	0	0	194	0	244	108	200	0	263	104	193	0	213	169	194	0	212	176	0	0	0	0	0	0
2000	63	0	51	0	117	0	102	0	0	0	0	0	202	0	256	158	202	0	243	146	200	0	218	177	201	0	222	173	0	0	0	0	0	0
2100	47	0	36	0	87	0	73	0	0	0	0	0	191	0	254	124	194	0	264	101	193	0	214	171	194	0	213	169	0	0	0	0	0	0
2200	72	0	57	0	95	0	91	0	0	0	0	0	218	0	250	189	219	0	243	191	214	0	239	194	214	0	233	196	0	0	0	0	0	0
2300	65	0	54	0	88	0	91	0	0	0	0	0	225	0	253	178	228	0	259	192	222	0	244	196	223	0	241	188	0	0	0	0	0	0
2400	76	0	64	0	102	0	106	0	0	0	0	0	224	0	280	197	227	0	263	192	225	0	250	205	226	0	251	208	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	383	0	378	0	387	0	381	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	390	0	383	0	392	0	385	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	388	0	381	0	390	0	383	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	387	0	381	0	392	0	385	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	388	0	383	0	392	0	387	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	370	0	363	0	376	0	369	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	292	0	287	0	331	0	322	0	320	0	320	0	23	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	276	0	269	0	305	0	297	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	287	0	281	0	294	0	287	0	320	0	320	0	-7	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	317	0	310	0	320	0	312	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	356	0	349	0	358	0	351	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	374	0	370	0	374	0	367	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	385	0	379	0	387	0	381	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	394	0	387	0	392	0	385	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	403	0	396	0	399	0	392	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	403	0	397	0	401	0	396	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	405	0	397	0	405	0	397	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	396	0	390	0	397	0	390	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	383	0	378	0	387	0	381	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	383	0	378	0	390	0	383	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	376	0	369	0	381	0	376	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	374	0	369	0	378	0	372	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	376	0	370	0	378	0	372	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	379	0	372	0	383	0	376	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION. 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	57	0	47	0	84	0	83	0	0	0	0	0	220	0	268	172	223	0	264	150	218	0	249	192	218	0	244	187	0	0	0	0	0	0
200	48	0	35	0	82	0	74	0	0	0	0	0	204	0	265	151	207	0	266	146	207	0	225	188	208	0	229	189	0	0	0	0	0	0
300	57	0	55	0	78	0	84	0	0	0	0	0	235	0	265	208	236	0	266	192	242	0	264	211	240	0	260	222	0	0	0	0	0	0
400	85	0	80	0	90	0	96	0	0	0	0	0	281	0	319	222	278	0	328	220	281	0	313	246	279	0	314	233	0	0	0	0	0	0
500	96	0	93	0	102	0	110	0	0	0	0	0	287	0	314	250	285	0	327	239	287	0	316	242	282	0	316	233	0	0	0	0	0	0
600	61	0	57	0	74	0	78	0	0	0	0	0	297	0	330	249	295	0	333	259	295	0	316	253	291	0	310	244	0	0	0	0	0	0
700	67	0	60	0	76	0	82	0	0	0	0	0	293	0	326	257	287	0	330	259	295	0	313	267	291	0	318	266	0	0	0	0	0	0
800	87	0	77	0	95	0	101	0	0	0	0	0	297	0	331	280	295	0	333	259	297	0	316	277	292	0	313	277	0	0	0	0	0	0
900	75	0	69	0	84	0	90	0	0	0	0	0	296	0	326	273	292	0	328	241	299	0	320	269	294	0	311	285	0	0	0	0	0	0
1000	57	0	52	0	65	0	69	0	0	0	0	0	305	0	328	273	300	0	330	240	315	0	4	288	309	0	335	289	0	0	0	0	0	0
1100	48	0	44	0	49	0	51	0	0	0	0	0	343	0	3	311	339	0	13	307	341	0	26	318	337	0	5	313	0	0	0	0	0	0
1200	52	0	48	0	55	0	57	0	0	0	0	0	324	0	9	285	320	0	353	262	328	0	355	275	325	0	348	277	0	0	0	0	0	0
1300	58	0	54	0	70	0	70	0	0	0	0	0	340	0	17	278	334	0	36	283	342	0	9	315	338	0	4	297	0	0	0	0	0	0
1400	38	0	34	0	46	0	50	0	0	0	0	0	318	0	351	279	314	0	354	262	324	0	8	286	319	0	7	275	0	0	0	0	0	0
1500	97	0	92	0	114	0	117	0	0	0	0	0	35	0	79	13	34	0	102	11	35	0	59	14	34	0	62	11	0	0	0	0	0	0
1600	82	0	83	0	109	0	119	0	0	0	0	0	53	0	91	18	52	0	105	12	41	0	73	12	41	0	75	2	0	0	0	0	0	0
1700	125	0	120	0	153	0	155	0	0	0	0	0	40	0	64	13	40	0	83	352	32	0	57	6	31	0	59	2	0	0	0	0	0	0
1800	130	0	124	0	157	0	155	0	0	0	0	0	34	0	58	13	34	0	79	12	29	0	54	7	26	0	58	8	0	0	0	0	0	0
1900	105	0	99	0	124	0	125	0	0	0	0	0	34	0	51	16	31	0	60	350	28	0	53	355	26	0	63	358	0	0	0	0	0	0
2000	105	0	102	0	131	0	128	0	0	0	0	0	34	0	67	5	32	0	61	352	31	0	51	13	26	0	44	2	0	0	0	0	0	0
2100	77	0	86	0	99	0	119	0	0	0	0	0	64	0	90	44	65	0	97	36	58	0	75	39	60	0	87	31	0	0	0	0	0	0
2200	86	0	92	0	119	0	141	0	0	0	0	0	59	0	81	33	62	0	103	37	53	0	76	33	54	0	77	36	0	0	0	0	0	0
2300	79	0	81	0	109	0	121	0	0	0	0	0	49	0	65	26	48	0	81	14	43	0	69	21	42	0	62	20	0	0	0	0	0	0
2400	95	0	99	0	123	0	137	0	0	0	0	0	49	0	77	24	48	0	84	12	43	0	69	21	43	0	75	15	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	370	0	363	0	378	0	370	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	365	0	358	0	372	0	365	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	372	0	365	0	381	0	374	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	399	0	392	0	401	0	394	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	397	0	392	0	399	0	392	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	392	0	387	0	396	0	388	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	392	0	385	0	394	0	387	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	390	0	383	0	392	0	387	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	392	0	385	0	388	0	383	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	396	0	388	0	390	0	385	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	394	0	388	0	388	0	383	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	396	0	390	0	392	0	387	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	399	0	392	0	390	0	385	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	390	0	383	0	388	0	381	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	383	0	378	0	383	0	376	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	379	0	372	0	376	0	370	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	379	0	372	0	378	0	372	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	372	0	365	0	372	0	365	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	361	0	354	0	360	0	352	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	361	0	352	0	363	0	356	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	331	0	324	0	336	0	329	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	315	0	308	0	325	0	317	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	303	0	296	0	314	0	306	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	283	0	276	0	294	0	287	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	88	0	91	0	114	0	128	0	0	0	0	0	47	0	72	21	48	0	83	14	44	0	67	21	44	0	73	19	0	0	0	0	0	0
200	89	0	96	0	121	0	142	0	0	0	0	0	57	0	76	34	56	0	93	34	51	0	85	23	52	0	80	32	0	0	0	0	0	0
300	76	0	76	0	98	0	116	0	0	0	0	0	70	0	90	41	70	0	102	36	61	0	86	42	63	0	87	46	0	0	0	0	0	0
400	70	0	74	0	94	0	107	0	0	0	0	0	50	0	69	26	48	0	80	14	44	0	61	21	43	0	67	10	0	0	0	0	0	0
500	91	0	93	0	114	0	132	0	0	0	0	0	73	0	95	57	75	0	104	47	66	0	82	50	67	0	90	50	0	0	0	0	0	0
600	87	0	86	0	113	0	133	0	0	0	0	0	76	0	93	54	78	0	106	56	66	0	77	47	66	0	80	44	0	0	0	0	0	0
700	94	0	89	0	137	0	140	0	0	0	0	0	84	0	112	67	85	0	125	57	75	0	88	63	76	0	87	65	0	0	0	0	0	0
800	85	0	81	0	114	0	114	0	0	0	0	0	89	0	110	74	92	0	126	60	82	0	94	47	84	0	98	58	0	0	0	0	0	0
900	69	0	67	0	83	0	88	0	0	0	0	0	106	0	138	81	110	0	149	79	103	0	134	75	106	0	133	79	0	0	0	0	0	0
1000	75	0	69	0	79	0	81	0	0	0	0	0	92	0	127	59	95	0	129	60	89	0	124	62	92	0	144	66	0	0	0	0	0	0
1100	80	0	79	0	85	0	88	0	0	0	0	0	84	0	113	58	87	0	124	56	81	0	112	48	82	0	116	32	0	0	0	0	0	0
1200	77	0	80	0	87	0	102	0	0	0	0	0	70	0	122	46	70	0	106	36	67	0	101	38	69	0	107	41	0	0	0	0	0	0
1300	92	0	88	0	107	0	103	0	0	0	0	0	1	0	60	296	0	0	80	279	3	0	40	310	359	0	40	305	0	0	0	0	0	0
1400	46	0	42	0	54	0	57	0	0	0	0	0	38	0	73	358	33	0	82	352	28	0	76	335	27	0	84	337	0	0	0	0	0	0
1500	17	0	14	0	14	0	13	0	0	0	0	0	240	0	344	181	239	0	349	188	227	0	356	184	224	0	333	181	0	0	0	0	0	0
1600	17	0	14	0	22	0	21	0	0	0	0	0	161	0	251	94	163	3	240	101	177	0	266	137	177	0	250	141	0	0	0	0	0	0
1700	52	0	49	0	69	0	70	0	0	0	0	0	185	0	258	24	184	0	263	12	193	0	258	49	209	0	263	91	0	0	0	0	0	0
1800	19	0	17	0	16	0	20	0	0	0	0	0	187	0	269	95	192	3	266	100	32	3	148	271	51	3	178	286	0	0	0	0	0	0
1900	61	0	56	0	82	0	84	0	0	0	0	0	87	0	109	68	92	0	108	61	75	0	85	62	76	0	85	62	0	0	0	0	0	0
2000	84	0	78	0	122	0	121	0	0	0	0	0	101	0	109	79	105	0	125	78	87	0	92	81	87	0	94	83	0	0	0	0	0	0
2100	53	0	54	0	76	0	93	0	0	0	0	0	66	0	80	50	68	0	102	55	65	0	75	55	65	0	71	59	0	0	0	0	0	0
2200	52	0	49	0	77	0	78	0	0	0	0	0	97	0	107	88	103	0	124	81	85	0	92	78	85	0	91	76	0	0	0	0	0	0
2300	47	0	43	0	62	0	65	0	0	0	0	0	124	0	134	118	128	0	147	121	115	0	123	109	117	0	123	113	0	0	0	0	0	0
2400	35	0	34	0	44	0	47	0	0	0	0	0	148	0	172	125	153	0	192	126	127	0	137	115	130	0	139	115	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	283	0	274	0	288	0	281	0	320	0	320	0	-7	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	272	0	265	0	274	0	269	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	265	0	258	0	267	0	260	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	256	0	247	0	252	0	247	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	251	0	243	0	247	0	242	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	243	0	236	0	243	0	238	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	240	0	233	0	238	0	233	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	242	0	234	0	236	0	231	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	256	0	249	0	245	0	240	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	285	0	279	0	276	0	269	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	305	0	299	0	292	0	287	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	315	0	310	0	297	0	292	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	329	0	324	0	306	0	301	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	294	0	288	0	279	0	274	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	281	0	274	0	272	0	267	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	303	0	297	0	285	0	278	0	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	288	0	281	0	285	0	279	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	270	0	263	0	261	0	256	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	279	0	270	0	283	0	278	0	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	274	0	267	0	287	0	281	0	320	0	320	0	13	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	274	0	267	0	279	0	274	0	320	0	320	0	5	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	272	0	263	0	276	0	270	0	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	272	0	265	0	267	0	261	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	270	0	261	0	269	0	261	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0

STATUS CODE DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLE

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
														50 B	S		150A	S		150B	S			S			S	
100	41	0	36	0	45	0	46	0	0	0	0	0	113	0	165	74	119	0	173	80	95	0	119	72	96	0	121	71	0
200	42	0	38	0	59	0	60	0	0	0	0	0	98	0	125	73	100	0	145	58	92	0	111	72	94	0	108	78	0
300	36	0	32	0	42	0	45	0	0	0	0	0	138	0	147	120	143	0	152	126	127	0	139	117	130	0	143	119	0
400	28	0	24	0	27	0	29	0	0	0	0	0	136	0	156	99	138	0	169	100	125	0	141	108	129	0	142	103	0
500	21	0	17	0	17	0	21	0	0	0	0	0	98	3	141	69	101	3	146	78	70	3	103	36	73	3	110	26	0
600	37	0	33	0	49	0	52	0	0	0	0	0	85	0	123	58	87	0	128	57	77	0	99	49	80	0	102	61	0
700	39	0	35	0	58	0	61	0	0	0	0	0	132	0	251	94	133	0	191	100	98	0	134	83	101	0	143	68	0
800	37	0	34	0	46	0	49	0	0	0	0	0	130	0	147	116	136	0	153	122	101	0	111	84	104	0	115	87	0
900	47	0	40	0	75	0	59	0	0	0	0	0	190	0	221	156	192	0	237	147	181	0	192	160	182	0	191	162	0
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	2
1100	32	0	33	0	38	0	42	0	0	0	0	0	130	0	156	101	139	0	153	121	137	0	160	121	140	0	169	121	0
1200	20	0	19	0	28	0	30	0	0	0	0	0	167	0	226	95	167	3	217	121	152	0	213	115	156	0	191	120	0
1300	32	0	31	0	38	0	41	0	0	0	0	0	134	0	210	90	140	0	197	98	144	0	202	120	148	0	205	117	0
1400	26	0	24	0	24	0	28	0	0	0	0	0	124	0	181	91	127	0	173	99	137	0	194	102	217	2	261	180	0
1500	32	0	31	0	33	0	36	0	0	0	0	0	112	0	148	82	117	0	147	80	119	0	179	90	197	2	257	163	0
1600	34	0	31	0	39	0	41	0	0	0	0	0	126	0	151	108	131	0	150	102	137	0	160	119	216	2	241	196	0
1700	23	0	23	0	29	0	31	0	0	0	0	0	128	0	190	105	135	0	192	101	145	0	164	126	224	2	250	203	0
1800	33	0	28	0	59	0	49	0	0	0	0	0	171	0	215	131	172	3	217	124	177	0	194	163	252	2	271	239	0
1900	37	0	32	0	51	0	41	0	0	0	0	0	169	0	203	124	172	0	215	127	180	0	194	163	255	2	265	239	0
2000	42	0	35	0	40	0	35	0	0	0	0	0	178	0	217	123	181	0	216	121	194	0	206	181	269	2	276	256	0
2100	45	0	37	0	13	0	14	0	0	0	0	0	185	0	211	135	189	0	221	146	193	3	269	98	244	2	355	101	0
2200	25	0	22	0	34	0	37	0	0	0	0	0	262	3	355	187	312	3	173	189	303	0	357	219	25	2	147	292	0
2300	48	0	49	0	62	0	68	0	0	0	0	0	49	0	93	25	50	0	106	15	40	0	57	10	114	2	134	79	0
2400	63	0	59	0	84	0	83	0	0	0	0	0	82	0	105	69	83	0	106	60	81	0	89	73	157	2	164	144	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	272	0	263	0	269	0	263	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	265	0	256	0	261	0	254	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	258	0	249	0	258	0	252	0	320	0	320	0	2	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	265	0	258	0	270	0	265	0	320	0	320	0	5	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	263	0	254	0	265	0	260	0	320	0	320	0	2	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	251	0	243	0	245	0	240	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	243	0	236	0	245	0	240	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	251	0	243	0	260	0	252	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	258	0	249	0	261	0	256	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	272	0	265	0	270	0	265	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	274	0	269	0	261	0	256	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	285	0	279	0	272	0	267	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	294	0	287	0	281	0	278	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	292	0	285	0	281	0	276	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1500	299	0	296	0	292	0	287	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1600	294	0	287	0	283	0	278	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1700	288	0	281	0	281	0	274	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1800	285	0	279	0	283	0	278	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1900	287	0	281	0	288	0	283	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2000	290	0	283	0	296	0	290	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2100	297	0	290	0	303	0	297	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2200	305	0	297	0	312	0	306	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2300	314	0	306	0	306	0	301	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2400	292	0	285	0	287	0	281	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1 MIN	WIND DIR1 MAX	WIND DIR2 MIN	WIND DIR2 MAX	WIND DIR3 MIN	WIND DIR3 MAX	WIND DIR4 MIN	WIND DIR4 MAX	WIND DIR5 MIN S	WIND DIR5 MAX S	WIND DIR6 MIN S	WIND DIR6 MAX S
													50 B S		150A S		150B S							
100	55	0	51	0	83	0	83	0	0	0	0	0	90 0	116	75	91 0	127	60	84	0 96	75	158 2	167	145	0 0	0	0	0
200	63	0	60	0	88	0	89	0	0	0	0	0	88 0	110	59	88 0	125	59	83	0 100	67	158 2	177	138	0 0	0	0	0
300	57	0	51	0	81	0	84	0	0	0	0	0	100 0	119	83	102 0	146	72	94	0 105	84	169 2	187	161	0 0	0	0	0
400	60	0	53	0	80	0	82	0	0	0	0	0	108 0	124	91	112 0	148	82	100	0 110	88	176 2	186	165	0 0	0	0	0
500	68	0	62	0	87	0	89	0	0	0	0	0	112 0	124	93	117 0	131	101	107	0 120	95	183 2	190	176	0 0	0	0	0
600	65	0	56	0	84	0	87	0	0	0	0	0	112 0	126	90	115 0	147	81	109	0 118	99	185 2	195	178	0 0	0	0	0
700	76	0	69	0	103	0	108	0	0	0	0	0	119 0	136	99	123 0	146	83	118	0 128	109	194 2	205	182	0 0	0	0	0
800	80	0	74	0	102	0	110	0	0	0	0	0	124 0	141	109	130 0	151	104	127	0 139	117	204 2	213	193	0 0	0	0	0
900	75	0	75	0	98	0	103	0	0	0	0	0	129 0	143	116	135 0	168	120	131	0 146	119	208 2	222	196	0 0	0	0	0
1000	79	0	78	0	91	0	95	0	0	0	0	0	119 0	139	96	125 0	166	101	131	0 157	109	208 2	239	188	0 0	0	0	0
1100	79	0	76	0	86	0	88	0	0	0	0	0	122 0	156	93	128 0	168	81	124	0 153	86	200 2	218	165	0 0	0	0	0
1200	45	0	41	0	49	0	54	0	0	0	0	0	122 0	163	57	127 0	172	56	129	0 168	64	206 2	241	140	0 0	0	0	0
1300	34	0	33	0	30	0	33	0	0	0	0	0	137 0	176	84	143 0	171	82	141	0 190	91	214 2	259	138	0 0	0	0	0
1400	47	0	43	0	44	0	49	0	0	0	0	0	295 0	328	240	290 0	330	216	304	0 329	271	12 2	47	342	0 0	0	0	0
1500	44	0	42	0	44	0	47	0	0	0	0	0	314 0	353	247	310 0	352	239	323	0 7	289	30 2	62	359	0 0	0	0	0
1600	42	0	37	0	49	0	51	0	0	0	0	0	304 0	349	235	298 0	349	239	311	0 340	288	19 2	56	348	0 0	0	0	0
1700	32	0	27	0	32	0	34	0	0	0	0	0	354 0	35	325	350 3	37	308	345	0 18	326	55 2	96	37	0 0	0	0	0
1800	28	0	23	0	25	0	27	0	0	0	0	0	10 3	27	347	8 3	34	329	358	3 20	335	68 2	89	37	0 0	0	0	0
1900	31	0	33	0	23	0	29	0	0	0	0	0	68 0	76	58	71 0	87	58	53	3 61	43	129 2	138	118	0 0	0	0	0
2000	54	0	49	0	41	0	43	0	0	0	0	0	103 0	105	101	106 0	106	104	94	0 97	89	171 2	174	167	0 0	0	0	0
2100	56	0	51	0	53	0	56	0	0	0	0	0	123 0	128	118	127 0	131	124	112	0 114	111	189 2	191	187	0 0	0	0	0
2200	63	0	62	0	109	0	112	0	0	0	0	0	139 0	158	124	144 0	170	122	135	0 143	120	212 2	219	178	0 0	0	0	0
2300	66	0	60	0	143	0	144	0	0	0	0	0	154 0	181	133	158 0	195	127	164	0 168	160	242 2	246	238	0 0	0	0	0
2400	71	0	66	0	144	0	145	0	0	0	0	0	151 0	191	125	154 0	195	127	164	0 177	154	240 2	256	222	0 0	0	0	0

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S	D.T. 1 180B S	D.T. 2 S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	294	0	287	0	292	0	287	0	320	0	320	0	2 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
200	294	0	287	0	287	0	281	0	320	0	320	0	-5 0	-4 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
300	288	0	283	0	283	0	278	0	320	0	320	0	-5 0	-4 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
400	285	0	279	0	279	0	274	0	320	0	320	0	-5 0	-4 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
500	283	0	278	0	278	0	272	0	320	0	320	0	-5 0	-4 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
600	283	0	276	0	276	0	270	0	320	0	320	0	-5 0	-4 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
700	283	0	276	0	279	0	274	0	320	0	320	0	-2 0	0 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
800	285	0	278	0	279	0	274	0	320	0	320	0	-5 0	-4 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	134 0
900	288	0	281	0	279	0	274	0	320	0	320	0	-9 0	-7 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 6
1000	303	0	297	0	294	0	288	0	320	0	320	0	-9 0	-7 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1100	322	0	312	0	314	0	308	0	320	0	320	0	-5 0	-4 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1200	345	0	340	0	331	0	327	0	320	0	320	0	-16 0	-13 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1300	372	0	367	0	365	0	360	0	320	0	320	0	-11 0	-9 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1400	369	0	361	0	342	0	338	0	320	0	320	0	-29 0	-23 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1500	374	0	365	0	349	0	343	0	320	0	320	0	-27 0	-22 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1600	365	0	358	0	342	0	338	0	320	0	320	0	-25 0	-20 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1700	338	0	331	0	333	0	325	0	320	0	320	0	-7 0	-4 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1800	310	0	301	0	324	0	317	0	320	0	320	0	11 0	14 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1900	305	0	297	0	322	0	312	0	320	0	320	0	11 0	16 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
2000	308	0	299	0	324	0	317	0	320	0	320	0	9 0	14 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
2100	301	0	294	0	305	0	297	0	320	0	320	0	0 0	4 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
2200	285	0	278	0	305	0	297	0	320	0	320	0	16 0	18 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
2300	270	0	261	0	299	0	292	0	320	0	320	0	23 0	27 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
2400	265	0	256	0	276	0	269	0	320	0	320	0	7 0	9 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0

STATUS C[illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	62	0	58	0	125	0	113	0	0	0	0	0	164	0	201	120		168	0	230	105		175	0	197	154		251	2	271	232		0	0		0	0		0	0
200	72	0	68	0	144	0	123	0	0	0	0	0	170	0	206	114		173	0	240	104		179	0	200	166		255	2	268	236		0	0		0	0		0	0
300	71	0	64	0	154	0	127	0	0	0	0	0	169	0	218	123		170	0	243	108		182	0	196	160		258	2	271	241		0	0		0	0		0	0
400	85	0	72	0	164	0	136	0	0	0	0	0	173	0	209	93		180	0	240	106		182	0	200	159		259	2	280	245		0	0		0	0		0	0
500	70	0	60	0	141	0	119	0	0	0	0	0	179	0	245	130		183	0	239	124		186	0	205	158		261	2	277	245		0	0		0	0		0	0
600	61	0	47	0	125	0	106	0	0	0	0	0	189	0	234	107		188	0	259	124		194	0	208	171		269	2	287	252		0	0		0	0		0	0
700	73	0	58	0	151	0	127	0	0	0	0	0	189	0	234	147		191	0	241	100		192	0	208	177		267	2	285	244		0	0		0	0		0	0
800	70	0	54	0	131	0	112	0	0	0	0	0	194	0	243	133		195	0	263	103		197	0	215	180		272	2	290	250		0	0		0	0		0	0
900	73	0	57	0	123	0	106	0	0	0	0	0	193	0	253	139		195	0	256	125		197	0	217	168		273	2	293	241		0	0		0	0		0	0
1000	76	0	59	0	115	0	103	0	0	0	0	0	208	0	248	150		210	0	244	146		203	0	232	160		278	2	311	246		0	0		0	0		0	0
1100	72	0	60	0	117	0	101	0	0	0	0	0	199	0	263	99		199	0	259	102		196	0	231	152		271	2	314	234		0	0		0	0		0	0
1200	94	0	77	0	162	0	134	0	0	0	0	0	198	0	254	128		201	0	262	146		196	0	232	165		271	2	308	222		0	0		0	0		0	0
1300	105	0	82	0	165	0	138	0	0	0	0	0	204	0	256	151		207	0	263	102		198	0	219	163		274	2	303	225		0	0		0	0		0	0
1400	107	0	88	0	161	0	137	0	0	0	0	0	209	0	251	132		212	0	262	128		205	0	250	160		279	2	306	238		0	0		0	0		0	0
1500	105	0	85	0	159	0	140	0	0	0	0	0	211	0	249	139		213	0	262	128		202	0	238	169		277	2	307	251		0	0		0	0		0	0
1600	93	0	73	0	148	0	129	0	0	0	0	0	202	0	237	113		209	0	260	128		198	0	222	157		274	2	303	240		0	0		0	0		0	0
1700	79	0	63	0	136	0	114	0	0	0	0	0	205	0	256	147		208	0	263	124		195	0	222	162		270	2	301	233		0	0		0	0		0	0
1800	85	0	69	0	157	0	135	0	0	0	0	0	200	0	248	130		206	0	263	104		199	0	230	153		273	2	296	229		0	0		0	0		0	0
1900	116	0	92	0	167	0	151	0	0	0	0	0	214	0	266	168		219	0	263	170		207	0	229	182		283	2	303	256		0	0		0	0		0	0
2000	116	0	95	0	166	0	154	0	0	0	0	0	217	0	265	127		218	0	262	124		212	0	239	186		286	2	315	264		0	0		0	0		0	0
2100	122	0	107	0	167	0	163	0	0	0	0	0	225	0	277	192		226	0	263	125		221	0	243	190		294	2	313	259		0	0		0	0		0	0
2200	187	0	184	0	230	0	247	0	0	0	0	0	245	0	264	216		246	0	281	214		242	0	255	217		313	2	329	292		0	0		0	0		0	0
2300	212	0	214	0	275	0	290	0	0	0	0	0	248	0	283	230		247	0	272	217		247	0	256	235		317	2	328	298		0	0		0	0		0	0
2400	204	0	200	0	285	0	298	0	0	0	0	0	252	0	280	223		252	0	285	196		250	0	275	238		321	2	340	310		0	0		0	0		0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	258	0	249	0	263	0	256	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
200	249	0	242	0	256	0	249	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
300	242	0	234	0	252	0	247	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
400	242	0	234	0	249	0	242	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
500	236	0	231	0	245	0	240	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
600	231	0	224	0	243	0	238	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
700	229	0	222	0	240	0	233	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
800	231	0	224	0	238	0	231	0	320	0	320	0	2	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
900	256	0	249	0	251	0	245	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
1000	296	0	288	0	290	0	285	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
1100	329	0	322	0	317	0	310	0	320	0	320	0	-18	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
1200	354	0	347	0	336	0	331	0	320	0	320	0	-25	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
1300	369	0	361	0	351	0	343	0	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
1400	379	0	374	0	363	0	360	0	320	0	320	0	-20	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
1500	394	0	387	0	379	0	374	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
1600	385	0	379	0	379	0	372	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
1700	361	0	354	0	361	0	354	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
1800	354	0	347	0	356	0	349	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
1900	358	0	351	0	360	0	352	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
2000	358	0	351	0	358	0	351	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
2100	361	0	354	0	361	0	354	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
2200	372	0	367	0	369	0	363	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
2300	379	0	372	0	374	0	369	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0
2400	379	0	372	0	376	0	370	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	133	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	202	0	203	0	279	0	294	0	0	0	0	0	258	0	275	238	258	0	285	217	259	0	283	243	329	2	348	307	0	0	0	0	0	0
200	191	0	191	0	255	0	271	0	0	0	0	0	263	0	281	235	261	0	291	218	259	0	274	240	331	2	340	307	0	0	0	0	0	0
300	197	0	202	0	245	0	258	0	0	0	0	0	262	0	277	236	260	0	305	213	262	0	272	245	334	2	353	315	0	0	0	0	0	0
400	164	0	167	0	213	0	224	0	0	0	0	0	263	0	281	232	262	0	286	236	261	0	275	229	332	2	341	308	0	0	0	0	0	0
500	157	0	155	0	182	0	191	0	0	0	0	0	265	0	280	239	263	0	285	218	267	0	282	249	338	2	352	318	0	0	0	0	0	0
600	117	0	114	0	132	0	138	0	0	0	0	0	271	0	305	233	269	0	308	240	273	0	307	251	342	2	7	310	0	0	0	0	0	0
700	83	0	82	0	90	0	95	0	0	0	0	0	289	0	320	255	286	0	328	238	284	0	325	233	351	2	23	295	0	0	0	0	0	0
800	53	0	50	0	67	0	72	0	0	0	0	0	287	0	331	227	286	0	334	218	285	0	324	241	354	2	32	308	0	0	0	0	0	0
900	48	0	44	0	66	0	69	0	0	0	0	0	182	0	241	156	185	0	221	145	228	0	247	208	300	2	318	273	0	0	0	0	0	0
1000	30	0	24	0	43	0	39	0	0	0	0	0	191	0	254	92	192	3	262	101	203	0	248	158	277	2	308	229	0	0	0	0	0	0
1100	60	0	58	0	62	0	66	0	0	0	0	0	239	0	289	199	240	0	286	195	232	0	267	191	304	2	335	261	0	0	0	0	0	0
1200	59	0	59	0	58	0	62	0	0	0	0	0	254	0	298	190	256	0	304	216	250	0	288	214	321	2	11	281	0	0	0	0	0	0
1300	49	0	47	0	43	0	48	0	0	0	0	0	271	0	330	244	270	0	330	238	273	0	304	234	341	2	12	301	0	0	0	0	0	0
1400	42	0	40	0	34	0	37	0	0	0	0	0	307	0	342	263	299	0	330	261	304	0	331	277	11	2	47	338	0	0	0	0	0	0
1500	25	0	25	0	26	0	28	0	0	0	0	0	313	0	355	201	308	3	351	238	333	0	10	290	41	2	77	349	0	0	0	0	0	0
1600	19	0	21	0	22	0	23	0	0	0	0	0	337	3	85	273	335	3	62	282	349	3	35	314	37	2	91	17	0	0	0	0	0	0
1700	28	0	28	0	34	0	35	0	0	0	0	0	44	3	65	25	43	3	62	15	34	0	45	23	105	2	118	90	0	0	0	0	0	0
1800	27	0	25	0	34	2	37	2	0	0	0	0	43	3	52	33	42	3	59	35	65	0	73	51	170	2	213	126	0	0	0	0	0	0
1900	23	0	23	0	33	0	27	0	0	0	0	0	127	0	162	118	132	0	151	124	186	0	194	179	260	2	268	254	0	0	0	0	0	0
2000	58	0	49	0	110	0	97	0	0	0	0	0	187	0	214	153	191	0	221	151	201	0	210	189	275	2	288	262	0	0	0	0	0	0
2100	79	0	56	0	126	0	136	0	0	0	0	0	207	0	216	188	209	0	238	172	221	0	231	214	296	2	303	287	0	0	0	0	0	0
2200	70	0	53	0	118	0	116	0	0	0	0	0	210	0	225	194	212	0	238	174	218	0	230	206	293	2	303	278	0	0	0	0	0	0
2300	80	0	66	0	129	0	138	0	0	0	0	0	223	0	246	200	223	0	244	193	225	0	239	206	299	2	319	280	0	0	0	0	0	0
2400	85	0	81	0	127	0	135	0	0	0	0	0	230	0	252	193	233	0	263	192	236	0	249	221	307	2	319	295	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	387	0	379	0	379	0	374	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
200	390	0	383	0	381	0	378	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
300	390	0	383	0	381	0	376	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
400	387	0	381	0	379	0	374	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
500	388	0	383	0	379	0	376	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
600	388	0	383	0	379	0	376	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
700	385	0	379	0	379	0	374	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
800	379	0	376	0	381	0	372	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
900	325	0	317	0	351	0	345	0	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1000	365	0	358	0	352	0	349	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1100	381	0	376	0	381	0	378	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1200	401	0	394	0	399	0	397	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1300	415	0	410	0	406	0	403	0	320	0	320	0	-11	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1400	433	0	426	0	408	0	405	0	320	0	320	0	-25	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1500	433	0	428	0	412	0	408	0	320	0	320	0	-23	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1600	426	0	417	0	414	0	408	0	320	0	320	0	-13	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1700	394	0	385	0	392	0	387	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1800	365	0	360	0	356	0	349	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1900	379	0	372	0	394	0	388	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2000	388	0	381	0	413	0	410	0	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2100	388	0	381	0	426	0	419	0	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2200	390	0	383	0	408	0	403	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2300	396	0	388	0	403	0	396	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2400	396	0	388	0	396	0	390	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0

STATUS [illegible]RS) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL[illegible]

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	68	0	62	0	104	0	111	0	0	0	0	0	229	0	252	208		232	0	259	192		236	0	251	223		307	2	318	292		0	0
200	68	0	53	0	99	0	105	0	0	0	0	0	218	0	227	205		218	0	238	194		232	0	240	218		303	2	313	289		0	0
300	75	0	54	0	107	0	115	0	0	0	0	0	214	0	226	201		215	0	238	194		229	0	238	221		301	2	307	293		0	0
400	74	0	57	0	123	0	132	0	0	0	0	0	204	0	220	179		204	0	237	169		222	0	231	214		297	2	303	287		0	0
500	66	0	50	0	120	0	131	0	0	0	0	0	199	0	220	177		201	0	235	171		226	0	233	216		299	2	304	293		0	0
600	73	0	55	0	126	0	136	0	0	0	0	0	207	0	220	183		209	0	238	172		226	0	232	216		299	2	304	287		0	0
700	67	0	51	0	107	0	114	0	0	0	0	0	210	0	226	189		212	0	239	192		232	0	244	224		304	2	315	295		0	0
800	66	0	53	0	120	0	129	0	0	0	0	0	196	0	224	152		199	0	237	151		226	0	233	220		299	2	304	293		0	0
900	50	0	45	0	96	0	93	0	0	0	0	0	173	0	201	140		176	0	218	126		215	0	229	202		290	2	302	275		0	0
1000	45	0	38	0	82	0	78	0	0	0	0	0	205	0	257	161		207	0	241	147		215	0	232	178		289	2	302	263		0	0
1100	26	0	26	0	37	0	34	0	0	0	0	0	239	0	347	184		244	3	331	186		202	0	268	127		275	2	327	201		0	0
1200	76	0	77	0	94	0	99	0	0	0	0	0	236	0	275	189		238	0	285	195		230	0	259	197		302	2	329	276		0	0
1300	75	0	76	0	95	0	101	0	0	0	0	0	240	0	278	206		244	0	305	215		238	0	265	216		308	2	338	282		0	0
1400	62	0	63	0	91	0	98	0	0	0	0	0	251	0	282	207		252	0	285	214		255	0	278	223		325	2	353	272		0	0
1500	65	0	65	0	90	0	97	0	0	0	0	0	246	0	277	204		249	0	286	216		245	0	287	217		314	2	343	282		0	0
1600	42	0	44	0	63	0	68	0	0	0	0	0	237	0	278	182		237	0	264	171		238	0	272	210		310	2	340	277		0	0
1700	28	0	27	0	67	0	55	0	0	0	0	0	188	0	224	156		191	3	238	151		191	0	202	180		263	2	275	255		0	0
1800	48	0	45	0	115	0	89	0	0	0	0	0	186	0	225	151		188	0	238	127		192	0	199	180		265	2	273	257		0	0
1900	56	0	46	0	147	0	124	0	0	0	0	0	193	0	216	163		197	0	263	148		196	0	206	188		269	2	278	254		0	0
2000	74	0	63	0	163	0	146	0	0	0	0	0	195	0	220	154		198	0	238	147		207	0	216	195		280	2	296	257		0	0
2100	92	0	75	0	165	0	149	0	0	0	0	0	205	0	229	165		205	0	241	151		212	0	228	195		287	2	308	270		0	0
2200	87	0	69	0	194	0	138	0	0	0	0	0	207	0	234	172		210	0	263	170		214	0	233	198		288	2	303	273		0	0
2300	79	0	64	0	154	0	138	0	0	0	0	0	203	0	226	156		206	0	238	170		213	0	227	192		288	2	304	275		0	0
2400	78	0	63	0	151	0	132	0	0	0	0	0	198	0	230	170		202	0	261	150		212	0	225	197		286	2	299	276		0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	394	0	387	0	394	0	388	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
200	379	0	372	0	388	0	381	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
300	367	0	360	0	381	0	378	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
400	343	0	336	0	376	0	369	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
500	331	0	324	0	370	0	365	0	320	0	320	0	38	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
600	333	0	325	0	367	0	360	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
700	336	0	331	0	361	0	356	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
800	320	0	310	0	353	0	358	0	320	0	320	0	45	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
900	333	0	327	0	370	0	365	0	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
1000	376	0	370	0	374	0	369	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
1100	437	0	430	0	428	0	424	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
1200	453	0	444	0	444	0	439	0	320	0	320	0	-7	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
1300	475	0	468	0	460	0	455	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
1400	475	0	469	0	460	0	457	0	320	0	320	0	-14	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
1500	487	0	482	0	477	0	473	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
1600	491	0	484	0	482	0	477	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
1700	482	0	473	0	487	0	482	0	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
1800	469	0	462	0	484	0	478	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
1900	457	0	450	0	482	0	477	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
2000	448	0	441	0	475	0	469	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
2100	442	0	437	0	464	0	459	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
2200	441	0	433	0	460	0	455	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
2300	432	0	426	0	451	0	446	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0
2400	412	0	405	0	442	0	435	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	133	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 50 A S	MIN 50 B S	MAX 50 B S	WIND DIR2	MIN 150A S	MAX 150A S	WIND DIR3	MIN 150B S	MAX 150B S	WIND DIR4	MIN S	MAX S	WIND DIR5	MIN S	MAX S	WIND DIR6
100	89 0	68 0	160 0	161 0	0 0	0 0	208 0	228	185	209 0	241	172	220 0	232	207	294 2	302	286	0 0	0	0	0
200	77 0	61 0	154 0	148 0	0 0	0 0	197 0	215	174	199 0	238	160	218 0	228	205	292 2	303	280	0 0	0	0	0
300	76 0	63 0	154 0	150 0	0 0	0 0	192 0	223	163	195 0	237	150	218 0	226	209	293 2	300	285	0 0	0	0	0
400	70 0	66 0	144 0	126 0	0 0	0 0	180 0	200	150	184 0	218	150	210 0	218	201	283 2	292	276	0 0	0	0	0
500	71 0	65 0	141 0	125 0	0 0	0 0	182 0	212	160	185 0	219	150	209 0	221	200	284 2	297	273	0 0	0	0	0
600	79 0	80 0	150 0	113 0	0 0	0 0	167 0	189	149	169 0	197	141	192 0	202	177	265 2	275	256	0 0	0	0	0
700	75 0	75 0	162 0	131 0	0 0	0 0	159 0	179	128	161 0	194	103	182 0	190	175	256 2	262	248	0 0	0	0	0
800	77 0	74 0	159 0	128 0	0 0	0 0	162 0	187	130	164 0	234	124	181 0	189	166	256 2	263	241	0 0	0	0	0
900	69 0	66 0	147 0	122 0	0 0	0 0	161 0	193	100	165 0	218	126	183 0	203	159	256 2	271	241	0 0	0	0	0
1000	75 0	74 0	134 0	120 0	0 0	0 0	153 0	193	112	161 0	217	104	173 0	222	147	249 2	298	217	0 0	0	0	0
1100	55 0	52 0	88 0	79 0	0 0	0 0	161 0	256	101	166 0	239	103	175 0	227	128	250 2	299	208	0 0	0	0	0
1200	51 0	50 0	83 0	83 0	0 0	0 0	155 0	243	92	159 0	260	102	164 0	230	113	239 2	279	201	0 0	0	0	0
1300	44 0	41 0	83 0	77 0	0 0	0 0	172 0	265	99	172 0	262	102	178 0	260	141	252 2	295	210	0 0	0	0	0
1400	85 0	82 0	129 0	131 0	0 0	0 0	150 0	185	107	154 0	240	104	158 0	182	134	235 2	262	209	0 0	0	0	0
1500	81 0	79 0	132 0	129 0	0 0	0 0	157 0	207	116	162 0	217	102	164 0	197	133	240 2	265	213	0 0	0	0	0
1600	72 0	72 0	125 0	128 0	0 0	0 0	135 0	160	110	139 0	171	81	147 0	177	125	224 2	248	207	0 0	0	0	0
1700	67 0	57 0	112 0	102 0	0 0	0 0	175 0	219	118	177 0	219	101	177 0	211	149	252 2	271	219	0 0	0	0	0
1800	62 0	56 0	109 0	107 0	0 0	0 0	152 0	189	114	153 0	195	101	162 0	199	131	239 2	265	212	0 0	0	0	0
1900	89 0	86 0	153 0	158 0	0 0	0 0	138 0	162	115	141 0	170	105	151 0	161	135	228 2	239	215	0 0	0	0	0
2000	119 0	120 0	201 0	203 0	0 0	0 0	134 0	146	119	143 0	168	124	141 0	148	133	219 2	229	207	0 0	0	0	0
2100	111 0	113 0	201 0	210 0	0 0	0 0	139 0	158	121	143 0	171	116	150 0	164	134	228 2	241	216	0 0	0	0	0
2200	128 0	129 0	218 0	225 0	0 0	0 0	132 0	146	121	141 0	159	123	142 0	154	135	220 2	227	213	0 0	0	0	0
2300	107 0	107 0	193 0	202 0	0 0	0 0	148 0	179	120	154 0	191	103	157 0	181	133	235 2	251	213	0 0	0	0	0
2400	135 0	132 0	233 0	232 0	0 0	0 0	151 0	175	125	155 0	191	124	161 0	179	146	238 2	258	208	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	414 0	406 0	444 0	439 0	320 0	320 0	32 0	34 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
200	412 0	403 0	444 0	437 0	320 0	320 0	34 0	36 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
300	387 0	379 0	441 0	435 0	320 0	320 0	56 0	58 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
400	378 0	370 0	428 0	423 0	320 0	320 0	50 0	52 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
500	376 0	369 0	430 0	424 0	320 0	320 0	56 0	58 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
600	367 0	360 0	419 0	414 0	320 0	320 0	54 0	56 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
700	360 0	352 0	399 0	394 0	320 0	320 0	41 0	43 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
800	361 0	354 0	390 0	385 0	320 0	320 0	31 0	32 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
900	390 0	383 0	405 0	399 0	320 0	320 0	16 0	18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1000	433 0	428 0	419 0	414 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1100	480 0	475 0	466 0	460 0	320 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1200	511 0	505 0	491 0	486 0	320 0	320 0	-20 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1300	529 0	523 0	511 0	505 0	320 0	320 0	-18 0	-16 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1400	534 0	529 0	520 0	514 0	320 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1500	532 0	527 0	522 0	516 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1600	525 0	520 0	520 0	513 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1700	513 0	505 0	509 0	504 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1800	487 0	482 0	489 0	484 0	320 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
1900	469 0	462 0	477 0	469 0	320 0	320 0	4 0	5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
2000	459 0	451 0	466 0	460 0	320 0	320 0	7 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
2100	450 0	442 0	455 0	448 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
2200	433 0	426 0	444 0	437 0	320 0	320 0	7 0	9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
2300	430 0	424 0	441 0	433 0	320 0	320 0	5 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0
2400	441 0	435 0	444 0	439 0	320 0	320 0	0 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	133 0

STATUS [illegible](S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALI[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	117	0	110	0	212	0	198	0	0	0	0	0	156	0	181	119	0	156	0	192	101	167	0	189	148	244	2	267	223	0	0	0	0	0	0
200	112	0	108	0	203	0	193	0	0	0	0	0	153	0	181	132	0	161	0	196	124	165	0	182	141	243	2	258	224	0	0	0	0	0	0
300	116	0	110	0	206	0	194	0	0	0	0	0	155	0	202	113	0	161	0	199	124	171	0	204	148	248	2	281	228	0	0	0	0	0	0
400	105	0	99	0	197	0	175	0	0	0	0	0	159	0	222	123	0	161	0	237	104	172	0	193	151	248	2	273	229	0	0	0	0	0	0
500	113	0	107	0	215	0	196	0	0	0	0	0	155	0	179	124	0	159	0	198	100	169	0	183	150	247	2	267	231	0	0	0	0	0	0
600	117	0	118	0	206	0	191	0	0	0	0	0	159	0	193	129	0	163	0	216	123	168	0	187	152	246	2	267	227	0	0	0	0	0	0
700	125	0	118	0	228	0	200	0	0	0	0	0	160	0	198	126	0	164	0	236	126	169	0	197	154	247	2	270	230	0	0	0	0	0	0
800	114	0	111	0	213	0	185	0	0	0	0	0	166	0	205	109	0	172	0	235	103	175	0	201	147	252	2	275	227	0	0	0	0	0	0
900	120	0	106	0	213	0	189	0	0	0	0	0	163	0	210	114	0	169	0	231	105	176	0	210	131	253	2	280	227	0	0	0	0	0	0
1000	102	0	84	0	175	0	149	0	0	0	0	0	197	0	259	113	0	203	0	262	127	190	0	235	137	267	2	307	219	0	0	0	0	0	0
1100	116	0	90	0	183	0	157	0	0	0	0	0	199	0	253	131	0	201	0	261	121	195	0	217	145	271	2	296	229	0	0	0	0	0	0
1200	129	0	103	0	211	0	182	0	0	0	0	0	207	0	263	106	0	209	0	262	147	198	0	224	176	273	2	298	237	0	0	0	0	0	0
1300	105	0	85	0	155	0	133	0	0	0	0	0	196	0	266	113	0	194	0	259	101	187	0	241	136	263	2	299	231	0	0	0	0	0	0
1400	91	0	70	0	153	0	132	0	0	0	0	0	198	0	257	111	0	201	0	260	101	191	0	228	143	265	2	316	183	0	0	0	0	0	0
1500	85	0	69	0	148	0	130	0	0	0	0	0	181	0	250	99	0	185	0	260	93	187	0	216	138	264	2	302	218	0	0	0	0	0	0
1600	110	0	103	0	175	0	155	0	0	0	0	0	168	0	252	107	0	169	0	237	101	172	0	207	101	250	2	279	226	0	0	0	0	0	0
1700	93	0	87	0	180	0	157	0	0	0	0	0	174	0	261	116	0	174	0	237	118	178	0	203	148	254	2	282	226	0	0	0	0	0	0
1800	75	0	73	0	135	0	125	0	0	0	0	0	167	0	241	122	0	167	0	237	91	172	0	202	145	250	2	273	218	0	0	0	0	0	0
1900	83	0	79	0	147	0	149	0	0	0	0	0	151	0	182	120	0	155	0	217	101	161	0	183	141	240	2	262	220	0	0	0	0	0	0
2000	79	0	78	0	135	0	137	0	0	0	0	0	145	0	171	120	0	147	0	172	103	155	0	176	129	233	2	252	208	0	0	0	0	0	0
2100	92	0	91	0	164	0	159	0	0	0	0	0	154	0	189	120	0	158	0	217	103	164	0	202	125	242	2	269	212	0	0	0	0	0	0
2200	92	0	89	0	166	0	163	0	0	0	0	0	151	0	177	103	0	154	0	197	102	162	0	181	142	240	2	262	218	0	0	0	0	0	0
2300	102	0	103	0	169	0	174	0	0	0	0	0	151	0	187	122	0	153	0	192	101	158	0	180	135	237	2	253	214	0	0	0	0	0	0
2400	103	0	105	0	190	0	195	0	0	0	0	0	143	0	173	118	0	149	0	191	123	152	0	176	135	231	2	251	214	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	448	0	441	0	448	0	441	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
200	442	0	435	0	442	0	437	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
300	455	0	448	0	462	0	457	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
400	460	0	453	0	468	0	462	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
500	460	0	455	0	466	0	460	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
600	473	0	466	0	475	0	469	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
700	475	0	468	0	477	0	471	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
800	478	0	473	0	482	0	477	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
900	509	0	504	0	502	0	496	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1000	549	0	543	0	536	0	532	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1100	576	0	568	0	563	0	558	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1200	604	0	599	0	588	0	581	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1300	617	0	610	0	597	0	590	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1400	624	0	617	0	599	0	590	0	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1500	610	0	603	0	590	0	583	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1600	567	0	561	0	554	0	547	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1700	556	0	549	0	547	0	540	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1800	559	0	554	0	556	0	550	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
1900	568	0	563	0	565	0	558	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2000	572	0	567	0	568	0	563	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2100	588	0	581	0	581	0	576	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2200	590	0	585	0	583	0	576	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2300	586	0	579	0	577	0	570	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
2400	574	0	568	0	568	0	563	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 50	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	112	0	110	0	180	0	181	0	0	0	0	0	150	0	174	119	133	0	237	112	157	0	178	132	234	2	252	211	0	0	0	0	0	0
200	109	0	105	0	190	0	192	0	0	0	0	0	143	0	167	113	148	0	192	104	151	0	170	134	230	2	253	209	0	0	0	0	0	0
300	109	0	108	0	179	0	181	0	0	0	0	0	147	0	182	124	149	0	192	123	156	0	178	137	233	2	256	217	0	0	0	0	0	0
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
800	144	0	145	0	251	0	235	0	0	0	0	0	161	0	204	125	163	0	214	105	167	0	187	141	245	2	265	221	0	0	0	0	0	0
900	116	0	107	0	201	0	178	0	0	0	0	0	170	0	236	121	172	0	239	104	176	0	208	136	253	2	284	207	0	0	0	0	0	0
1000	139	0	127	0	245	0	213	0	0	0	0	0	172	0	249	108	176	0	249	118	180	0	216	157	258	2	287	230	0	0	0	0	0	0
1100	164	0	158	0	268	0	247	0	0	0	0	0	160	0	187	123	161	0	195	101	166	0	202	128	244	2	275	213	0	0	0	0	0	0
1200	124	0	111	0	216	0	189	0	0	0	0	0	168	0	230	90	177	0	252	101	176	0	200	135	254	2	284	226	0	0	0	0	0	0
1300	141	0	134	0	242	0	220	0	0	0	0	0	163	0	211	116	166	0	218	102	170	0	196	141	248	2	271	221	0	0	0	0	0	0
1400	118	0	114	0	200	0	191	0	0	0	0	0	158	0	191	108	161	0	236	102	167	0	205	143	245	2	271	227	0	0	0	0	0	0
1500	93	0	82	0	162	0	135	0	0	0	0	0	180	0	246	113	183	0	259	98	182	0	213	137	260	2	293	225	0	0	0	0	0	0
1600	79	0	79	0	141	0	129	0	0	0	0	0	158	0	205	118	163	0	236	105	169	0	191	147	247	2	273	225	0	0	0	0	0	0
1700	78	0	62	0	115	0	102	0	0	0	0	0	215	0	267	160	216	0	269	168	207	0	235	170	283	2	315	244	0	0	0	0	0	0
1800	144	0	137	0	234	0	245	0	0	0	0	0	252	0	277	235	252	0	305	215	253	0	260	242	325	2	333	304	0	0	0	0	0	0
1900	90	0	85	0	131	0	139	0	0	0	0	0	235	0	276	204	237	0	284	194	236	0	257	212	310	2	329	288	0	0	0	0	0	0
2000	125	0	108	0	173	0	169	0	0	0	0	0	222	0	263	199	223	0	263	123	218	0	243	186	294	2	318	276	0	0	0	0	0	0
2100	86	0	77	0	127	0	131	0	0	0	0	0	231	0	275	181	231	0	263	191	229	0	261	198	302	2	326	271	0	0	0	0	0	0
2200	115	0	112	0	167	0	178	0	0	0	0	0	244	0	269	227	242	0	277	195	245	0	261	236	317	2	330	299	0	0	0	0	0	0
2300	250	0	253	0	260	0	275	0	0	0	0	0	265	0	281	248	263	0	283	238	267	0	276	258	339	2	347	329	0	0	0	0	0	0
2400	219	0	218	0	240	0	249	0	0	0	0	0	266	0	298	248	284	0	305	239	269	0	300	252	341	2	4	328	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	568	0	563	0	563	0	558	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
200	561	0	554	0	556	0	550	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
300	559	0	554	0	552	0	547	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	531	0	525	0	523	0	518	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	151	0
900	529	0	523	0	523	0	518	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	154	0
1000	543	0	536	0	538	0	531	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	154	0
1100	550	0	543	0	545	0	538	0	320	0	320	0	-4	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	167	0
1200	570	0	565	0	559	0	554	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	155	6
1300	574	0	568	0	563	0	556	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	155	0
1400	579	0	574	0	563	0	558	0	320	0	320	0	-11	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	155	0
1500	565	0	559	0	552	0	545	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	155	0
1600	538	0	531	0	527	0	520	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	157	0
1700	531	0	525	0	523	0	516	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	164	0
1800	482	0	475	0	477	0	471	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	173	0
1900	468	0	462	0	462	0	457	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	179	0
2000	471	0	466	0	464	0	457	0	320	0	320	0	-4	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2100	462	0	455	0	453	0	446	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	197	0
2200	444	0	437	0	437	0	426	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	198	0
2300	410	0	405	0	403	0	396	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	201	0
2400	383	0	378	0	378	0	370	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	203	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	191	0	190	0	203	0	212	0	0	0	0	0	265	0	285	248	261	0	283	237	286	0	281	254	338	2	352	308	0	0	0	0	0	0
200	193	0	194	0	220	0	230	0	0	0	0	0	263	0	285	235	260	0	312	216	262	0	283	233	334	2	1	314	0	0	0	0	0	0
300	204	0	203	0	265	0	281	0	0	0	0	0	262	0	282	242	262	0	285	230	260	0	272	243	331	2	340	307	0	0	0	0	0	0
400	213	0	216	0	247	0	259	0	0	0	0	0	264	0	299	241	264	0	303	236	264	0	277	256	335	2	342	317	0	0	0	0	0	0
500	212	0	210	0	241	0	252	0	0	0	0	0	265	0	287	240	264	0	292	236	261	0	280	238	333	2	351	313	0	0	0	0	0	0
600	166	0	163	0	228	0	240	0	0	0	0	0	254	0	290	203	255	0	309	228	252	0	269	221	323	2	340	304	0	0	0	0	0	0
700	213	0	209	0	267	0	280	0	0	0	0	0	262	0	276	239	262	0	285	235	259	0	270	231	331	2	340	286	0	0	0	0	0	0
800	243	0	240	0	286	0	297	0	0	0	0	0	263	0	276	241	262	0	284	235	263	0	281	246	334	2	346	309	0	0	0	0	0	0
900	215	0	203	0	247	0	262	0	0	0	0	0	263	0	280	231	263	0	304	216	261	0	279	222	333	2	356	294	0	0	0	0	0	0
1000	192	0	186	0	249	0	263	0	0	0	0	0	258	0	280	220	258	0	285	218	257	0	271	231	329	2	343	311	0	0	0	0	0	0
1100	216	0	214	0	265	0	280	0	0	0	0	0	263	0	293	237	262	0	303	217	262	0	276	239	333	2	349	311	0	0	0	0	0	0
1200	213	0	209	0	257	0	270	0	0	0	0	0	264	0	290	241	263	0	285	236	263	0	279	247	335	2	357	316	0	0	0	0	0	0
1300	183	0	176	0	238	0	251	0	0	0	0	0	248	0	278	228	248	0	301	211	247	0	266	232	318	2	351	299	0	0	0	0	0	0
1400	186	0	182	0	251	0	265	0	0	0	0	0	249	0	284	220	250	0	285	211	251	0	292	235	322	2	347	300	0	0	0	0	0	0
1500	199	0	192	0	261	0	277	0	0	0	0	0	248	0	271	194	249	0	281	214	247	0	283	216	318	2	357	292	0	0	0	0	0	0
1600	223	0	217	0	296	0	311	0	0	0	0	0	247	0	270	219	246	0	280	197	247	0	260	229	318	2	337	297	0	0	0	0	0	0
1700	201	0	196	0	256	0	271	0	0	0	0	0	248	0	285	230	247	0	285	214	246	0	262	228	316	2	331	301	0	0	0	0	0	0
1800	183	0	183	0	245	0	254	0	0	0	0	0	251	0	285	231	251	0	284	215	252	0	277	227	323	2	352	297	0	0	0	0	0	0
1900	265	0	268	0	288	0	297	0	0	0	0	0	266	0	291	229	265	0	307	237	271	0	295	260	340	2	4	326	0	0	0	0	0	0
2000	283	0	288	0	296	0	311	0	0	0	0	0	266	0	283	246	263	0	285	216	269	0	290	258	339	2	355	324	0	0	0	0	0	0
2100	176	0	180	0	229	0	239	0	0	0	0	0	259	0	279	228	257	0	285	199	259	0	276	231	330	2	353	283	0	0	0	0	0	0
2200	151	0	155	0	189	0	198	0	0	0	0	0	258	0	278	237	258	0	308	237	259	0	277	244	330	2	347	306	0	0	0	0	0	0
2300	107	0	112	0	148	0	157	0	0	0	0	0	252	0	295	221	253	0	286	193	253	0	291	216	323	2	345	286	0	0	0	0	0	0
2400	73	0	57	0	111	0	115	0	0	0	0	0	205	0	224	182	207	0	235	173	221	0	235	200	295	2	307	279	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	376	0	369	0	367	0	360	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
200	369	0	363	0	360	0	354	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
300	370	0	363	0	358	0	352	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
400	365	0	360	0	354	0	349	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
500	360	0	352	0	349	0	343	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
600	352	0	345	0	343	0	338	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
700	343	0	336	0	331	0	325	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
800	324	0	322	0	312	0	303	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
900	322	0	322	0	310	0	303	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1000	324	0	317	0	312	0	305	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1100	324	0	320	0	312	0	305	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1200	320	0	314	0	306	0	299	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1300	317	0	310	0	305	0	299	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1400	320	0	312	0	306	0	301	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1500	329	0	322	0	317	0	310	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1600	338	0	331	0	327	0	322	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1700	338	0	331	0	329	0	324	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1800	338	0	333	0	329	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1900	343	0	338	0	333	0	327	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
2000	351	0	343	0	340	0	334	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
2100	351	0	343	0	340	0	334	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
2200	349	0	343	0	340	0	334	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
2300	347	0	342	0	338	0	333	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
2400	308	0	301	0	322	0	312	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESULUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	55	0	48	0	100	0	86	0	0	0	0	0	177	0	210	140		178	0	217	129	201	0	216	182	275	2	275	258	0	0	0	0	0	0
200	54	0	53	0	97	0	80	0	0	0	0	0	154	0	179	130		157	0	195	128	185	0	213	163	259	2	287	241	0	0	0	0	0	0
300	42	0	40	0	78	0	63	0	0	0	0	0	144	0	164	123		148	0	175	126	180	0	202	166	254	2	272	239	0	0	0	0	0	0
400	55	0	55	0	117	0	94	0	0	0	0	0	165	0	196	138		163	0	194	128	183	0	193	175	256	2	268	250	0	0	0	0	0	0
500	63	0	62	0	117	0	109	0	0	0	0	0	152	0	181	129		155	0	188	126	168	0	177	154	242	2	252	230	0	0	0	0	0	0
600	73	0	74	0	142	0	127	0	0	0	0	0	156	0	178	127		161	0	198	123	171	0	186	155	245	2	255	228	0	0	0	0	0	0
700	77	0	78	0	134	0	138	0	0	0	0	0	147	0	176	125		148	0	175	103	160	0	173	144	236	2	254	220	0	0	0	0	0	0
800	86	0	89	0	139	0	126	0	0	0	0	0	160	0	184	125		165	0	193	124	169	0	186	150	245	2	259	227	0	0	0	0	0	0
900	95	0	94	0	161	0	146	0	0	0	0	0	156	0	187	122		159	0	198	105	168	0	199	138	245	2	264	218	0	0	0	0	0	0
1000	74	0	80	0	132	0	124	0	0	0	0	0	153	0	198	112		160	0	211	106	168	0	194	141	244	2	275	214	0	0	0	0	0	0
1100	77	0	81	0	131	0	124	0	0	0	0	0	156	0	206	100		161	0	219	102	171	0	194	143	247	2	281	208	0	0	0	0	0	0
1200	101	0	104	0	170	0	167	0	0	0	0	0	154	0	190	113		158	0	214	124	166	0	194	147	241	2	273	200	0	0	0	0	0	0
1300	61	0	57	0	106	0	94	0	0	0	0	0	180	0	269	102		184	0	263	102	186	0	242	116	258	2	312	187	0	0	0	0	0	0
1400	104	0	85	0	182	0	150	0	0	0	0	0	194	0	233	141		197	0	242	147	193	0	228	166	267	2	291	223	0	0	0	0	0	0
1500	97	0	91	0	154	0	137	0	0	0	0	0	176	0	229	118		183	0	260	124	182	0	223	135	257	2	300	220	0	0	0	0	0	0
1600	73	0	71	0	120	0	108	0	0	0	0	0	163	0	230	112		166	0	237	125	173	0	202	118	250	2	289	208	0	0	0	0	0	0
1700	85	0	88	0	145	0	138	0	0	0	0	0	157	0	195	111		161	0	196	105	166	0	191	143	242	2	263	216	0	0	0	0	0	0
1800	82	0	82	0	140	0	138	0	0	0	0	0	155	0	197	117		161	0	218	106	166	0	183	151	243	2	263	229	0	0	0	0	0	0
1900	90	0	87	0	170	0	166	0	0	0	0	0	154	0	184	127		159	0	196	103	166	0	181	148	242	2	254	218	0	0	0	0	0	0
2000	90	0	93	0	165	0	161	0	0	0	0	0	154	0	180	128		159	0	199	106	164	0	189	142	242	2	262	226	0	0	0	0	0	0
2100	97	0	96	0	170	0	153	0	0	0	0	0	162	0	190	133		164	0	219	119	174	0	202	142	250	2	268	221	0	0	0	0	0	0
2200	91	0	88	0	183	0	162	0	0	0	0	0	164	0	200	120		166	0	240	102	175	0	208	135	251	2	272	214	0	0	0	0	0	0
2300	84	0	80	0	168	0	149	0	0	0	0	0	164	0	224	103		171	0	237	125	177	0	200	160	253	2	281	225	0	0	0	0	0	0
2400	93	0	90	0	176	0	149	0	0	0	0	0	186	0	258	141		186	0	240	102	189	0	226	180	264	2	307	235	0	0	0	0	0	0

	AMB. TEM1 -30 A	S	AMB. TEM2 -30 B	S	AMB. TEM3 -180A	S	AMB. TEM4 -180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 -180A	S	D.T. 2 -180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	294	0	287	0	317	0	310	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
200	287	0	279	0	299	0	294	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
300	287	0	281	0	301	0	296	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
400	288	0	281	0	303	0	297	0	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
500	294	0	287	0	297	0	292	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
600	297	0	290	0	301	0	296	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
700	306	0	301	0	303	0	297	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
800	317	0	310	0	312	0	305	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
900	338	0	331	0	329	0	324	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1000	363	0	356	0	349	0	343	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1100	405	0	399	0	388	0	383	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1200	435	0	430	0	419	0	412	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1300	478	0	475	0	453	0	448	0	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1400	482	0	477	0	459	0	453	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1500	480	0	475	0	464	0	459	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1600	460	0	453	0	450	0	442	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1700	448	0	442	0	442	0	435	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1800	428	0	423	0	426	0	421	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1900	419	0	412	0	421	0	414	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
2000	412	0	405	0	410	0	403	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
2100	406	0	399	0	401	0	396	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
2200	408	0	403	0	406	0	401	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
2300	417	0	410	0	414	0	408	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
2400	428	0	423	0	423	0	417	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 50 A S	MIN	MAX	WIND DIR2 50 B S	MIN	MAX	WIND DIR3 150A S	MIN	MAX	WIND DIR4 150B S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	72 0	68 0	148 0	124 0	0 0	0 0	180 0	237	109	184 0	259	105	186 0	217	153	262 2	291	235	0 0	0	0	0 0
200	94 0	80 0	134 0	119 0	0 0	0 0	214 0	254	169	213 0	262	143	209 0	238	176	285 2	315	253	0 0	0	0	0 0
300	70 0	58 0	109 0	95 0	0 0	0 0	209 0	261	153	211 0	259	147	206 0	238	174	281 2	308	251	0 0	0	0	0 0
400	57 0	49 0	91 0	85 0	0 0	0 0	212 0	263	162	217 0	259	172	215 0	240	190	288 2	317	257	0 0	0	0	0 0
500	64 0	56 0	91 0	93 0	0 0	0 0	226 0	253	183	227 0	260	147	223 0	247	192	298 2	318	267	0 0	0	0	0 0
600	68 0	64 0	93 0	95 0	0 0	0 0	226 0	249	197	228 0	259	192	224 0	244	199	298 2	312	281	0 0	0	0	0 0
700	59 0	56 0	83 0	89 0	0 0	0 0	234 0	274	206	237 0	282	194	230 0	254	204	303 2	331	283	0 0	0	0	0 0
800	57 0	53 0	82 0	87 0	0 0	0 0	233 0	266	199	233 0	261	194	233 0	252	211	306 2	327	280	0 0	0	0	0 0
900	43 0	34 0	64 0	63 0	0 0	0 0	207 0	248	153	209 0	240	149	212 0	234	178	287 2	306	255	0 0	0	0	0 0
1000	52 0	44 0	74 0	75 0	0 0	0 0	228 0	266	189	230 0	263	191	224 0	259	188	300 2	338	262	0 0	0	0	0 0
1100	69 0	67 0	77 0	81 0	0 0	0 0	247 0	270	222	246 0	264	217	249 0	260	238	321 2	331	310	0 0	0	0	0 0
1200	87 0	82 0	93 0	95 0	0 0	0 0	307 0	328	285	304 0	332	276	313 0	325	298	21 2	31	5	0 0	0	0	0 0
1300	106 0	101 0	117 0	121 0	0 0	0 0	300 0	314	284	300 0	328	271	307 0	316	293	16 2	180	0	0 0	0	0	0 0
1400	83 0	82 0	111 0	112 0	0 0	0 0	334 0	34	295	331 0	16	284	333 0	344	284	328 0	339	286	0 0	0	0	0 0
1500	113 0	111 0	154 0	154 0	0 0	0 0	330 0	352	307	329 0	34	304	333 0	359	292	328 0	340	285	0 0	0	0	0 0
1600	139 0	143 0	179 0	178 0	0 0	0 0	315 0	332	285	312 0	351	282	322 0	332	301	317 0	348	309	0 0	0	0	0 0
1700	154 0	155 0	190 0	187 0	0 0	0 0	313 0	329	296	311 0	350	284	320 0	332	288	315 0	329	290	0 0	0	0	0 0
1800	185 0	176 0	229 0	234 0	0 0	0 0	301 0	321	279	297 0	328	262	307 0	320	299	301 0	313	294	0 0	0	0	0 0
1900	204 0	189 0	246 0	255 0	0 0	0 0	295 0	323	272	292 0	327	262	298 0	316	277	292 0	321	263	0 0	0	0	0 0
2000	175 0	172 0	207 0	212 0	0 0	0 0	301 0	318	286	301 0	328	260	308 0	317	295	302 0	313	291	0 0	0	0	0 0
2100	173 0	168 0	206 0	214 0	0 0	0 0	292 0	310	256	289 0	317	241	297 0	316	252	291 0	309	252	0 0	0	0	0 0
2200	165 0	162 0	190 0	195 0	0 0	0 0	268 0	309	238	270 0	308	237	280 0	334	237	277 0	314	241	0 0	0	0	0 0
2300	141 0	138 0	156 0	169 0	0 0	0 0	275 0	311	246	276 0	329	240	281 0	318	237	276 0	307	241	0 0	0	0	0 0
2400	152 0	150 0	180 0	187 0	0 0	0 0	290 0	321	235	287 0	338	236	294 0	310	286	288 0	305	259	0 0	0	0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	421 0	415 0	415 0	412 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
200	428 0	421 0	421 0	414 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
300	419 0	414 0	414 0	408 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
400	414 0	406 0	408 0	403 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
500	414 0	406 0	405 0	399 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
600	405 0	397 0	397 0	392 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
700	405 0	397 0	397 0	392 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
800	406 0	401 0	399 0	394 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
900	401 0	396 0	396 0	388 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
1000	406 0	399 0	396 0	390 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
1100	414 0	408 0	405 0	399 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
1200	412 0	406 0	397 0	388 0	320 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
1300	415 0	410 0	399 0	394 0	320 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
1400	410 0	403 0	397 0	390 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
1500	397 0	390 0	387 0	381 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	204 0
1600	388 0	381 0	381 0	374 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	205 0
1700	377 0	372 0	369 0	363 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	211 0
1800	381 0	376 0	372 0	367 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	206 6
1900	378 0	370 0	367 0	361 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	206 0
2000	370 0	363 0	360 0	352 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	206 0
2100	378 0	372 0	367 0	361 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	206 0
2200	372 0	367 0	361 0	356 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	206 0
2300	358 0	351 0	349 0	342 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	206 0
2400	342 0	334 0	331 0	325 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	206 0

2-185

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1	WIND MIN	WIND MAX	WIND DIR2	WIND MIN	WIND MAX	WIND DIR3	WIND MIN	WIND MAX	WIND DIR4	WIND MIN	WIND MAX	WIND DIR5 S	WIND MIN	WIND MAX	WIND DIR6
100	122	0	117	0	142	0	150	0	0	0	0	0	279	0	323	246	277	0	349	237	284	0	313	238	280	0	320	234	0	0	0	0	0	0
200	138	0	136	0	154	0	163	0	0	0	0	0	278	0	316	248	275	0	328	237	281	0	310	247	278	0	310	241	0	0	0	0	0	0
300	175	0	177	0	186	0	198	0	0	0	0	0	274	0	305	246	271	0	308	235	278	0	322	245	276	0	318	246	0	0	0	0	0	0
400	148	0	145	0	179	0	185	0	0	0	0	0	276	0	318	241	272	0	327	219	284	0	326	236	279	0	321	233	0	0	0	0	0	0
500	170	0	170	0	186	0	194	0	0	0	0	0	270	0	305	235	266	0	304	219	275	0	310	243	271	0	301	241	0	0	0	0	0	0
600	163	0	162	0	178	0	184	0	0	0	0	0	275	0	310	242	273	0	331	213	282	0	313	248	277	0	308	222	0	0	0	0	0	0
700	158	0	151	0	185	0	196	0	0	0	0	0	278	0	318	248	275	0	308	239	284	0	321	251	281	0	313	237	0	0	0	0	0	0
800	132	0	128	0	157	0	167	0	0	0	0	0	285	0	312	255	282	0	316	216	288	0	321	244	285	0	320	237	0	0	0	0	0	0
900	172	0	170	0	198	0	205	0	0	0	0	0	273	0	313	245	272	0	308	218	280	0	332	239	274	0	306	233	0	0	0	0	0	0
1000	152	0	151	0	158	0	166	0	0	0	0	0	272	0	307	245	268	0	305	234	278	0	312	249	271	0	321	201	0	0	0	0	0	0
1100	135	0	125	0	151	0	157	0	0	0	0	0	270	0	344	241	268	0	352	234	283	0	321	234	280	0	328	241	0	0	0	0	0	0
1200	131	0	124	0	160	0	167	0	0	0	0	0	269	0	307	230	267	0	307	217	278	0	320	244	275	0	311	241	0	0	0	0	0	0
1300	116	0	113	0	126	0	135	0	0	0	0	0	275	0	329	234	274	0	328	237	283	0	325	235	279	0	312	240	0	0	0	0	0	0
1400	106	0	104	0	117	0	122	0	0	0	0	0	273	0	320	239	272	0	353	234	279	0	316	246	275	0	321	226	0	0	0	0	0	0
1500	124	0	121	0	133	0	140	0	0	0	0	0	266	0	310	231	264	0	309	237	275	0	304	225	271	0	301	234	0	0	0	0	0	0
1600	114	0	111	0	126	0	134	0	0	0	0	0	294	0	322	261	291	0	327	243	293	0	311	251	289	0	312	244	0	0	0	0	0	0
1700	72	0	69	0	78	0	83	0	0	0	0	0	299	0	324	270	299	0	351	263	296	0	335	257	291	0	325	251	0	0	0	0	0	0
1800	32	0	29	0	48	0	51	0	0	0	0	0	278	0	342	203	278	3	347	214	291	0	344	233	288	0	343	231	0	0	0	0	0	0
1900	28	0	27	0	52	0	56	0	0	0	0	0	303	3	352	211	295	3	352	193	305	0	334	277	300	0	329	275	0	0	0	0	0	0
2000	31	0	30	0	22	0	24	0	0	0	0	0	176	0	247	146	178	0	238	148	237	0	260	207	236	0	259	194	0	0	0	0	0	0
2100	55	0	55	0	71	0	74	0	0	0	0	0	145	0	158	136	149	0	170	127	149	0	153	145	153	0	157	149	0	0	0	0	0	0
2200	58	0	58	0	65	0	68	0	0	0	0	0	148	0	161	129	152	0	171	128	148	0	156	145	152	0	160	149	0	0	0	0	0	0
2300	62	0	61	0	116	0	119	0	0	0	0	0	142	0	160	125	146	0	173	125	144	0	149	136	147	0	154	140	0	0	0	0	0	0
2400	73	0	74	0	145	0	148	0	0	0	0	0	129	0	142	122	135	0	154	124	137	0	143	133	139	0	146	136	0	0	0	0	0	0

	AMB. TEM1 30-A-S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S	RAIN S
100	342	0	334	0	331	0	325	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
200	349	0	342	0	338	0	333	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
300	345	0	338	0	333	0	327	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
400	331	0	325	0	320	0	315	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
500	333	0	327	0	324	0	322	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
600	334	0	329	0	325	0	320	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
700	336	0	329	0	327	0	320	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
800	340	0	333	0	331	0	325	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
900	329	0	322	0	317	0	310	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1000	322	0	314	0	308	0	303	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1100	327	0	320	0	320	0	308	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1200	329	0	322	0	315	0	308	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1300	329	0	324	0	315	0	310	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1400	333	0	325	0	315	0	310	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1500	331	0	324	0	317	0	312	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1600	336	0	329	0	320	0	315	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1700	325	0	317	0	320	0	314	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1800	314	0	305	0	320	0	312	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1900	310	0	301	0	322	0	315	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
2000	305	0	297	0	301	0	296	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
2100	283	0	274	0	303	0	296	0	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
2200	285	0	278	0	306	0	301	0	320	0	320	0	23	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
2300	276	0	269	0	306	0	301	0	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
2400	278	0	272	0	306	0	301	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	MIN	MAX	WIND DIR3 150A	S	WIND DIR4 150B	S	WIND DIR5	S	MIN	MAX	WIND DIR6	
100	75	0	72	0	116	0	119	0	0	0	0	0	102	0	121	84	104	0	128	77	114	0	124	107	117	0	127	109	0	0	0	0	0	0
200	92	0	92	0	128	0	136	0	0	0	0	0	121	0	134	112	127	0	147	106	125	0	135	117	129	0	142	119	0	0	0	0	0	0
300	103	0	105	0	144	0	147	0	0	0	0	0	126	0	138	113	131	0	153	108	134	0	151	119	137	0	151	123	0	0	0	0	0	0
400	116	0	117	0	170	0	172	0	0	0	0	0	124	0	138	114	131	0	150	104	133	0	145	119	136	0	145	121	0	0	0	0	0	0
500	125	0	127	0	174	0	179	0	0	0	0	0	123	0	133	115	129	0	147	105	132	0	144	119	134	0	147	121	0	0	0	0	0	0
600	122	0	123	0	162	0	169	0	0	0	0	0	126	0	147	117	133	0	150	121	133	0	145	119	136	0	146	117	0	0	0	0	0	0
700	114	0	116	0	175	0	178	0	0	0	0	0	125	0	144	111	132	0	153	101	134	0	149	117	138	0	154	122	0	0	0	0	0	0
800	130	0	135	0	180	0	185	0	0	0	0	0	125	0	143	110	132	0	166	104	135	0	155	120	138	0	160	121	0	0	0	0	0	0
900	141	0	148	0	224	0	227	0	0	0	0	0	133	0	157	114	139	0	170	105	142	0	156	129	146	0	160	129	0	0	0	0	0	0
1000	117	0	123	0	207	0	212	0	0	0	0	0	138	0	159	118	144	0	175	122	148	0	165	130	152	0	167	134	0	0	0	0	0	0
1100	125	0	127	0	201	0	207	0	0	0	0	0	138	0	159	108	145	0	173	102	150	0	172	128	153	0	180	132	0	0	0	0	0	0
1200	100	0	103	0	176	0	181	0	0	0	0	0	146	0	180	103	150	0	196	104	155	0	186	125	157	0	186	134	0	0	0	0	0	0
1300	124	0	121	0	212	0	213	0	0	0	0	0	148	0	182	122	154	0	220	124	154	0	173	137	158	0	178	140	0	0	0	0	0	0
1400	122	0	120	0	189	0	191	0	0	0	0	0	153	0	200	124	155	0	236	105	159	0	163	136	163	0	190	132	0	0	0	0	0	0
1500	87	0	80	0	156	0	137	0	0	0	0	0	166	0	209	115	170	0	235	104	173	0	205	149	176	0	208	156	0	0	0	0	0	0
1600	83	0	81	0	140	0	134	0	0	0	0	0	155	0	184	127	161	0	217	102	165	0	185	148	167	0	185	148	0	0	0	0	0	0
1700	90	0	86	0	143	0	134	0	0	0	0	0	157	0	190	114	162	0	198	105	167	0	189	142	170	0	193	142	0	0	0	0	0	0
1800	100	0	88	0	185	0	163	0	0	0	0	0	164	0	212	103	165	0	262	102	174	0	206	136	175	0	195	145	0	0	0	0	0	0
1900	80	0	66	0	136	0	116	0	0	0	0	0	187	0	237	137	189	0	263	101	188	0	232	154	187	0	221	151	0	0	0	0	0	0
2000	60	0	55	0	106	0	93	0	0	0	0	0	169	0	255	102	173	0	240	104	176	0	211	147	179	0	212	142	0	0	0	0	0	0
2100	69	0	55	0	128	0	107	0	0	0	0	0	184	0	222	115	185	0	240	104	189	0	208	147	191	0	212	166	0	0	0	0	0	0
2200	194	0	195	0	228	0	240	0	0	0	0	0	288	0	318	255	286	0	327	238	289	0	326	244	283	0	318	227	0	0	0	0	0	0
2300	173	0	169	0	200	0	213	0	0	0	0	0	279	0	315	241	278	0	327	217	285	0	327	249	260	0	317	234	0	0	0	0	0	0
2400	219	0	212	0	246	0	254	0	0	0	0	0	272	0	304	239	271	0	325	236	280	0	318	253	275	0	310	239	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 160B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	279	0	272	0	288	0	283	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
200	288	0	283	0	288	0	281	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
300	294	0	287	0	288	0	283	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
400	297	0	290	0	294	0	288	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
500	299	0	292	0	297	0	292	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	205	0
600	312	0	305	0	305	0	299	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
700	320	0	312	0	312	0	306	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
800	331	0	324	0	324	0	317	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
900	343	0	336	0	336	0	331	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1000	370	0	363	0	361	0	356	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1100	394	0	387	0	385	0	379	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1200	419	0	412	0	417	0	410	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1300	435	0	428	0	432	0	426	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1400	459	0	453	0	453	0	448	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	206	0
1500	435	0	430	0	435	0	428	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	207	0
1600	424	0	419	0	426	0	419	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	209	0
1700	435	0	428	0	433	0	428	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	209	0
1800	446	0	439	0	444	0	437	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	209	0
1900	430	0	423	0	426	0	419	0	320	0	320	0	-5	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	209	0
2000	415	0	408	0	412	0	406	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
2100	410	0	403	0	406	0	399	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	220	0
2200	385	0	378	0	379	0	374	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2300	372	0	365	0	372	0	365	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2400	358	0	351	0	351	0	345	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE. RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6	S
100	227	0	223	0	247	0	256	0	0	0	0	0	268	0	301	247		265	0	303	237		274	0	303	248		270	0	316	245		0	0
200	218	0	213	0	246	0	267	0	0	0	0	0	277	0	311	249		274	0	325	234		282	0	320	248		277	0	312	244		0	0
300	223	0	219	0	254	0	265	0	0	0	0	0	280	0	310	244		275	0	324	236		283	0	314	240		279	0	311	245		0	0
400	224	0	211	0	248	0	260	0	0	0	0	0	271	0	306	246		267	0	309	228		280	0	328	229		273	0	312	223		0	0
500	213	0	207	0	246	0	261	0	0	0	0	0	277	0	322	238		274	0	326	213		283	0	324	245		278	0	312	240		0	0
600	232	0	223	0	253	0	261	0	0	0	0	0	273	0	310	247		270	0	306	235		275	0	308	238		272	0	312	231		0	0
700	261	0	259	0	287	0	296	0	0	0	0	0	268	0	304	252		266	0	309	235		272	0	307	242		268	0	306	231		0	0
800	284	0	284	0	303	0	322	0	0	0	0	0	265	0	280	252		262	0	304	235		268	0	318	254		265	0	319	243		0	0
900	283	0	277	0	302	0	319	0	0	0	0	0	266	0	284	245		265	0	307	238		267	0	292	247		264	0	299	233		0	0
1000	300	0	304	0	323	0	339	0	0	0	0	0	266	0	281	253		262	0	303	236		265	0	287	250		262	0	284	244		0	0
1100	265	0	273	0	312	0	326	0	0	0	0	0	263	0	284	245		262	0	284	235		262	0	277	240		259	0	273	241		0	0
1200	272	0	274	0	304	0	316	0	0	0	0	0	264	0	278	236		263	0	299	221		266	0	292	247		263	0	300	234		0	0
1300	275	0	272	0	290	0	308	0	0	0	0	0	265	0	280	232		265	0	308	238		269	0	303	252		267	0	310	247		0	0
1400	280	0	277	0	299	0	313	0	0	0	0	0	266	0	281	247		264	0	290	236		268	0	296	259		265	0	307	254		0	0
1500	255	0	255	0	268	0	282	0	0	0	0	0	266	0	292	250		264	0	310	235		271	0	311	252		267	0	308	247		0	0
1600	219	0	215	0	241	0	242	0	0	0	0	0	268	0	303	245		267	0	306	237		273	0	302	227		272	0	302	232		0	0
1700	227	0	220	0	251	0	261	0	0	0	0	0	268	0	301	235		267	0	305	230		273	0	308	247		271	0	309	241		0	0
1800	251	0	250	0	276	0	290	0	0	0	0	0	267	0	298	249		264	0	294	239		270	0	302	240		267	0	298	238		0	0
1900	214	0	213	0	246	0	261	0	0	0	0	0	267	0	290	239		266	0	327	236		275	0	307	248		269	0	305	232		0	0
2000	221	0	216	0	253	0	261	0	0	0	0	0	271	0	300	240		268	0	308	237		278	0	308	230		274	0	309	236		0	0
2100	218	0	218	0	256	0	268	0	0	0	0	0	278	0	313	243		276	0	327	237		282	0	312	250		277	0	309	219		0	0
2200	238	0	232	0	253	0	266	0	0	0	0	0	273	0	308	243		270	0	332	225		277	0	313	218		274	0	311	220		0	0
2300	232	0	224	0	263	0	279	0	0	0	0	0	274	0	313	248		274	0	327	221		283	0	338	256		279	0	343	244		0	0
2400	220	0	209	0	254	0	265	0	0	0	0	0	283	0	304	238		281	0	329	235		286	0	319	239		282	0	315	235		0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	334	0	327	0	324	0	317	0	320	0	320	0	-9	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
200	314	0	306	0	303	0	297	0	320	0	320	0	-9	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
300	294	0	287	0	281	0	276	0	320	0	320	0	-9	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
400	276	0	269	0	263	0	258	0	320	0	320	0	-11	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
500	274	0	267	0	261	0	256	0	320	0	320	0	-9	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
600	276	0	270	0	265	0	260	0	320	0	320	0	-9	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
700	269	0	261	0	254	0	249	0	320	0	320	0	-11	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
800	267	0	260	0	256	0	245	0	320	0	320	0	-11	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
900	260	0	252	0	249	0	240	0	320	0	320	0	-11	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
1000	252	0	245	0	242	0	234	0	320	0	320	0	-11	0	-11	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
1100	247	0	240	0	234	0	229	0	320	0	320	0	-13	0	-11	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
1200	251	0	243	0	236	0	231	0	320	0	320	0	-13	0	-13	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
1300	252	0	247	0	247	0	234	0	320	0	320	0	-11	0	-11	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
1400	263	0	256	0	251	0	243	0	320	0	320	0	-14	0	-13	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
1500	276	0	269	0	265	0	258	0	320	0	320	0	-13	0	-11	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
1600	279	0	272	0	274	0	267	0	320	0	320	0	-11	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
1700	272	0	267	0	272	0	265	0	320	0	320	0	-9	0	-7	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
1800	272	0	265	0	265	0	258	0	320	0	320	0	-11	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
1900	270	0	263	0	267	0	260	0	320	0	320	0	-9	0	-7	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
2000	261	0	254	0	265	0	258	0	320	0	320	0	-9	0	-7	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
2100	254	0	247	0	258	0	251	0	320	0	320	0	-9	0	-7	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
2200	249	0	242	0	251	0	243	0	320	0	320	0	-9	0	-7	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
2300	243	0	238	0	249	0	236	0	320	0	320	0	-9	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0
2400	238	0	231	0	231	0	225	0	320	0	320	0	-9	0	-9	0		0	0	0	0		320	2	0	0		0	0	0	0		0	0		0	0	222	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	MIN MAX 30 B S	WIND DIR2	MIN MAX 150A S	WIND DIR3	MIN MAX 150B S	WIND DIR4	MIN MAX S	WIND DIR5	MIN MAX S	WIND DIR6
100	209 0	203 0	260 0	270 0	0 0	0 0	295 0	312 262	291 0	326 239	300 0	313 276	294 0	308 278	0 0	0 0	0 0
200	210 0	198 0	240 0	254 0	0 0	0 0	292 0	315 250	289 0	326 239	291 0	314 227	286 0	316 249	0 0	0 0	0 0
300	197 0	188 0	229 0	236 0	0 0	0 0	298 0	318 273	293 0	326 259	301 0	316 269	294 0	310 266	0 0	0 0	0 0
400	172 0	160 0	203 0	208 0	0 0	0 0	298 0	319 271	295 0	325 257	301 0	319 269	294 0	311 274	0 0	0 0	0 0
500	148 0	138 0	175 0	184 0	0 0	0 0	287 0	317 242	283 0	330 236	289 0	312 256	283 0	306 245	0 0	0 0	0 0
600	162 0	156 0	191 0	197 0	0 0	0 0	281 0	319 245	276 0	346 216	285 0	329 256	280 0	323 242	0 0	0 0	0 0
700	171 0	163 0	187 0	198 0	0 0	0 0	275 0	323 237	270 0	328 232	277 0	320 226	272 0	329 234	0 0	0 0	0 0
800	180 0	177 0	201 0	210 0	0 0	0 0	274 0	311 246	271 0	325 236	279 0	321 239	274 0	317 227	0 0	0 0	0 0
900	147 0	143 0	166 0	174 0	0 0	0 0	282 0	321 239	280 0	329 238	283 0	311 242	278 0	306 248	0 0	0 0	0 0
1000	166 0	157 0	189 0	207 0	0 0	0 0	296 0	318 265	294 0	331 258	301 0	335 281	294 0	320 262	0 0	0 0	0 0
1100	160 0	153 0	189 0	194 0	0 0	0 0	297 0	322 258	292 0	329 262	301 0	337 264	295 0	324 261	0 0	0 0	0 0
1200	148 0	138 0	161 0	169 0	0 0	0 0	278 0	309 222	276 0	328 210	284 0	320 243	280 0	308 234	0 0	0 0	0 0
1300	151 0	144 0	173 0	179 0	0 0	0 0	278 0	317 245	275 0	348 236	283 0	322 249	279 0	326 232	0 0	0 0	0 0
1400	158 0	154 0	171 0	182 0	0 0	0 0	284 0	312 238	279 0	307 219	289 0	310 255	283 0	321 228	0 0	0 0	0 0
1500	132 0	122 0	142 0	149 0	0 0	0 0	285 0	327 245	281 0	350 238	288 0	317 255	282 0	327 229	0 0	0 0	0 0
1600	103 0	98 0	118 0	126 0	0 0	0 0	284 0	317 242	279 0	310 233	288 0	321 252	282 0	312 237	0 0	0 0	0 0
1700	121 0	114 0	126 0	142 0	0 0	0 0	261 0	307 234	260 0	306 219	262 0	285 233	258 0	281 223	0 0	0 0	0 0
1800	112 0	109 0	122 0	133 0	0 0	0 0	266 0	308 228	265 0	327 219	264 0	314 199	261 0	307 206	0 0	0 0	0 0
1900	117 0	115 0	128 0	139 0	0 0	0 0	272 0	309 209	271 0	326 236	274 0	316 234	270 0	300 237	0 0	0 0	0 0
2000	131 0	124 0	138 0	145 0	0 0	0 0	265 0	301 235	265 0	304 224	271 0	299 251	266 0	289 239	0 0	0 0	0 0
2100	139 0	132 0	156 0	161 0	0 0	0 0	279 0	311 237	277 0	309 233	286 0	307 244	281 0	309 230	0 0	0 0	0 0
2200	121 0	115 0	143 0	153 0	0 0	0 0	288 0	324 228	285 0	332 225	292 0	323 251	287 0	307 240	0 0	0 0	0 0
2300	79 0	74 0	92 0	96 0	0 0	0 0	275 0	323 229	274 0	330 217	277 0	317 230	274 0	305 222	0 0	0 0	0 0
2400	79 0	73 0	87 0	91 0	0 0	0 0	287 0	328 205	285 0	332 193	295 0	329 245	290 0	344 232	0 0	0 0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	236 0	229 0	229 0	224 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
200	236 0	229 0	224 0	218 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
300	229 0	222 0	216 0	209 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
400	224 0	216 0	211 0	206 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
500	225 0	218 0	215 0	207 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
600	224 0	216 0	211 0	206 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
700	220 0	213 0	209 0	204 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
800	220 0	211 0	207 0	202 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
900	211 0	204 0	204 0	195 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
1000	204 0	197 0	195 0	189 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
1100	209 0	202 0	197 0	189 0	320 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
1200	209 0	200 0	202 0	195 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
1300	211 0	204 0	204 0	197 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
1400	206 0	198 0	198 0	191 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
1500	213 0	206 0	209 0	202 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
1600	222 0	215 0	218 0	211 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
1700	224 0	218 0	224 0	211 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
1800	233 0	225 0	229 0	216 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
1900	242 0	236 0	238 0	229 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
2000	249 0	242 0	247 0	240 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
2100	252 0	245 0	252 0	243 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
2200	249 0	242 0	247 0	240 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
2300	247 0	240 0	245 0	240 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0
2400	245 0	238 0	236 0	231 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	222 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	62	0	56	0	69	0	74	0	0	0	0	0	247	0	282	195		248	0	281	190		248	0	286	207		216	0	277	205		0	0		0	0		0	0
200	39	0	32	0	68	0	55	0	0	0	0	0	184	0	238	135		183	0	242	105		186	0	208	156		187	0	209	168		0	0		0	0		0	0
300	45	0	32	0	77	0	66	0	0	0	0	0	193	0	235	129		191	0	257	106		199	0	217	179		200	0	217	180		0	0		0	0		0	0
400	54	0	40	0	97	0	80	0	0	0	0	0	193	0	259	106		190	0	236	106		192	0	214	169		192	0	207	172		0	0		0	0		0	0
500	47	0	39	0	87	0	72	0	0	0	0	0	173	0	214	105		175	0	235	122		182	0	225	155		182	0	226	159		0	0		0	0		0	0
600	56	0	48	0	102	0	90	0	0	0	0	0	158	0	191	123		159	0	235	121		171	0	184	152		172	0	183	143		0	0		0	0		0	0
700	50	0	45	0	87	0	81	0	0	0	0	0	151	0	192	124		152	0	216	106		166	0	188	141		168	0	194	146		0	0		0	0		0	0
800	28	0	23	0	50	0	44	0	0	0	0	0	167	0	227	94		171	3	238	100		178	0	225	150		178	0	207	147		0	0		0	0		0	0
900	52	0	44	0	92	0	81	0	0	0	0	0	162	0	215	96		167	0	255	104		176	0	199	146		178	0	203	150		0	0		0	0		0	0
1000	60	0	54	0	109	0	94	0	0	0	0	0	181	0	260	98		181	0	240	106		183	0	207	151		184	0	210	155		0	0		0	0		0	0
1100	28	0	25	0	45	0	42	0	0	0	0	0	173	3	256	99		172	3	261	100		171	0	222	130		174	0	244	105		0	0		0	0		0	0
1200	42	0	33	0	67	0	60	0	0	0	0	0	178	0	263	92		183	0	265	118		181	0	240	136		182	0	210	136		0	0		0	0		0	0
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0		0	2	0	0		0	2	0	0		0	2	0	0		0	2		0	0		0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0		0	2	0	0		0	2	0	0		0	2	0	0		0	2		0	0		0	2
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0		0	2	0	0		0	2	0	0		0	2	0	0		0	2		0	0		0	2
1600	40	0	34	0	68	0	59	0	0	0	0	0	174	0	251	107		179	0	259	103		178	0	222	137		180	0	213	150		0	0		0	0		0	0
1700	43	0	38	0	57	0	55	0	0	0	0	0	156	0	210	104		159	0	217	120		169	0	205	132		169	0	205	137		0	0		0	0		0	0
1800	51	0	44	0	82	0	80	0	0	0	0	0	154	0	199	111		159	0	220	103		164	0	181	142		165	0	194	141		0	0		0	0		0	0
1900	72	0	66	0	115	0	100	0	0	0	0	0	170	0	210	128		173	0	217	104		175	0	193	148		174	0	193	130		0	0		0	0		0	0
2000	59	0	49	0	112	0	96	0	0	0	0	0	186	0	236	108		183	0	260	102		189	0	226	154		190	0	212	164		0	0		0	0		0	0
2100	49	0	39	0	90	0	74	0	0	0	0	0	183	0	236	123		182	0	262	117		187	0	222	148		188	0	218	154		0	0		0	0		0	0
2200	62	0	47	0	98	0	86	0	0	0	0	0	204	0	258	118		205	0	261	124		203	0	226	176		203	0	227	181		0	0		0	0		0	0
2300	103	0	82	0	142	0	129	0	0	0	0	0	217	0	261	178		220	0	265	172		212	0	243	189		211	0	232	185		0	0		0	0		0	0
2400	94	0	75	0	125	0	112	0	0	0	0	0	214	0	253	173		215	0	259	149		208	0	230	176		208	0	235	175		0	0		0	0		0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	243	0	236	0	234	0	227	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
200	225	0	218	0	215	0	209	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
300	211	0	204	0	204	0	198	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
400	207	0	200	0	202	0	197	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
500	195	0	188	0	189	0	184	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
600	182	0	175	0	179	0	173	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
700	182	0	175	0	175	0	170	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
800	269	0	261	0	251	0	245	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
900	175	0	170	0	166	0	161	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
1000	211	0	204	0	197	0	189	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
1100	233	0	225	0	213	0	207	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
1200	261	0	252	0	242	0	236	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	224	0
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	263	0	256	0	251	0	243	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	222	6
1700	256	0	249	0	249	0	243	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
1800	252	0	245	0	251	0	243	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
1900	254	0	247	0	260	0	251	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
2000	254	0	247	0	258	0	251	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
2100	249	0	242	0	254	0	245	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
2200	249	0	242	0	258	0	251	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
2300	245	0	238	0	258	0	251	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0
2400	247	0	238	0	254	0	247	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	222	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

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	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1 50 B S			WIND DIR2 150A S			WIND DIR3 150B S			WIND DIR4 S			WIND DIR5 S			WIND DIR6 S		
													MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX	
100	97	0	76	0	144	0	129	0	0	0	0	0	215	253	142	218	264	123	209	230	173	208	230	173	0	0	0	0	0	0
200	106	0	84	0	144	0	134	0	0	0	0	0	216	256	182	220	264	170	214	239	197	215	236	176	0	0	0	0	0	0
300	243	0	224	0	272	0	281	0	0	0	0	0	294	306	273	290	327	261	295	306	267	289	300	257	0	0	0	0	0	0
400	253	0	255	0	300	0	305	0	0	0	0	0	306	321	292	302	326	283	310	320	298	303	313	292	0	0	0	0	0	0
500	245	0	233	0	294	0	310	0	0	0	0	0	300	320	285	297	327	261	305	332	290	298	332	285	0	0	0	0	0	0
600	262	0	250	0	332	0	339	0	0	0	0	0	301	315	285	298	326	261	307	317	292	300	310	288	0	0	0	0	0	0
700	246	0	240	0	306	0	310	0	0	0	0	0	305	325	286	300	326	258	309	328	273	302	319	270	0	0	0	0	0	0
800	266	0	257	0	338	0	344	0	0	0	0	0	301	316	286	296	329	280	307	319	291	300	310	282	0	0	0	0	0	0
900	309	0	303	0	428	0	421	0	0	0	0	0	325	347	287	322	14	281	329	0	310	323	345	282	0	0	0	0	0	0
1000	311	0	309	0	429	0	423	0	0	0	0	0	325	8	301	321	353	256	330	353	309	325	350	310	0	0	0	0	0	0
1100	320	0	312	0	450	0	441	0	0	0	0	0	325	347	290	324	11	284	330	342	307	325	342	313	0	0	0	0	0	0
1200	299	0	281	0	401	0	396	0	0	0	0	0	326	355	296	322	351	260	331	344	311	326	352	308	0	0	0	0	0	0
1300	252	0	238	0	364	0	355	0	0	0	0	0	326	8	279	319	352	258	331	357	300	325	350	303	0	0	0	0	0	0
1400	269	0	247	0	382	0	349	0	0	0	0	0	319	347	295	315	348	281	327	357	309	321	350	302	0	0	0	0	0	0
1500	229	0	226	0	319	0	309	0	0	0	0	0	322	350	296	320	13	281	328	1	303	322	348	292	0	0	0	0	0	0
1600	226	0	226	0	316	0	315	0	0	0	0	0	323	348	291	319	351	281	329	1	311	323	350	302	0	0	0	0	0	0
1700	271	0	266	0	335	0	339	0	0	0	0	0	305	321	285	302	329	261	313	333	297	306	327	285	0	0	0	0	0	0
1800	183	0	181	0	247	0	248	0	0	0	0	0	315	350	287	311	12	281	321	340	285	315	333	282	0	0	0	0	0	0
1900	197	0	189	0	237	0	241	0	0	0	0	0	301	328	283	297	327	261	308	325	289	301	314	285	0	0	0	0	0	0
2000	158	0	153	0	192	0	198	0	0	0	0	0	305	332	276	300	329	258	311	341	293	305	323	288	0	0	0	0	0	0
2100	169	0	160	0	197	0	204	0	0	0	0	0	296	318	257	294	328	239	299	321	269	294	312	260	0	0	0	0	0	0
2200	150	0	137	0	171	0	179	0	0	0	0	0	298	318	263	293	326	241	299	317	271	293	312	282	0	0	0	0	0	0
2300	149	0	140	0	159	0	169	0	0	0	0	0	285	318	249	281	326	232	283	307	237	279	312	240	0	0	0	0	0	0
2400	154	0	153	0	174	0	185	0	0	0	0	0	268	306	242	264	300	232	266	309	226	263	303	239	0	0	0	0	0	0

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	249	0	242	0	252	0	245	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
200	254	0	247	0	258	0	251	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
300	274	0	267	0	274	0	265	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
400	247	0	240	0	251	0	243	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
500	238	0	233	0	242	0	233	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
600	227	0	220	0	225	0	216	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
700	220	0	213	0	216	0	209	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
800	220	0	213	0	216	0	209	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
900	229	0	222	0	238	0	229	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	223	0
1000	225	0	218	0	231	0	224	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	6
1100	216	0	209	0	218	0	211	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
1200	211	0	202	0	216	0	207	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
1300	209	0	202	0	209	0	200	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
1400	197	0	197	0	198	0	189	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
1500	191	0	186	0	191	0	184	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
1600	185	0	179	0	188	0	179	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
1700	180	0	173	0	182	0	175	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
1800	175	0	168	0	177	0	168	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
1900	175	0	168	0	173	0	166	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
2000	173	0	166	0	170	0	162	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
2100	173	0	166	0	166	0	159	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
2200	175	0	168	0	170	0	162	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
2300	177	0	170	0	171	0	164	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0
2400	179	0	171	0	168	0	162	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	222	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5 S	MIN	MAX	S	WIND DIR6	
100	160	0	157	0	184	0	192	0	0	0	0	0	263	0	292	227	260	0	303	212	260	0	280	233	258	0	273	239	0	0	0	0	0	0
200	92	0	82	0	123	0	122	0	0	0	0	0	231	0	290	181	233	0	307	185	228	0	277	187	227	0	267	172	0	0	0	0	0	0
300	113	0	100	0	141	0	142	0	0	0	0	0	229	0	271	195	230	0	274	202	230	0	279	201	230	0	274	198	0	0	0	0	0	0
400	156	0	147	0	192	0	199	0	0	0	0	0	237	0	272	204	237	0	279	193	236	0	259	198	236	0	271	201	0	0	0	0	0	0
500	75	0	58	0	133	0	115	0	0	0	0	0	200	0	247	151	202	0	259	126	199	0	212	171	199	0	227	174	0	0	0	0	0	0
600	64	0	50	0	124	0	107	0	0	0	0	0	199	0	255	130	196	0	262	122	202	0	237	182	201	0	225	181	0	0	0	0	0	0
700	99	0	76	0	158	0	135	0	0	0	0	0	204	0	240	170	204	0	257	145	197	0	221	181	198	0	212	177	0	0	0	0	0	0
800	86	0	67	0	143	0	126	0	0	0	0	0	204	0	235	142	207	0	241	143	204	0	233	175	205	0	229	164	0	0	0	0	0	0
900	98	0	81	0	149	0	139	0	0	0	0	0	217	0	254	149	222	0	265	167	213	0	233	189	214	0	234	179	0	0	0	0	0	0
1000	96	0	77	0	137	0	119	0	0	0	0	0	209	0	261	158	209	0	264	130	207	0	243	166	207	0	235	161	0	0	0	0	0	0
1100	113	0	94	0	144	0	136	0	0	0	0	0	224	0	265	181	228	0	288	191	215	0	249	183	216	0	240	178	0	0	0	0	0	0
1200	114	0	101	0	148	0	139	0	0	0	0	0	216	0	253	131	222	0	267	127	213	0	261	177	212	0	263	177	0	0	0	0	0	0
1300	97	0	83	0	141	0	125	0	0	0	0	0	214	0	256	153	222	0	285	189	204	0	234	161	204	0	236	181	0	0	0	0	0	0
1400	128	0	112	0	160	0	154	0	0	0	0	0	221	0	254	160	228	0	300	192	214	0	253	185	215	0	246	182	0	0	0	0	0	0
1500	119	0	103	0	153	0	148	0	0	0	0	0	222	0	270	185	225	0	269	172	214	0	248	181	214	0	245	184	0	0	0	0	0	0
1600	117	0	101	0	166	0	154	0	0	0	0	0	217	0	264	144	222	0	266	131	211	0	249	178	211	0	234	181	0	0	0	0	0	0
1700	99	0	85	0	131	0	128	0	0	0	0	0	219	0	278	186	221	0	263	173	214	0	238	189	213	0	241	185	0	0	0	0	0	0
1800	91	0	77	0	152	0	132	0	0	0	0	0	210	0	259	153	212	0	256	151	204	0	233	180	204	0	225	169	0	0	0	0	0	0
1900	137	0	122	0	195	0	176	0	0	0	0	0	221	0	263	179	224	0	266	169	213	0	246	177	212	0	251	179	0	0	0	0	0	0
2000	146	0	131	0	209	0	209	0	0	0	0	0	221	0	252	122	224	0	266	125	219	0	244	189	220	0	247	187	0	0	0	0	0	0
2100	141	0	125	0	198	0	202	0	0	0	0	0	226	0	252	181	226	0	274	189	224	0	251	200	224	0	255	195	0	0	0	0	0	0
2200	120	0	112	0	162	0	167	0	0	0	0	0	229	0	261	191	230	0	263	192	227	0	247	191	225	0	250	194	0	0	0	0	0	0
2300	133	0	121	0	174	0	181	0	0	0	0	0	230	0	277	204	230	0	287	191	227	0	252	201	226	0	255	201	0	0	0	0	0	0
2400	152	0	146	0	212	0	224	0	0	0	0	0	236	0	262	205	237	0	292	195	232	0	255	207	229	0	251	204	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	180	0	173	0	170	0	164	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
200	179	0	170	0	164	0	159	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
300	153	0	144	0	148	0	143	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
400	180	0	173	0	170	0	164	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
500	108	0	101	0	107	0	99	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
600	94	0	87	0	92	0	87	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
700	105	0	96	0	103	0	98	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
800	114	0	107	0	112	0	107	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
900	132	0	125	0	139	0	132	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1000	150	0	141	0	137	0	132	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1100	188	0	180	0	173	0	170	0	320	0	320	0	13	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1200	209	0	206	0	193	0	186	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1300	224	0	216	0	204	0	198	0	320	0	320	0	-18	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1400	236	0	231	0	224	0	218	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1500	252	0	245	0	240	0	233	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1600	247	0	240	0	238	0	231	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1700	254	0	249	0	249	0	240	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1800	251	0	243	0	245	0	240	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1900	258	0	251	0	251	0	245	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2000	267	0	258	0	258	0	252	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2100	270	0	263	0	263	0	258	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2200	272	0	265	0	267	0	260	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2300	274	0	267	0	267	0	263	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2400	290	0	285	0	287	0	279	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, S =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	178	0	178	0	237	0	252	0	0	0	0	0	241	0	265	189	243	0	265	172	237	0	262	210	235	0	252	203	0	0	0	0	0	0	0	0
200	204	0	205	0	263	0	278	0	0	0	0	0	245	0	272	228	245	0	281	216	242	0	254	225	240	0	261	227	0	0	0	0	0	0	0	0
300	176	0	172	0	226	0	242	0	0	0	0	0	242	0	260	221	243	0	281	213	240	0	251	224	238	0	251	217	0	0	0	0	0	0	0	0
400	141	0	135	0	188	0	200	0	0	0	0	0	242	0	263	221	244	0	281	195	243	0	257	231	240	0	254	227	0	0	0	0	0	0	0	0
500	149	0	146	0	202	0	211	0	0	0	0	0	250	0	278	230	250	0	279	216	251	0	266	243	249	0	265	239	0	0	0	0	0	0	0	0
600	120	0	119	0	161	0	168	0	0	0	0	0	247	0	267	200	246	0	281	175	248	0	259	229	245	0	261	222	0	0	0	0	0	0	0	0
700	75	0	58	0	121	0	127	0	0	0	0	0	214	0	236	191	215	0	237	172	227	0	244	213	226	0	241	211	0	0	0	0	0	0	0	0
800	99	0	93	0	144	0	153	0	0	0	0	0	234	0	253	214	234	0	280	195	237	0	260	216	235	0	254	208	0	0	0	0	0	0	0	0
900	102	0	97	0	135	0	144	0	0	0	0	0	233	0	254	209	235	0	260	198	231	0	259	211	231	0	247	212	0	0	0	0	0	0	0	0
1000	88	0	83	0	112	0	119	0	0	0	0	0	233	0	267	200	233	0	263	196	230	0	255	197	228	0	257	191	0	0	0	0	0	0	0	0
1100	97	0	94	0	117	0	124	0	0	0	0	0	243	0	265	223	245	0	283	216	238	0	257	220	236	0	253	213	0	0	0	0	0	0	0	0
1200	97	0	95	0	96	0	103	0	0	0	0	0	245	0	271	217	246	0	286	215	240	0	255	218	238	0	253	213	0	0	0	0	0	0	0	0
1300	88	0	83	0	85	0	90	0	0	0	0	0	245	0	296	207	246	0	304	214	226	0	252	185	225	0	250	174	0	0	0	0	0	0	0	0
1400	70	0	67	0	65	0	73	0	0	0	0	0	253	0	284	230	256	0	283	236	245	0	256	227	244	0	258	222	0	0	0	0	0	0	0	0
1500	46	0	43	0	39	0	44	0	0	0	0	0	239	0	287	226	260	0	305	217	263	0	295	235	262	0	320	236	0	0	0	0	0	0	0	0
1600	34	0	30	0	31	0	34	0	0	0	0	0	247	0	289	214	248	3	284	194	260	0	291	227	256	0	291	217	0	0	0	0	0	0	0	0
1700	25	0	20	0	40	0	33	0	0	0	0	0	187	0	216	139	189	0	239	126	175	0	186	137	177	0	187	139	0	0	0	0	0	0	0	0
1800	54	0	47	0	92	0	84	0	0	0	0	0	156	0	181	128	158	0	193	127	170	0	176	165	172	0	177	166	0	0	0	0	0	0	0	0
1900	58	0	53	0	110	0	83	0	0	0	0	0	166	0	195	139	171	0	218	127	188	0	210	182	187	0	207	182	0	0	0	0	0	0	0	0
2000	64	0	50	0	129	0	116	0	0	0	0	0	192	0	217	164	193	0	239	150	206	0	221	194	207	0	222	196	0	0	0	0	0	0	0	0
2100	70	0	68	0	113	0	97	0	0	0	0	0	170	0	190	139	172	0	197	146	208	0	219	199	209	0	222	199	0	0	0	0	0	0	0	0
2200	69	0	67	0	160	0	117	0	0	0	0	0	172	0	196	145	175	0	213	127	191	0	196	184	190	0	197	184	0	0	0	0	0	0	0	0
2300	79	0	61	0	132	0	131	0	0	0	0	0	201	0	234	176	203	0	242	172	218	0	227	206	219	0	227	210	0	0	0	0	0	0	0	0
2400	73	0	71	0	140	0	111	0	0	0	0	0	166	0	184	143	170	0	214	128	195	0	208	185	194	0	208	183	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	308	0	301	0	301	0	296	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
200	327	0	322	0	320	0	314	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
300	329	0	322	0	320	0	314	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
400	333	0	325	0	327	0	320	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
500	347	0	340	0	342	0	336	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
600	345	0	338	0	340	0	333	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
700	260	0	251	0	292	0	287	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
800	292	0	285	0	299	0	294	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
900	290	0	283	0	296	0	290	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
1000	310	0	303	0	317	0	310	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
1100	327	0	320	0	333	0	327	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
1200	342	0	334	0	352	0	347	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
1300	338	0	351	0	363	0	358	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
1400	370	0	365	0	376	0	370	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
1500	385	0	379	0	388	0	383	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
1600	388	0	383	0	388	0	383	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
1700	372	0	365	0	381	0	374	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
1800	354	0	345	0	376	0	369	0	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
1900	345	0	338	0	387	0	379	0	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
2000	345	0	338	0	396	0	388	0	320	0	320	0	45	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
2100	336	0	331	0	396	0	388	0	320	0	320	0	59	0	61	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
2200	329	0	322	0	376	0	370	0	320	0	320	0	49	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
2300	331	0	324	0	378	0	374	0	320	0	320	0	49	0	50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0
2400	317	0	308	0	363	0	358	0	320	0	320	0	49	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	222	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	B	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	DIR2	MIN	MAX	DIR3	MIN	MAX	DIR4	MIN	MAX	DIR5	MIN	MAX	DIR6
														50 B	S		150A	S		150B	S			S			S	
100	79	0	77	0	164	0	126	0	0	0	0	0	171	0	208	147	174	0	216	124	188	0	200	176	188	0	200	179	0	0	0	0	0	0
200	55	0	49	0	120	0	98	0	0	0	0	0	183	0	222	145	183	0	239	130	193	0	205	181	193	0	206	176	0	0	0	0	0	0
300	68	0	68	0	124	0	98	0	0	0	0	0	164	0	188	147	166	0	199	125	195	0	204	184	194	0	204	184	0	0	0	0	0	0
400	76	0	77	0	149	0	119	0	0	0	0	0	159	0	181	135	166	0	199	128	182	0	189	173	183	0	193	173	0	0	0	0	0	0
500	74	0	72	0	133	0	104	0	0	0	0	0	153	0	184	129	156	0	193	114	188	0	200	171	188	0	200	173	0	0	0	0	0	0
600	75	0	75	0	159	0	129	0	0	0	0	0	152	0	174	122	157	0	193	104	175	0	183	157	176	0	186	163	0	0	0	0	0	0
700	77	0	76	0	157	0	159	0	0	0	0	0	141	0	170	117	144	0	172	121	163	0	177	148	164	0	174	150	0	0	0	0	0	0
800	89	0	87	0	173	0	178	0	0	0	0	0	145	0	170	119	150	0	191	106	162	0	177	144	165	0	176	149	0	0	0	0	0	0
900	87	0	87	0	162	0	149	0	0	0	0	0	149	0	183	112	154	0	190	122	170	0	185	148	172	0	188	155	0	0	0	0	0	0
1000	69	0	71	0	120	0	108	0	0	0	0	0	158	0	191	124	162	0	213	102	171	0	195	148	173	0	191	149	0	0	0	0	0	0
1100	52	0	49	0	84	0	80	0	0	0	0	0	156	0	256	101	161	0	204	104	168	0	207	124	169	0	208	122	0	0	0	0	0	0
1200	56	0	54	0	84	0	83	0	0	0	0	0	155	0	247	104	159	0	240	101	166	0	216	129	167	0	201	96	0	0	0	0	0	0
1300	63	0	61	0	101	0	101	0	0	0	0	0	149	0	202	90	154	0	240	101	163	0	192	134	162	0	185	133	0	0	0	0	0	0
1400	26	0	21	0	57	0	51	0	0	0	0	0	168	3	267	94	165	3	263	101	179	0	227	100	178	0	234	114	0	0	0	0	0	0
1500	72	0	73	0	105	0	112	0	0	0	0	0	138	0	173	101	144	0	193	104	148	0	167	122	151	0	167	125	0	0	0	0	0	0
1600	75	0	75	0	95	0	98	0	0	0	0	0	128	0	146	104	134	0	168	104	136	0	149	123	138	0	150	126	0	0	0	0	0	0
1700	113	0	105	0	136	0	146	0	0	0	0	0	117	0	129	100	124	0	147	104	124	0	135	113	127	0	139	112	0	0	0	0	0	0
1800	116	0	109	0	157	0	160	0	0	0	0	0	121	0	137	111	127	0	147	104	132	0	157	118	134	0	152	122	0	0	0	0	0	0
1900	82	0	80	0	141	0	144	0	0	0	0	0	150	0	199	119	155	0	192	123	160	0	177	143	162	0	181	139	0	0	0	0	0	0
2000	144	0	141	0	176	0	187	0	0	0	0	0	121	0	136	109	127	0	147	104	127	0	138	115	129	0	142	116	0	0	0	0	0	0
2100	93	0	90	0	168	0	176	0	0	0	0	0	136	0	137	118	142	0	170	108	153	0	166	136	156	0	168	139	0	0	0	0	0	0
2200	87	0	90	0	152	0	157	0	0	0	0	0	131	0	144	119	137	0	169	121	147	0	159	137	150	0	162	139	0	0	0	0	0	0
2300	85	0	82	0	143	0	151	0	0	0	0	0	144	0	173	115	147	0	173	124	156	0	170	145	159	0	171	146	0	0	0	0	0	0
2400	77	0	75	0	134	0	138	0	0	0	0	0	133	0	155	112	140	0	170	102	146	0	159	133	150	0	163	131	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	308	0	301	0	345	0	340	0	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
200	303	0	296	0	322	0	315	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
300	296	0	288	0	334	0	329	0	320	0	320	0	40	0	41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
400	290	0	283	0	322	0	315	0	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
500	283	0	276	0	347	0	340	0	320	0	320	0	65	0	65	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
600	288	0	281	0	306	0	301	0	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
700	285	0	279	0	294	0	288	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
800	283	0	278	0	290	0	285	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
900	297	0	290	0	306	0	301	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1000	314	0	308	0	308	0	305	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1100	359	0	351	0	343	0	338	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1200	381	0	376	0	363	0	360	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1300	392	0	385	0	381	0	376	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1400	408	0	401	0	397	0	392	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1500	415	0	408	0	412	0	405	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1600	412	0	405	0	410	0	403	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1700	390	0	383	0	394	0	387	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1800	379	0	374	0	392	0	381	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1900	378	0	370	0	383	0	378	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2000	381	0	376	0	385	0	379	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2100	374	0	369	0	385	0	379	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2200	374	0	369	0	388	0	381	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2300	379	0	372	0	381	0	374	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	229	0
2400	378	0	370	0	379	0	374	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	229	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES., SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1		MIN	MAX	WIND DIR2 50 B S		MIN	MAX	WIND DIR3 150A S		MIN	MAX	WIND DIR4 150B S		MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S	
100	78	0	77	0	127	0	132	0	0	0	0	0	129	0	143	114	137	0	152	123	147	0	158	132	151	0	165	125	0	0	0	0	0	0
200	64	0	62	0	118	0	122	0	0	0	0	0	140	0	173	119	144	0	173	123	158	0	175	147	160	0	178	147	0	0	0	0	0	0
300	37	0	30	0	54	0	55	0	0	0	0	0	230	0	265	178	229	3	266	147	232	0	263	203	231	0	261	206	0	0	0	0	0	0
400	52	0	48	0	57	0	61	0	0	0	0	0	319	0	336	292	314	0	332	284	308	0	316	299	302	0	309	293	0	0	0	0	0	0
500	38	0	32	0	55	0	56	0	0	0	0	0	7	0	52	331	4	0	59	326	1	0	23	338	355	0	16	333	0	0	0	0	0	0
600	29	0	25	0	28	0	32	0	0	0	0	0	99	3	129	69	103	3	128	59	68	3	85	30	69	0	88	23	0	0	0	0	0	0
700	27	0	20	0	49	0	50	0	0	0	0	0	357	3	66	289	356	3	83	281	5	0	17	356	2	0	18	352	0	0	0	0	0	0
800	41	0	35	0	56	0	57	0	0	0	0	0	348	0	28	310	345	0	35	304	354	0	26	317	351	0	20	330	0	0	0	0	0	0
900	36	0	30	0	58	0	59	0	0	0	0	0	1	0	53	297	2	3	83	303	359	0	54	329	355	0	31	333	0	0	0	0	0	0
1000	43	0	38	0	55	0	55	0	0	0	0	0	30	0	63	350	29	0	61	349	17	0	53	348	14	0	44	343	0	0	0	0	0	0
1100	79	0	73	0	132	0	129	0	0	0	0	0	348	0	22	307	345	0	37	284	353	0	19	328	350	0	21	329	0	0	0	0	0	0
1200	76	0	71	0	92	0	95	0	0	0	0	0	23	0	52	344	20	0	58	333	11	0	45	335	8	0	39	336	0	0	0	0	0	0
1300	72	0	69	0	93	0	96	0	0	0	0	0	20	0	48	341	18	0	60	327	9	0	48	318	6	0	51	334	0	0	0	0	0	0
1400	53	0	45	0	79	0	83	0	0	0	0	0	9	0	61	292	11	0	102	285	0	0	65	301	357	0	56	314	0	0	0	0	0	0
1500	50	0	44	0	65	0	66	0	0	0	0	0	351	0	49	301	354	0	105	304	355	0	31	313	352	0	28	307	0	0	0	0	0	0
1600	54	0	50	0	66	0	67	0	0	0	0	0	335	0	20	290	331	0	13	286	344	0	11	324	340	0	16	312	0	0	0	0	0	0
1700	42	0	38	0	63	0	64	0	0	0	0	0	348	0	36	295	350	0	58	306	350	0	19	313	347	0	18	313	0	0	0	0	0	0
1800	82	0	80	0	101	0	102	0	0	0	0	0	316	0	338	273	311	0	352	261	326	0	348	306	321	0	338	299	0	0	0	0	0	0
1900	61	0	57	0	87	0	88	0	0	0	0	0	332	0	9	286	329	0	12	285	337	0	358	296	333	0	351	290	0	0	0	0	0	0
2000	43	0	38	0	62	0	63	0	0	0	0	0	1	0	55	288	359	0	60	305	351	0	37	325	348	0	40	307	0	0	0	0	0	0
2100	55	0	48	0	74	0	74	0	0	0	0	0	337	0	16	299	337	0	36	285	341	0	8	319	336	0	5	311	0	0	0	0	0	0
2200	33	0	29	0	45	0	46	0	0	0	0	0	14	0	71	326	9	3	60	306	5	0	47	325	1	0	47	312	0	0	0	0	0	0
2300	32	0	28	0	28	0	30	0	0	0	0	0	29	0	93	345	28	3	102	330	27	3	68	335	24	3	72	331	0	0	0	0	0	0
2400	13	0	12	0	13	0	14	0	0	0	0	0	72	3	168	1	74	3	127	12	70	0	121	3	70	0	127	3	0	0	0	0	0	0

	AMB. TEM1 30 A-S		AMB. TEM2 30 B S		AMB. TEM3 180A-S		AMB. TEM4 180B-S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	379	0	372	0	383	0	376	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	229	0
200	383	0	378	0	387	0	381	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	229	0
300	390	0	383	0	394	0	387	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	230	0
400	387	0	379	0	390	0	383	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	230	0
500	392	0	385	0	390	0	385	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
600	383	0	378	0	385	0	379	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
700	379	0	374	0	383	0	376	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
800	383	0	378	0	383	0	376	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
900	383	0	378	0	383	0	376	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
1000	390	0	383	0	387	0	379	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
1100	396	0	388	0	390	0	383	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
1200	406	0	401	0	403	0	394	0	320	0	320	0	-9	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	246	0
1300	405	0	397	0	403	0	394	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	6
1400	406	0	399	0	399	0	390	0	320	0	320	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
1500	405	0	397	0	397	0	390	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
1600	399	0	392	0	394	0	387	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
1700	397	0	390	0	394	0	387	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
1800	392	0	387	0	390	0	383	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
1900	388	0	381	0	388	0	381	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
2000	388	0	381	0	387	0	381	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
2100	390	0	383	0	388	0	383	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
2200	390	0	383	0	388	0	383	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
2300	385	0	379	0	385	0	378	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0
2400	381	0	374	0	374	0	369	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	232	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1 50 B S	MIN	MAX	WIND DIR2 150A S	MIN	MAX	WIND DIR3 150B S	MIN	MAX	WIND DIR4 S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6
100	44 0	40 0	45 0	47 0	0 0	0 0	123 0	155	89	127 0	170	80	121 0	142	94	125 0	147	93	0 0	0	0	0
200	26 0	25 0	36 0	38 0	0 0	0 0	135 0	174	112	139 0	171	104	146 0	170	124	149 0	171	121	0 0	0	0	0
300	46 0	45 0	70 0	72 0	0 0	0 0	142 0	175	107	147 0	196	123	154 0	176	135	157 0	175	138	0 0	0	0	0
400	71 0	64 0	105 0	107 0	0 0	0 0	147 0	174	115	152 0	192	104	155 0	185	126	157 0	176	133	0 0	0	0	0
500	73 0	62 0	115 0	106 0	0 0	0 0	165 0	227	116	169 0	233	103	171 0	204	146	172 0	201	142	0 0	0	0	0
600	48 0	42 0	91 0	82 0	0 0	0 0	173 0	262	116	169 0	217	104	178 0	232	127	177 0	215	153	0 0	0	0	0
700	62 0	58 0	97 0	89 0	0 0	0 0	169 0	246	117	172 0	233	124	177 0	214	151	177 0	212	150	0 0	0	0	0
800	92 0	90 0	153 0	147 0	0 0	0 0	154 0	198	113	156 0	213	104	166 0	193	142	167 0	195	143	0 0	0	0	0
900	97 0	95 0	156 0	155 0	0 0	0 0	156 0	198	101	158 0	213	102	165 0	193	137	167 0	197	143	0 0	0	0	0
1000	100 0	98 0	165 0	162 0	0 0	0 0	157 0	208	115	160 0	218	101	165 0	185	139	168 0	188	144	0 0	0	0	0
1100	82 0	77 0	146 0	146 0	0 0	0 0	156 0	259	107	160 0	221	104	165 0	196	133	167 0	210	130	0 0	0	0	0
1200	83 0	80 0	150 0	148 0	0 0	0 0	152 0	213	110	158 0	241	102	163 0	188	137	167 0	198	133	0 0	0	0	0
1300	99 0	93 0	171 0	158 0	0 0	0 0	162 0	232	93	168 0	236	104	171 0	215	143	173 0	202	128	0 0	0	0	0
1400	100 0	96 0	157 0	148 0	0 0	0 0	152 0	191	101	156 0	218	101	165 0	192	137	166 0	192	139	0 0	0	0	0
1500	117 0	112 0	202 0	192 0	0 0	0 0	153 0	238	120	158 0	237	105	166 0	191	140	167 0	194	127	0 0	0	0	0
1600	131 0	120 0	201 0	199 0	0 0	0 0	157 0	208	111	160 0	238	105	163 0	192	140	166 0	192	129	0 0	0	0	0
1700	127 0	127 0	214 0	218 0	0 0	0 0	148 0	179	115	154 0	260	124	161 0	189	137	163 0	193	141	0 0	0	0	0
1800	125 0	123 0	216 0	219 0	0 0	0 0	152 0	207	125	156 0	213	122	160 0	194	131	163 0	191	134	0 0	0	0	0
1900	120 0	124 0	216 0	219 0	0 0	0 0	152 0	210	117	157 0	236	104	162 0	193	137	163 0	202	142	0 0	0	0	0
2000	131 0	129 0	225 0	217 0	0 0	0 0	157 0	213	114	163 0	214	101	164 0	205	128	168 0	189	128	0 0	0	0	0
2100	138 0	133 0	234 0	225 0	0 0	0 0	160 0	221	117	163 0	217	104	167 0	205	137	170 0	201	142	0 0	0	0	0
2200	122 0	114 0	212 0	190 0	0 0	0 0	166 0	240	98	167 0	262	104	172 0	206	140	175 0	205	147	0 0	0	0	0
2300	97 0	85 0	180 0	156 0	0 0	0 0	176 0	262	92	176 0	268	105	180 0	213	144	182 0	211	142	0 0	0	0	0
2400	104 0	83 0	169 0	147 0	0 0	0 0	195 0	266	92	201 0	263	100	198 0	220	170	197 0	222	166	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	379 0	372 0	370 0	365 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
200	376 0	369 0	367 0	361 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
300	369 0	363 0	361 0	354 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
400	358 0	351 0	349 0	343 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
500	347 0	340 0	336 0	331 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
600	336 0	329 0	327 0	322 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
700	324 0	315 0	314 0	308 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
800	310 0	305 0	306 0	299 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
900	322 0	310 0	322 0	312 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
1000	322 0	314 0	320 0	312 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
1100	340 0	334 0	333 0	325 0	320 0	320 0	-16 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
1200	360 0	354 0	352 0	343 0	320 0	320 0	-18 0	-20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
1300	369 0	361 0	360 0	352 0	320 0	320 0	-16 0	-18 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
1400	378 0	370 0	370 0	363 0	320 0	320 0	-16 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
1500	378 0	370 0	370 0	365 0	320 0	320 0	-14 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
1600	376 0	369 0	374 0	369 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
1700	379 0	372 0	379 0	370 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
1800	383 0	376 0	383 0	376 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
1900	385 0	379 0	385 0	379 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
2000	392 0	385 0	390 0	383 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
2100	392 0	385 0	390 0	383 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
2200	401 0	394 0	399 0	394 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
2300	414 0	406 0	412 0	406 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
2400	426 0	419 0	423 0	417 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0

STATUS CODES) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

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	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 50 A S	MIN-MAX 50 B S	WIND DIR2 150A S	MIN-MAX	WIND DIR3 150B S	MIN-MAX	WIND DIR4 S	MIN-MAX	WIND DIR5 S	MIN-MAX	WIND DIR6 S
100	113 0	88 0	168 0	144 0	0 0	0 0	208 0	266 165	209 0	262 123	201 0	233 175	202 0	237 172	0 0	0 0	0
200	126 0	100 0	199 0	171 0	0 0	0 0	209 0	258 174	212 0	262 146	201 0	230 167	202 0	231 173	0 0	0 0	0
300	110 0	86 0	189 0	153 0	0 0	0 0	196 0	258 143	195 0	259 110	193 0	227 159	194 0	227 175	0 0	0 0	0
400	94 0	72 0	159 0	133 0	0 0	0 0	205 0	244 128	210 0	259 148	200 0	231 158	201 0	233 170	0 0	0 0	0
500	81 0	62 0	142 0	121 0	0 0	0 0	203 0	255 137	202 0	262 103	195 0	227 164	196 0	238 170	0 0	0 0	0
600	85 0	64 0	128 0	110 0	0 0	0 0	214 0	251 173	214 0	261 147	204 0	224 134	204 0	221 139	0 0	0 0	0
700	65 0	47 0	112 0	97 0	0 0	0 0	202 0	238 147	203 0	261 127	198 0	220 174	199 0	222 169	0 0	0 0	0
800	59 0	47 0	118 0	95 0	0 0	0 0	189 0	239 145	189 0	240 123	190 0	205 171	190 0	209 173	0 0	0 0	0
900	53 0	44 0	108 0	92 0	0 0	0 0	187 0	245 124	189 0	260 125	191 0	217 171	192 0	218 167	0 0	0 0	0
1000	67 0	51 0	119 0	102 0	0 0	0 0	205 0	239 151	205 0	241 149	207 0	227 176	208 0	223 181	0 0	0 0	0
1100	71 0	58 0	101 0	94 0	0 0	0 0	216 0	255 169	223 0	285 191	213 0	239 177	213 0	237 186	0 0	0 0	0
1200	70 0	58 0	110 0	102 0	0 0	0 0	220 0	265 180	221 0	267 173	213 0	240 183	215 0	241 177	0 0	0 0	0
1300	73 0	65 0	113 0	110 0	0 0	0 0	228 0	279 194	225 0	262 173	219 0	249 190	220 0	245 184	0 0	0 0	0
1400	67 0	60 0	102 0	100 0	0 0	0 0	220 0	266 184	224 0	261 172	219 0	242 189	218 0	234 197	0 0	0 0	0
1500	58 0	52 0	99 0	88 0	0 0	0 0	218 0	268 164	221 0	264 171	213 0	237 184	212 0	231 189	0 0	0 0	0
1600	43 0	38 0	67 0	63 0	0 0	0 0	219 0	261 187	221 0	264 173	215 0	238 186	216 0	238 191	0 0	0 0	0
1700	39 0	41 0	43 0	48 0	0 0	0 0	246 0	267 221	247 0	264 215	242 0	254 230	240 0	254 229	0 0	0 0	0
1800	94 0	95 0	159 0	156 0	0 0	0 0	338 0	12 294	338 0	15 286	345 0	3 330	341 0	4 325	0 0	0 0	0
1900	67 0	69 0	128 0	129 0	0 0	0 0	16 0	72 333	15 0	83 328	0 0	39 311	358 0	33 304	0 0	0 0	0
2000	51 0	52 0	87 0	85 0	0 0	0 0	21 0	129 288	17 0	104 282	16 0	81 305	14 0	54 310	0 0	0 0	0
2100	43 0	45 0	69 0	69 0	0 0	0 0	1 0	43 296	359 0	40 306	21 0	45 351	18 0	41 346	0 0	0 0	0
2200	119 0	119 0	139 0	144 0	0 0	0 0	291 0	312 270	288 0	309 240	301 0	315 283	296 0	307 280	0 0	0 0	0
2300	83 0	84 0	134 0	133 0	0 0	0 0	342 0	1 320	340 0	17 286	347 0	7 329	343 0	353 327	0 0	0 0	0
2400	83 0	82 0	132 0	127 0	0 0	0 0	348 0	27 314	345 0	58 285	354 0	16 332	352 0	33 323	0 0	0 0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	428 0	423 0	421 0	415 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
200	439 0	432 0	430 0	424 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	232 0
300	424 0	417 0	419 0	414 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	233 0
400	428 0	423 0	423 0	417 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	239 0
500	430 0	424 0	424 0	419 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	250 0
600	433 0	428 0	428 0	423 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	4 6
700	437 0	430 0	432 0	426 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	8 0
800	441 0	433 0	437 0	432 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	11 0
900	446 0	441 0	446 0	441 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	14 0
1000	457 0	450 0	459 0	451 0	320 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	16 0
1100	475 0	469 0	473 0	468 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	16 0
1200	482 0	477 0	477 0	473 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	17 0
1300	487 0	480 0	480 0	475 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	17 0
1400	489 0	484 0	484 0	478 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	17 0
1500	495 0	489 0	489 0	484 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	18 0
1600	500 0	495 0	495 0	489 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	22 0
1700	498 0	491 0	493 0	489 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	26 0
1800	421 0	414 0	417 0	412 0	320 0	320 0	2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1900	405 0	399 0	399 0	394 0	320 0	320 0	-5 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	32 0
2000	406 0	399 0	399 0	394 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	32 0
2100	410 0	403 0	406 0	401 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	32 0
2200	406 0	401 0	403 0	397 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	32 0
2300	403 0	396 0	396 0	390 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	32 0
2400	394 0	388 0	387 0	381 0	320 0	320 0	-5 0	-3 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	32 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	92	0	86	0	139	0	137	0	0	0	0	0	346	0	41	320	345	0	35	304	354	0	20	329	350	0	21	326	0	0	0	0	0	0
200	106	0	100	0	162	0	160	0	0	0	0	0	21	0	57	340	18	0	59	330	10	0	35	330	7	0	28	333	0	0	0	0	0	0
300	80	0	75	0	114	0	112	0	0	0	0	0	14	0	54	327	13	0	59	330	9	0	30	340	6	0	33	333	0	0	0	0	0	0
400	93	0	92	0	113	0	112	0	0	0	0	0	34	0	60	15	33	0	61	12	28	0	64	2	26	0	55	354	0	0	0	0	0	0
500	67	0	66	0	81	0	85	0	0	0	0	0	50	0	86	25	51	0	84	13	45	0	84	15	44	0	79	23	0	0	0	0	0	0
600	74	0	69	0	88	0	88	0	0	0	0	0	35	0	57	5	33	0	60	353	31	0	51	8	28	0	54	3	0	0	0	0	0	0
700	87	0	81	0	98	0	96	0	0	0	0	0	27	0	46	1	24	0	60	351	18	0	39	347	15	0	39	354	0	0	0	0	0	0
800	58	0	57	0	67	0	75	0	0	0	0	0	47	0	76	23	47	0	84	13	42	0	68	13	43	0	72	10	0	0	0	0	0	0
900	73	0	76	0	94	0	100	0	0	0	0	0	47	0	82	25	47	0	102	309	40	0	73	21	39	0	81	17	0	0	0	0	0	0
1000	84	0	86	0	97	0	106	0	0	0	0	0	47	0	73	22	46	0	81	327	44	0	66	25	43	0	62	21	0	0	0	0	0	0
1100	74	0	79	0	83	0	98	0	0	0	0	0	63	0	90	37	64	0	104	35	56	0	79	34	57	0	84	34	0	0	0	0	0	0
1200	61	0	65	0	74	0	83	0	0	0	0	0	50	0	78	18	50	0	84	354	47	0	73	24	47	0	71	17	0	0	0	0	0	0
1300	82	0	82	0	89	0	103	0	0	0	0	0	78	0	115	52	78	0	122	38	71	0	92	46	72	0	104	47	0	0	0	0	0	0
1400	107	0	108	0	119	0	131	0	0	0	0	0	75	0	97	54	78	0	125	37	71	0	94	41	72	0	98	46	0	0	0	0	0	0
1500	86	0	90	0	102	0	116	0	0	0	0	0	71	0	99	44	75	0	107	38	69	0	103	49	70	0	110	51	0	0	0	0	0	0
1600	103	0	110	0	118	0	139	0	0	0	0	0	62	0	84	39	64	0	84	36	59	0	78	40	59	0	77	37	0	0	0	0	0	0
1700	111	0	110	0	123	0	136	0	0	0	0	0	76	0	106	52	79	0	126	37	71	0	90	53	71	0	92	49	0	0	0	0	0	0
1800	119	0	124	0	144	0	151	0	0	0	0	0	79	0	104	56	81	0	126	58	75	0	98	55	77	0	96	64	0	0	0	0	0	0
1900	133	0	130	0	170	0	169	0	0	0	0	0	90	0	119	65	93	0	129	58	86	0	104	71	88	0	116	66	0	0	0	0	0	0
2000	134	0	131	0	169	0	171	0	0	0	0	0	86	0	113	61	89	0	149	60	82	0	116	65	84	0	105	62	0	0	0	0	0	0
2100	125	0	118	0	169	0	168	0	0	0	0	0	97	0	120	73	100	0	150	79	91	0	116	69	94	0	118	76	0	0	0	0	0	0
2200	147	0	140	0	193	0	195	0	0	0	0	0	95	0	114	74	98	0	129	80	91	0	108	74	94	0	114	77	0	0	0	0	0	0
2300	173	0	162	0	211	0	215	0	0	0	0	0	97	0	123	76	103	0	152	59	92	0	120	74	95	0	127	66	0	0	0	0	0	0
2400	156	0	150	0	194	0	194	0	0	0	0	0	88	0	103	70	90	0	125	57	87	0	111	66	89	0	108	69	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	388	0	383	0	381	0	378	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
200	381	0	374	0	376	0	367	0	320	0	320	0	-4	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
300	381	0	374	0	374	0	367	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
400	370	0	365	0	365	0	358	0	320	0	320	0	-4	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
500	369	0	361	0	361	0	356	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
600	361	0	356	0	356	0	351	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
700	356	0	349	0	349	0	342	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
800	351	0	343	0	351	0	343	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
900	352	0	345	0	354	0	349	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
1000	349	0	342	0	352	0	345	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
1100	343	0	336	0	347	0	342	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
1200	343	0	338	0	349	0	342	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
1300	349	0	342	0	351	0	343	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
1400	347	0	340	0	349	0	342	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
1500	347	0	340	0	349	0	343	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
1600	345	0	338	0	347	0	342	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
1700	343	0	336	0	347	0	340	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
1800	345	0	340	0	351	0	343	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
1900	347	0	340	0	351	0	343	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
2000	347	0	340	0	351	0	343	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	32	0
2100	342	0	333	0	343	0	338	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	33	0
2200	336	0	329	0	342	0	334	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	34	0
2300	336	0	329	0	338	0	331	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	34	0
2400	322	0	314	0	325	0	320	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	36	0

STATUS CO[illegible]3) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, [illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL[illegible]

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	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1	MIN 50 B S	MAX	WIND DIR2	MIN 150A S	MAX	WIND DIR3	MIN 150D S	MAX	WIND DIR4	MIN S	MAX	WIND DIR5	MIN S	MAX	WIND DIR6
100	152	0	145	0	165	0	163	0	0	0	0	0	89	0	113	69	92	0	131	58	86	0	115	67	89	0	121	72	0	0	0	0	0	0
200	123	0	114	0	121	0	116	0	0	0	0	0	92	0	120	70	93	0	147	59	89	0	99	77	90	0	109	69	0	0	0	0	0	0
300	132	0	126	0	135	0	120	0	0	0	0	0	92	0	122	62	96	0	148	59	89	0	104	89	90	0	117	60	0	0	0	0	0	0
400	118	0	109	0	115	0	105	0	0	0	0	0	108	0	129	84	113	0	167	80	89	0	90	89	103	0	122	69	0	0	0	0	0	0
500	81	0	75	0	80	0	75	0	0	0	0	0	110	0	135	83	117	0	149	79	89	0	89	89	106	0	135	89	0	0	0	0	0	0
600	120	0	116	0	106	0	97	0	0	0	0	0	113	0	126	96	122	0	148	101	109	0	123	95	115	0	139	89	0	0	0	0	0	0
700	261	0	251	0	115	0	105	0	0	0	0	0	114	0	127	101	122	0	147	103	114	0	128	95	123	0	135	105	0	0	0	0	0	0
800	210	0	209	0	246	0	248	0	0	0	0	0	119	0	137	105	126	0	148	102	121	0	136	107	126	0	150	108	0	0	0	0	0	0
900	177	0	172	0	200	0	209	0	0	0	0	0	119	0	138	102	125	0	151	102	122	0	138	107	126	0	142	109	0	0	0	0	0	0
1000	115	0	114	0	161	0	169	0	0	0	0	0	130	0	155	102	139	0	173	102	132	0	153	113	136	0	160	117	0	0	0	0	0	0
1100	127	0	133	0	155	0	160	0	0	0	0	0	127	0	171	102	134	0	181	104	137	0	168	125	140	0	168	125	0	0	0	0	0	0
1200	109	0	110	0	153	0	158	0	0	0	0	0	130	0	149	114	139	0	151	125	141	0	159	125	144	0	159	128	0	0	0	0	0	0
1300	88	0	84	0	124	0	121	0	0	0	0	0	150	0	176	119	155	0	193	107	161	0	182	138	163	0	182	145	0	0	0	0	0	0
1400	61	0	51	0	115	0	99	0	0	0	0	0	197	0	263	123	196	0	262	105	201	0	228	159	202	0	233	164	0	0	0	0	0	0
1500	181	0	177	0	251	0	265	0	0	0	0	0	245	0	261	229	246	0	266	214	250	0	256	245	249	0	254	239	0	0	0	0	0	0
1600	156	0	155	0	231	0	239	0	0	0	0	0	242	0	272	217	244	0	264	215	248	0	253	234	247	0	253	237	0	0	0	0	0	0
1700	148	0	148	0	238	0	250	0	0	0	0	0	255	0	286	232	255	0	304	217	260	0	265	254	259	0	264	251	0	0	0	0	0	0
1800	207	0	205	0	241	0	255	0	0	0	0	0	267	0	285	253	267	0	286	238	270	0	289	261	268	0	288	261	0	0	0	0	0	0
1900	129	0	119	0	161	0	168	0	0	0	0	0	274	0	309	240	271	0	328	236	278	0	311	249	278	0	303	249	0	0	0	0	0	0
2000	174	0	165	0	194	0	208	0	0	0	0	0	290	0	311	259	289	0	333	259	289	0	318	249	287	0	313	255	0	0	0	0	0	0
2100	187	0	179	0	230	0	236	0	0	0	0	0	298	0	332	284	294	0	308	262	305	0	311	300	299	0	304	293	0	0	0	0	0	0
2200	167	0	153	0	205	0	212	0	0	0	0	0	296	0	313	283	292	0	326	259	302	0	312	292	296	0	304	289	0	0	0	0	0	0
2300	130	0	126	0	150	0	157	0	0	0	0	0	285	0	312	234	282	0	318	218	287	0	311	249	282	0	301	241	0	0	0	0	0	0
2400	128	0	124	0	135	0	142	0	0	0	0	0	291	0	311	255	290	0	326	239	293	0	318	245	288	0	306	237	0	0	0	0	0	0

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S	RAIN S
100	312	0	305	0	308	0	303	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	42	0
200	314	0	306	0	303	0	297	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
300	314	0	306	0	308	0	299	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	48	0
400	320	0	312	0	312	0	306	0	320	0	320	0	-3	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	57	0
500	325	0	317	0	315	0	310	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	58	0
600	331	0	324	0	322	0	312	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
700	340	0	333	0	324	0	317	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
800	345	0	338	0	338	0	331	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	60	0
900	349	0	343	0	345	0	340	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	61	0
1000	358	0	351	0	356	0	349	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	61	0
1100	370	0	363	0	369	0	361	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	61	0
1200	385	0	379	0	385	0	381	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	61	0
1300	406	0	399	0	406	0	401	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	61	0
1400	435	0	428	0	439	0	432	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	61	0
1500	446	0	439	0	453	0	446	0	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	62	0
1600	428	0	421	0	439	0	433	0	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	62	0
1700	428	0	421	0	441	0	433	0	320	0	320	0	16	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	62	0
1800	430	0	426	0	437	0	430	0	320	0	320	0	7	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	62	0
1900	421	0	414	0	419	0	412	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	62	0
2000	401	0	396	0	399	0	392	0	320	0	320	0	-4	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	62	0
2100	388	0	381	0	381	0	376	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	62	0
2200	374	0	369	0	363	0	358	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	62	0
2300	369	0	361	0	356	0	351	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	62	0
2400	363	0	358	0	352	0	347	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	62	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1 50 B S	MIN	MAX	WIND DIR2 150A S	MIN	MAX	WIND DIR3 150B S	MIN	MAX	WIND DIR4 S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6
100	119	0	113	0	143	0	149	0	0	0	0	0	302	0	326	285	299	0	328	262	308	0	319	300	302	0	309	292	0	0	0	0	0	0
200	78	0	74	0	93	0	98	0	0	0	0	0	296	0	322	273	295	0	328	260	301	0	311	285	296	0	307	275	0	0	0	0	0	0
300	74	0	73	0	72	0	80	0	0	0	0	0	292	0	340	237	290	0	331	215	289	0	323	248	284	0	311	244	0	0	0	0	0	0
400	57	0	55	0	73	0	75	0	0	0	0	0	317	0	350	267	315	0	354	262	323	0	23	296	317	0	350	289	0	0	0	0	0	0
500	37	0	35	0	54	0	59	0	0	0	0	0	280	0	331	204	280	0	349	191	288	0	332	237	283	0	325	227	0	0	0	0	0	0
600	15	0	14	0	93	2	12	0	0	0	0	0	237	0	296	181	239	0	308	191	220	0	268	123	210	0	267	104	0	0	0	0	0	0
700	26	0	22	0	44	0	41	0	0	0	0	0	185	0	220	140	190	3	221	147	188	0	211	175	188	0	213	177	0	0	0	0	0	0
800	41	0	35	0	61	0	55	0	0	0	0	0	185	0	233	135	186	0	237	137	186	0	211	153	188	0	208	158	0	0	0	0	0	0
900	52	0	43	0	92	0	82	0	0	0	0	0	175	0	218	122	179	0	236	101	177	0	209	143	180	0	210	137	0	0	0	0	0	0
1000	37	0	34	0	65	0	65	0	0	0	0	0	160	0	256	99	159	0	238	104	166	0	207	127	166	0	222	125	0	0	0	0	0	0
1100	58	0	59	0	95	0	97	0	0	0	0	0	146	0	199	109	149	0	198	103	154	0	176	117	157	0	178	129	0	0	0	0	0	0
1200	49	0	50	0	87	0	91	0	0	0	0	0	148	0	233	106	153	0	248	101	157	0	231	124	160	0	219	131	0	0	0	0	0	0
1300	88	0	90	0	120	0	124	0	0	0	0	0	133	0	176	103	141	0	177	104	141	0	165	113	144	0	166	116	0	0	0	0	0	0
1400	60	0	64	0	97	0	103	0	0	0	0	0	138	0	190	107	146	0	226	105	144	0	168	124	147	0	165	122	0	0	0	0	0	0
1500	71	0	77	0	114	0	119	0	0	0	0	0	141	0	170	113	148	0	248	104	152	0	172	134	155	0	180	136	0	0	0	0	0	0
1600	86	0	89	0	142	0	147	0	0	0	0	0	130	0	153	113	139	0	171	124	145	0	158	134	148	0	164	134	0	0	0	0	0	0
1700	96	0	96	0	140	0	144	0	0	0	0	0	125	0	142	110	132	0	149	124	137	0	145	128	141	0	151	131	0	0	0	0	0	0
1800	93	0	96	0	161	0	164	0	0	0	0	0	132	0	159	113	139	0	170	105	143	0	158	127	147	0	161	133	0	0	0	0	0	0
1900	127	0	132	0	203	0	212	0	0	0	0	0	135	0	158	116	142	0	173	105	148	0	159	137	151	0	163	139	0	0	0	0	0	0
2000	142	0	141	0	226	0	235	0	0	0	0	0	141	0	166	127	148	0	191	127	154	0	170	141	157	0	173	147	0	0	0	0	0	0
2100	126	0	131	0	206	0	210	0	0	0	0	0	142	0	169	120	149	0	189	124	153	0	177	127	156	0	173	126	0	0	0	0	0	0
2200	125	0	125	0	203	0	210	0	0	0	0	0	145	0	169	124	152	0	194	124	157	0	173	138	160	0	177	139	0	0	0	0	0	0
2300	118	0	118	0	189	0	200	0	0	0	0	0	142	0	163	122	148	0	173	124	155	0	173	138	158	0	177	144	0	0	0	0	0	0
2400	121	0	119	0	175	0	205	0	0	0	0	0	145	0	172	119	150	0	173	105	159	0	177	142	161	0	171	149	0	0	0	0	0	0

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	363	0	356	0	352	0	347	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
200	363	0	356	0	352	0	349	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
300	367	0	360	0	356	0	351	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
400	365	0	358	0	356	0	351	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
500	365	0	358	0	356	0	351	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
600	360	0	352	0	351	0	345	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
700	358	0	351	0	349	0	343	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
800	354	0	347	0	345	0	340	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
900	352	0	345	0	342	0	334	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
1000	354	0	347	0	340	0	334	0	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
1100	363	0	358	0	347	0	342	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
1200	394	0	387	0	370	0	365	0	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
1300	406	0	399	0	390	0	385	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
1400	423	0	415	0	408	0	403	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
1500	430	0	424	0	419	0	414	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
1600	428	0	423	0	421	0	415	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	62	0
1700	435	0	428	0	428	0	424	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	64	0
1800	446	0	439	0	441	0	435	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
1900	460	0	455	0	457	0	453	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
2000	471	0	466	0	468	0	462	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
2100	473	0	468	0	468	0	462	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
2200	477	0	471	0	473	0	468	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
2300	487	0	480	0	482	0	477	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
2400	498	0	491	0	493	0	487	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0

STATUS C[illegible]KS: DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID[illegible] = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECT[illegible] 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG[illegible]

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	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 S		WIND DIR1 50 A S		MIN	MAX	WIND DIR2 50 B S		MIN	MAX	WIND DIR3 150A S		MIN	MAX	WIND DIR4 150B S		MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S	
100	116	0	111	0	181	0	184	0	0	0	0	0	146	0	166	122	151	0	195	104	159	0	180	141	163	0	180	147	0	0	0	0	0	0
200	118	0	120	0	197	0	202	0	0	0	0	0	145	0	179	119	150	0	217	124	158	0	178	141	161	0	181	142	0	0	0	0	0	0
300	107	0	101	0	183	0	190	0	0	0	0	0	144	0	169	125	148	0	173	122	160	0	180	142	162	0	176	140	0	0	0	0	0	0
400	109	0	102	0	188	0	183	0	0	0	0	0	153	0	193	127	155	0	237	104	167	0	182	145	169	0	192	145	0	0	0	0	0	0
500	104	0	97	0	187	0	172	0	0	0	0	0	155	0	186	124	161	0	196	124	168	0	187	146	172	0	189	152	0	0	0	0	0	0
600	94	0	84	0	165	0	140	0	0	0	0	0	172	0	206	110	176	0	240	112	181	0	216	151	183	0	201	156	0	0	0	0	0	0
700	104	0	97	0	194	0	170	0	0	0	0	0	163	0	197	125	168	0	215	105	176	0	205	148	177	0	198	144	0	0	0	0	0	0
800	116	0	115	0	219	0	187	0	0	0	0	0	170	0	229	90	177	0	239	105	182	0	223	158	183	0	217	157	0	0	0	0	0	0
900	145	0	131	0	258	0	219	0	0	0	0	0	180	0	236	117	181	0	238	103	185	0	210	151	186	0	205	154	0	0	0	0	0	0
1000	140	0	124	0	240	0	202	0	0	0	0	0	186	0	257	103	192	0	263	100	189	0	227	144	191	0	261	148	0	0	0	0	0	0
1100	180	0	138	0	294	0	249	0	0	0	0	0	202	0	253	141	205	0	263	130	198	0	218	149	199	0	236	168	0	0	0	0	0	0
1200	189	0	159	0	294	0	252	0	0	0	0	0	210	0	261	6	214	0	263	145	205	0	238	168	208	0	231	179	0	0	0	0	0	0
1300	230	0	198	0	307	0	302	0	0	0	0	0	225	0	269	201	227	0	262	190	221	0	247	197	221	0	247	197	0	0	0	0	0	0
1400	207	0	196	0	301	0	309	0	0	0	0	0	229	0	256	194	235	0	286	195	225	0	254	194	224	0	252	199	0	0	0	0	0	0
1500	209	0	196	0	301	0	311	0	0	0	0	0	231	0	267	201	235	0	280	194	231	0	260	204	229	0	253	205	0	0	0	0	0	0
1600	190	0	174	0	270	0	272	0	0	0	0	0	228	0	268	193	231	0	283	193	226	0	256	197	223	0	249	188	0	0	0	0	0	0
1700	206	0	195	0	305	0	323	0	0	0	0	0	237	0	260	196	239	0	283	193	238	0	259	209	235	0	259	207	0	0	0	0	0	0
1800	190	0	182	0	294	0	314	0	0	0	0	0	242	0	269	224	244	0	262	215	243	0	254	211	240	0	256	213	0	0	0	0	0	0
1900	195	0	193	0	323	0	343	0	0	0	0	0	239	0	260	220	238	0	279	214	242	0	254	225	237	0	250	218	0	0	0	0	0	0
2000	191	0	188	0	312	0	332	0	0	0	0	0	243	0	264	218	243	0	263	214	246	0	254	238	243	0	251	234	0	0	0	0	0	0
2100	179	0	186	0	298	0	315	0	0	0	0	0	259	0	273	247	260	0	283	236	263	0	269	254	260	0	267	253	0	0	0	0	0	0
2200	171	0	171	0	238	0	251	0	0	0	0	0	243	0	257	229	244	0	263	214	251	0	258	242	248	0	256	239	0	0	0	0	0	0
2300	142	0	143	0	242	0	256	0	0	0	0	0	252	0	266	225	255	0	283	218	259	0	263	253	257	0	261	249	0	0	0	0	0	0
2400	157	0	156	0	186	0	194	0	0	0	0	0	267	0	284	255	265	0	286	237	272	0	282	252	269	0	279	257	0	0	0	0	0	0

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 1 180B S		D.T. 2 S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	502	0	496	0	498	0	493	0	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
200	507	0	500	0	504	0	498	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
300	518	0	511	0	514	0	509	0	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
400	522	0	516	0	520	0	516	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
500	523	0	518	0	529	0	522	0	320	0	320	0	7	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
600	527	0	523	0	534	0	525	0	320	0	320	0	9	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
700	549	0	543	0	552	0	547	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
800	556	0	549	0	554	0	549	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
900	561	0	556	0	558	0	552	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
1000	568	0	561	0	561	0	556	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
1100	583	0	576	0	576	0	570	0	320	0	320	0	-4	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	65	0
1200	595	0	590	0	586	0	581	0	320	0	320	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
1300	597	0	590	0	590	0	583	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
1400	585	0	579	0	581	0	574	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
1500	590	0	583	0	585	0	579	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
1600	592	0	586	0	586	0	581	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
1700	552	0	545	0	558	0	552	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
1800	514	0	509	0	543	0	538	0	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
1900	504	0	496	0	529	0	523	0	320	0	320	0	29	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
2000	487	0	480	0	520	0	514	0	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
2100	457	0	450	0	486	0	480	0	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
2200	451	0	444	0	462	0	457	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
2300	433	0	426	0	451	0	446	0	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0
2400	428	0	421	0	426	0	421	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	66	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1 50 B S	MIN	MAX	WIND DIR2 150A S	MIN	MAX	WIND DIR3 150B S	MIN	MAX	WIND DIR4 S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6
100	178 0	179 0	238 0	250 0	0 0	0 0	265 0	291	248	262 0	303	224	268 0	273	257	264 0	268	256	0 0	0	0	0
200	175 0	178 0	185 0	195 0	0 0	0 0	266 0	275	256	264 0	283	239	272 0	285	263	268 0	282	258	0 0	0	0	0
300	112 0	109 0	130 0	137 0	0 0	0 0	290 0	311	260	286 0	308	245	291 0	314	264	285 0	314	251	0 0	0	0	0
400	122 0	115 0	139 0	145 0	0 0	0 0	295 0	321	282	291 0	327	261	298 0	308	267	291 0	303	252	0 0	0	0	0
500	106 0	103 0	123 0	125 0	0 0	0 0	310 0	326	283	306 0	328	282	317 0	331	308	310 0	320	302	0 0	0	0	0
600	84 0	82 0	112 0	114 0	0 0	0 0	324 0	357	278	321 0	16	282	328 0	351	303	321 0	342	297	0 0	0	0	0
700	39 0	36 0	50 0	52 0	0 0	0 0	319 0	357	270	313 0	353	240	326 0	357	297	320 0	0	286	0 0	0	0	0
800	36 0	32 0	31 0	31 0	0 0	0 0	24 0	69	355	21 0	80	350	24 0	56	355	19 0	63	341	0 0	0	0	0
900	44 0	40 0	52 0	54 0	0 0	0 0	101 0	132	71	104 0	149	59	92 0	119	74	93 0	128	69	0 0	0	0	0
1000	46 0	51 0	68 0	78 0	0 0	0 0	149 0	258	98	159 0	266	101	151 0	201	122	154 0	196	120	0 0	0	0	0
1100	74 0	64 0	84 0	90 0	0 0	0 0	220 0	259	163	224 0	263	171	217 0	247	183	217 0	248	180	0 0	0	0	0
1200	47 0	40 0	61 0	58 0	0 0	0 0	208 0	259	112	204 0	262	102	202 0	267	114	200 0	249	127	0 0	0	0	0
1300	47 0	44 0	55 0	58 0	0 0	0 0	306 0	353	253	304 0	349	245	312 0	338	292	307 0	356	286	0 0	0	0	0
1400	28 0	28 0	37 0	38 0	0 0	0 0	305 3	358	212	304 3	353	218	347 0	125	294	344 0	104	293	0 0	0	0	0
1500	25 0	25 0	20 0	25 0	0 0	0 0	33 3	72	339	34 3	76	329	41 3	83	4	40 3	97	2	0 0	0	0	0
1600	37 0	35 0	40 0	41 0	0 0	0 0	358 0	39	305	356 0	39	285	10 0	39	328	5 0	32	312	0 0	0	0	0
1700	25 0	22 0	35 0	36 0	0 0	0 0	23 3	41	5	21 3	59	352	11 0	29	339	7 0	19	328	0 0	0	0	0
1800	25 0	22 0	32 0	33 0	0 0	0 0	23 3	72	352	24 3	81	349	7 0	21	348	4 0	19	342	0 0	0	0	0
1900	63 0	60 0	76 0	75 0	0 0	0 0	344 0	15	314	339 0	13	304	348 0	7	333	343 0	2	324	0 0	0	0	0
2000	76 0	75 0	93 0	95 0	0 0	0 0	317 0	349	290	314 0	351	281	326 0	337	315	320 0	334	305	0 0	0	0	0
2100	139 0	128 0	173 0	179 0	0 0	0 0	298 0	311	285	294 0	328	262	303 0	310	297	296 0	301	289	0 0	0	0	0
2200	169 0	161 0	211 0	216 0	0 0	0 0	298 0	311	286	296 0	327	260	305 0	311	299	298 0	305	292	0 0	0	0	0
2300	189 0	183 0	226 0	235 0	0 0	0 0	297 0	310	285	295 0	317	265	303 0	317	281	296 0	311	285	0 0	0	0	0
2400	216 0	204 0	261 0	271 0	0 0	0 0	294 0	311	275	290 0	330	217	297 0	310	273	291 0	302	288	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	417 0	410 0	417 0	412 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
200	410 0	403 0	403 0	397 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
300	397 0	392 0	392 0	387 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
400	381 0	374 0	376 0	370 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
500	370 0	363 0	361 0	356 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
600	360 0	352 0	351 0	345 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
700	352 0	345 0	342 0	336 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
800	342 0	334 0	333 0	327 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
900	338 0	331 0	331 0	325 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
1000	354 0	342 0	338 0	329 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
1100	363 0	352 0	349 0	340 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
1200	385 0	379 0	372 0	367 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
1300	405 0	397 0	369 0	365 0	320 0	320 0	-34 0	-31 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
1400	412 0	403 0	378 0	372 0	320 0	320 0	-31 0	-29 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
1500	397 0	390 0	385 0	379 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
1600	403 0	396 0	387 0	381 0	320 0	320 0	-14 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
1700	378 0	369 0	378 0	372 0	320 0	320 0	2 0	4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
1800	369 0	361 0	379 0	372 0	320 0	320 0	13 0	14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
1900	374 0	369 0	369 0	363 0	320 0	320 0	-4 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
2000	379 0	372 0	369 0	365 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
2100	383 0	378 0	372 0	367 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
2200	372 0	365 0	360 0	352 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
2300	354 0	347 0	342 0	336 0	320 0	320 0	-9 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
2400	352 0	345 0	340 0	334 0	320 0	320 0	-11 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0

2-202

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	
100	200	0	192	0	226	0	241	0	0	0	0	0	288	0	313	251	284	0	325	246	292	0	313	242	285	0	311	243	0	0	0	0
200	200	0	197	0	246	0	248	0	0	0	0	0	302	0	313	284	298	0	326	262	308	0	325	297	301	0	312	291	0	0	0	0
300	197	0	194	0	263	0	263	0	0	0	0	0	312	0	329	295	307	0	349	262	321	0	339	307	314	0	331	298	0	0	0	0
400	182	0	176	0	223	0	226	0	0	0	0	0	307	0	329	288	303	0	348	263	313	0	322	300	306	0	317	293	0	0	0	0
500	167	0	156	0	208	0	210	0	0	0	0	0	311	0	332	291	308	0	347	263	320	0	338	306	314	0	334	300	0	0	0	0
600	179	0	173	0	208	0	213	0	0	0	0	0	302	0	314	285	298	0	327	264	308	0	325	293	300	0	314	287	0	0	0	0
700	159	0	154	0	195	0	197	0	0	0	0	0	317	0	344	278	310	0	351	265	322	0	339	307	315	0	332	285	0	0	0	0
800	131	0	129	0	163	0	163	0	0	0	0	0	328	0	8	290	324	0	16	284	332	0	350	310	325	0	336	298	0	0	0	0
900	108	0	102	0	135	0	136	0	0	0	0	0	339	0	21	289	334	0	34	280	340	0	4	308	335	0	5	311	0	0	0	0
1000	95	0	88	0	120	0	116	0	0	0	0	0	348	0	58	321	345	0	38	285	349	0	32	318	344	0	24	306	0	0	0	0
1100	58	0	53	0	88	0	88	0	0	0	0	0	358	0	71	281	2	0	61	286	0	0	63	296	354	0	50	283	0	0	0	0
1200	60	0	54	0	76	0	74	0	0	0	0	0	348	0	61	275	346	0	84	281	354	0	63	307	348	0	67	285	0	0	0	0
1300	74	0	68	0	82	0	84	0	0	0	0	0	22	0	57	343	16	0	58	330	10	0	37	338	6	0	50	341	0	0	0	0
1400	60	0	61	0	64	0	64	0	0	0	0	0	8	0	63	320	9	0	103	307	9	0	76	315	8	0	79	319	0	0	0	0
1500	57	0	67	0	68	0	67	0	0	0	0	0	27	0	86	292	26	0	73	323	14	0	58	324	10	0	93	331	0	0	0	0
1600	31	0	29	0	36	0	38	0	0	0	0	0	38	0	101	296	33	3	125	277	37	0	100	353	34	0	111	337	0	0	0	0
1700	24	0	25	0	27	0	33	0	0	0	0	0	63	3	124	28	65	3	149	16	63	3	107	27	63	0	115	28	0	0	0	0
1800	42	0	38	0	56	0	55	0	0	0	0	0	81	0	101	70	82	0	106	59	81	0	87	77	82	0	88	78	0	0	0	0
1900	43	0	40	0	55	0	56	0	0	0	0	0	96	0	107	81	101	0	126	82	93	0	103	85	95	0	105	89	0	0	0	0
2000	52	0	48	0	65	0	67	0	0	0	0	0	108	0	118	96	110	0	126	102	109	0	113	105	112	0	116	109	0	0	0	0
2100	59	0	56	0	90	0	95	0	0	0	0	0	125	0	136	113	130	0	149	105	130	0	139	123	134	0	139	127	0	0	0	0
2200	58	0	55	0	99	0	103	0	0	0	0	0	120	0	140	104	126	0	148	105	132	0	144	127	136	0	148	129	0	0	0	0
2300	54	0	51	0	85	0	90	0	0	0	0	0	105	0	123	88	110	0	129	84	121	0	130	110	125	0	133	115	0	0	0	0
2400	76	0	78	0	117	0	121	0	0	0	0	0	131	0	148	112	138	0	170	106	136	0	152	118	138	0	154	121	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	342	0	334	0	331	0	325	0	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
200	327	0	322	0	314	0	308	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
300	325	0	322	0	312	0	306	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
400	314	0	306	0	301	0	296	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
500	305	0	297	0	290	0	287	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
600	297	0	290	0	283	0	279	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
700	283	0	276	0	270	0	265	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
800	270	0	263	0	258	0	252	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
900	267	0	258	0	254	0	247	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
1000	267	0	258	0	252	0	245	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
1100	270	0	263	0	252	0	247	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
1200	276	0	270	0	258	0	252	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
1300	279	0	270	0	261	0	252	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
1400	285	0	278	0	267	0	260	0	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
1500	279	0	269	0	265	0	256	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
1600	287	0	281	0	274	0	267	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
1700	267	0	256	0	260	0	254	0	320	0	320	0	-5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
1800	263	0	252	0	260	0	254	0	320	0	320	0	-2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
1900	263	0	254	0	260	0	254	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
2000	260	0	251	0	249	0	243	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
2100	261	0	252	0	260	0	254	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
2200	256	0	247	0	265	0	258	0	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
2300	258	0	251	0	265	0	260	0	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0
2400	283	0	278	0	278	0	274	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	66	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6
100	101 0	103 0	152 0	157 0	0 0	0 0	128 0	143	113	134 0	153	118	138 0	156	126	141 0	154	126	0 0	0	0	0
200	101 0	101 0	166 0	170 0	0 0	0 0	142 0	162	125	146 0	173	123	152 0	168	134	154 0	172	135	0 0	0	0	0
300	31 0	29 0	56 0	55 0	0 0	0 0	157 0	194	123	158 3	213	123	166 0	188	148	167 0	181	147	0 0	0	0	0
400	21 0	18 0	35 0	37 0	0 0	0 0	127 0	159	105	132 5	172	103	162 0	170	152	163 0	170	150	0 0	0	0	0
500	45 0	45 0	67 0	69 0	0 0	0 0	129 0	144	105	136 0	150	122	140 0	152	129	142 0	150	130	0 0	0	0	0
600	45 0	43 0	66 0	68 0	0 0	0 0	133 0	182	113	140 0	214	123	142 0	154	130	144 0	154	130	0 0	0	0	0
700	76 0	70 0	107 0	115 0	0 0	0 0	234 0	269	197	234 0	282	191	233 0	254	208	230 0	252	210	0 0	0	0	0
800	190 0	187 0	205 0	220 0	0 0	0 0	272 0	306	240	271 0	325	218	279 0	313	237	272 0	300	233	0 0	0	0	0
900	205 0	197 0	221 0	229 0	0 0	0 0	287 0	311	251	284 0	327	241	292 0	330	259	285 0	328	243	0 0	0	0	0
1000	237 0	225 0	274 0	285 0	0 0	0 0	293 0	314	255	293 0	329	240	295 0	313	260	289 0	310	250	0 0	0	0	0
1100	203 0	196 0	264 0	274 0	0 0	0 0	294 0	319	263	292 0	333	259	298 0	327	275	292 0	312	263	0 0	0	0	0
1200	195 0	193 0	241 0	249 0	0 0	0 0	296 0	317	273	294 0	340	274	303 0	332	293	295 0	325	286	0 0	0	0	0
1300	153 0	154 0	180 0	189 0	0 0	0 0	277 0	311	232	274 0	307	217	283 0	310	248	278 0	317	237	0 0	0	0	0
1400	144 0	148 0	162 0	172 0	0 0	0 0	277 0	314	240	274 0	307	236	282 0	329	246	278 0	325	237	0 0	0	0	0
1500	152 0	156 0	173 0	183 0	0 0	0 0	267 0	317	244	266 0	326	238	273 0	324	242	268 0	313	246	0 0	0	0	0
1600	151 0	161 0	179 0	189 0	0 0	0 0	266 0	281	227	265 0	286	218	264 0	278	234	260 0	281	228	0 0	0	0	0
1700	135 0	152 0	192 0	201 0	0 0	0 0	257 0	276	225	258 0	287	219	258 0	274	242	254 0	268	230	0 0	0	0	0
1800	133 0	144 0	198 0	209 0	0 0	0 0	252 0	283	222	252 0	287	215	253 0	274	230	249 0	266	227	0 0	0	0	0
1900	148 0	159 0	203 0	212 0	0 0	0 0	246 0	272	224	249 0	284	215	244 0	266	213	240 0	256	202	0 0	0	0	0
2000	91 0	105 0	143 0	149 0	0 0	0 0	239 0	302	202	242 0	326	193	233 0	266	204	228 0	255	192	0 0	0	0	0
2100	125 0	133 0	180 0	188 0	0 0	0 0	239 0	280	202	240 0	266	172	239 0	262	216	235 0	260	201	0 0	0	0	0
2200	133 0	133 0	183 0	189 0	0 0	0 0	238 0	266	194	238 0	266	195	235 0	270	197	232 0	262	203	0 0	0	0	0
2300	181 0	181 0	237 0	251 0	0 0	0 0	244 0	273	203	246 0	286	211	243 0	266	217	239 0	264	211	0 0	0	0	0
2400	221 0	221 0	281 0	295 0	0 0	0 0	249 0	273	221	249 0	282	212	249 0	265	236	245 0	263	230	0 0	0	0	0

	AMB. TEM1 30-A-S	AMB. TEM2 30-B-S	AMB. TEM3 180A-S	AMB. TEM4 180B-S	AMB. TEM5 S	AMD. TEMP6 S	D.T. 1 S	D.T. 2 180A S	D.T. 3 180B S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	299 0	292 0	292 0	287 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
200	312 0	305 0	305 0	299 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
300	315 0	306 0	306 0	301 0	320 0	320 0	-7 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
400	301 0	294 0	294 0	290 0	320 0	320 0	-5 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	66 0
500	296 0	288 0	290 0	287 0	320 0	320 0	-5 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	67 0
600	301 0	294 0	292 0	288 0	320 0	320 0	-7 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	67 0
700	315 0	308 0	308 0	305 0	320 0	320 0	-5 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	68 0
800	338 0	333 0	331 0	324 0	320 0	320 0	-7 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	70 0
900	327 0	322 0	317 0	312 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	74 0
1000	322 0	310 0	305 0	299 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	77 0
1100	308 0	301 0	296 0	288 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	80 0
1200	305 0	297 0	292 0	281 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	81 0
1300	299 0	292 0	288 0	279 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	82 0
1400	299 0	292 0	287 0	279 0	320 0	320 0	-13 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	83 0
1500	347 0	287 0	340 0	278 0	320 0	320 0	-4 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1600	290 0	283 0	279 0	274 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1700	329 0	285 0	325 0	278 0	320 0	320 0	-7 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1800	290 0	283 0	281 0	276 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
1900	288 0	281 0	278 0	272 0	320 0	320 0	-11 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
2000	276 0	270 0	265 0	260 0	320 0	320 0	-11 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
2100	274 0	267 0	265 0	260 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
2200	278 0	270 0	267 0	261 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
2300	285 0	278 0	274 0	269 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0
2400	285 0	278 0	274 0	269 0	320 0	320 0	-11 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	84 0

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REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLE

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	MIN	MAX	WIND DIR3 150A	MIN	MAX	WIND DIR4 150B	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	209	0	209	0	271	0	284	0	0	0	0	0	252	0	274	229	251	0	285	211	251	0	275	236	247	0	266	230	0	0	0
200	180	0	180	0	255	0	266	0	0	0	0	0	255	0	275	232	255	0	287	216	254	0	281	239	250	0	268	230	0	0	0
300	208	0	208	0	274	0	287	0	0	0	0	0	260	0	279	235	258	0	285	225	260	0	277	235	255	0	273	233	0	0	0
400	251	0	251	0	262	0	274	0	0	0	0	0	267	0	289	252	263	0	327	236	270	0	297	253	265	0	293	249	0	0	0
500	175	0	175	0	188	0	190	0	0	0	0	0	271	0	311	244	265	0	305	237	281	0	319	247	275	0	310	235	0	0	0
600	156	0	156	0	176	0	181	0	0	0	0	0	286	0	314	247	283	0	349	235	289	0	327	242	283	0	314	239	0	0	0
700	152	0	152	0	183	0	190	0	0	0	0	0	297	0	325	282	292	0	327	258	300	0	314	287	293	0	305	284	0	0	0
800	140	0	140	0	171	0	173	0	0	0	0	0	309	0	339	275	306	0	329	280	317	0	333	296	308	0	333	282	0	0	0
900	102	0	102	0	128	0	131	0	0	0	0	0	316	0	352	283	316	0	37	281	324	0	355	302	317	0	358	294	0	0	0
1000	132	2	99	0	109	0	111	0	0	0	0	0	309	0	328	283	305	0	328	283	315	0	332	298	307	0	335	289	0	0	0
1100	63	0	69	0	76	0	82	0	0	0	0	0	304	0	336	281	301	0	343	259	312	0	331	271	305	0	325	275	0	0	0
1200	62	0	67	0	73	0	79	0	0	0	0	0	300	0	325	277	296	0	350	259	303	0	328	281	297	0	323	277	0	0	0
1300	56	0	62	0	67	0	74	0	0	0	0	0	298	0	331	253	295	0	351	259	300	0	327	251	294	0	323	241	0	0	0
1400	52	0	63	0	60	0	67	0	0	0	0	0	263	0	322	217	264	0	321	232	272	0	317	237	267	0	307	226	0	0	0
1500	48	0	47	0	56	0	61	0	0	0	0	0	306	0	356	260	303	0	352	240	316	0	6	288	309	0	342	277	0	0	0
1600	24	0	23	0	21	0	26	0	0	0	0	0	319	0	23	279	316	0	353	261	329	0	351	292	323	0	351	288	0	0	0
1700	19	0	28	0	14	0	20	0	0	0	0	0	85	3	106	59	90	3	129	58	70	3	98	58	71	3	114	49	0	0	0
1800	48	0	46	0	62	0	66	0	0	0	0	0	106	0	115	88	111	0	126	84	98	0	104	93	99	0	105	94	0	0	0
1900	70	0	71	0	88	0	94	0	0	0	0	0	110	0	118	102	119	0	129	285	109	0	126	106	111	0	142	107	0	0	0
2000	73	0	71	0	111	0	118	0	0	0	0	0	120	0	132	107	128	0	148	289	120	0	135	115	122	0	159	116	0	0	0
2100	95	0	93	0	142	0	149	0	0	0	0	0	124	0	132	117	128	0	148	122	125	0	128	122	127	0	129	123	0	0	0
2200	96	0	92	0	137	0	141	0	0	0	0	0	110	0	125	99	114	0	130	82	118	0	124	112	119	0	125	111	0	0	0
2300	94	0	91	0	115	0	123	0	0	0	0	0	119	0	135	101	124	0	149	101	124	0	142	108	126	0	146	111	0	0	0
2400	122	0	118	0	148	0	154	0	0	0	0	0	117	0	130	106	123	0	147	102	118	0	130	104	119	0	132	105	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	285	0	279	0	276	0	270	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
200	292	0	285	0	281	0	276	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
300	296	0	288	0	285	0	279	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
400	297	0	290	0	287	0	281	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
500	299	0	294	0	290	0	285	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
600	296	0	288	0	287	0	281	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
700	294	0	287	0	285	0	281	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
800	297	0	290	0	288	0	283	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
900	292	0	285	0	283	0	276	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
1000	292	0	287	0	281	0	276	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	84	0
1100	305	0	299	0	288	0	278	0	320	0	320	0	-22	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	85	0
1200	312	0	305	0	287	0	279	0	320	0	320	0	-25	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	89	0
1300	322	0	312	0	290	0	285	0	320	0	320	0	-29	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	93	0
1400	312	0	305	0	287	0	281	0	320	0	320	0	-23	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	306	0	299	0	285	0	281	0	320	0	320	0	-20	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	294	0	287	0	281	0	276	0	320	0	320	0	-13	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	269	0	258	0	267	0	260	0	320	0	320	0	0	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	1	0
1800	267	0	258	0	272	0	267	0	320	0	320	0	5	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	6
1900	261	0	252	0	263	0	258	0	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	256	0	247	0	265	0	261	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	247	0	240	0	263	0	258	0	320	0	320	0	16	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	247	0	240	0	254	0	249	0	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	272	0	265	0	265	0	260	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	281	0	274	0	272	0	269	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 S	WIND DIR1 50 A S	MIN	MAX	WIND DIR2 50 B S	MIN	MAX	WIND DIR3 150A S	MIN	MAX	WIND DIR4 150B S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	121 0	120 0	150 0	157 0	0 0	0 0	126 0	145	108	131 0	152	103	131 0	142	117	133 0	147	118	0 0	0	0	0
200	149 0	145 0	180 0	196 0	0 0	0 0	121 0	134	109	125 0	149	102	123 0	141	113	126 0	141	107	0 0	0	0	0
300	184 0	178 0	188 0	198 0	0 0	0 0	121 0	135	109	128 0	147	104	127 0	141	108	133 0	145	116	0 0	0	0	0
400	124 0	121 0	151 0	156 0	0 0	0 0	120 0	143	105	124 0	151	100	122 0	136	95	124 0	142	106	0 0	0	0	0
500	144 0	150 0	205 0	207 0	0 0	0 0	131 0	169	105	138 0	166	111	137 0	162	122	139 0	156	126	0 0	0	0	0
600	158 0	159 0	201 0	213 0	0 0	0 0	122 0	144	106	128 0	169	104	130 0	145	111	133 0	148	113	0 0	0	0	0
700	162 0	170 0	235 0	249 0	0 0	0 0	130 0	149	109	140 0	262	105	136 0	151	113	139 0	158	120	0 0	0	0	0
800	155 0	154 0	175 0	186 0	0 0	0 0	120 0	134	105	126 0	152	102	126 0	147	104	129 0	144	110	0 0	0	0	0
900	184 2	178 2	188 2	198 2	0 0	0 0	121 2	135	109	128 2	147	104	127 2	141	108	133 2	145	116	0 0	0	0	0
1000	165 0	170 0	250 0	250 0	0 0	0 0	131 0	148	116	137 0	170	124	140 0	158	123	144 0	158	129	0 0	0	0	0
1100	178 0	180 0	251 0	253 0	0 0	0 0	127 0	139	113	135 0	150	123	136 0	151	121	139 0	151	128	0 0	0	0	0
1200	192 0	198 0	269 0	278 0	0 0	0 0	127 0	142	115	136 0	152	107	136 0	150	121	139 0	153	126	0 0	0	0	0
1300	157 0	158 0	251 0	258 0	0 0	0 0	138 0	159	115	143 0	191	103	147 0	161	132	150 0	156	135	0 0	0	0	0
1400	157 0	149 0	246 0	250 0	0 0	0 0	146 0	180	126	157 0	254	105	159 0	180	138	160 0	182	131	0 0	0	0	0
1500	128 0	130 0	238 0	226 0	0 0	0 0	158 0	192	126	164 0	222	104	166 0	202	143	169 0	188	128	0 0	0	0	0
1600	190 0	188 0	281 0	285 0	0 0	0 0	232 0	266	103	234 0	263	105	232 0	264	170	228 0	264	151	0 0	0	0	0
1700	199 0	188 0	276 0	277 0	0 0	0 0	230 0	255	202	232 0	262	193	226 0	268	200	225 0	247	196	0 0	0	0	0
1800	184 0	178 0	281 0	296 0	0 0	0 0	237 0	260	211	237 0	263	196	240 0	255	214	236 0	253	222	0 0	0	0	0
1900	230 0	235 0	328 0	348 0	0 0	0 0	262 0	276	241	263 0	286	239	264 0	270	257	260 0	265	254	0 0	0	0	0
2000	330 0	341 0	437 0	458 0	0 0	0 0	264 0	278	247	263 0	293	237	264 0	272	244	260 0	273	229	0 0	0	0	0
2100	379 0	376 0	426 0	433 0	0 0	0 0	267 0	293	251	268 0	304	236	275 0	294	259	269 0	289	240	0 0	0	0	0
2200	357 0	352 0	389 0	409 0	0 0	0 0	268 0	282	252	264 0	285	240	272 0	286	237	268 0	285	245	0 0	0	0	0
2300	300 0	301 0	337 0	354 0	0 0	0 0	270 0	298	244	267 0	304	237	276 0	315	251	270 0	292	235	0 0	0	0	0
2400	206 0	202 0	251 0	267 0	0 0	0 0	277 0	307	240	274 0	308	235	287 0	340	253	281 0	325	243	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	283 0	276 0	274 0	269 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
200	288 0	281 0	279 0	274 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
300	327 0	320 0	317 0	312 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
400	301 0	294 0	292 0	287 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	0 6
500	310 0	303 0	299 0	296 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
600	317 0	308 0	306 0	301 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
700	327 0	322 0	317 0	310 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
800	324 0	315 0	314 0	310 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	1 0
900	329 2	322 2	317 2	312 2	320 0	320 0	-11 2	-7 2	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0
1000	338 0	331 0	331 0	324 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	4 0
1100	345 0	338 0	338 0	331 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	7 0
1200	354 0	347 0	347 0	342 0	320 0	320 0	-7 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	19 0
1300	374 0	367 0	372 0	367 0	320 0	320 0	2 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1400	412 0	405 0	410 0	403 0	320 0	320 0	6 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	24 6
1500	448 0	441 0	448 0	442 0	320 0	320 0	0 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	30 0
1600	482 0	477 0	482 0	477 0	320 0	320 0	0 0	2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	42 0
1700	493 0	487 0	498 0	493 0	320 0	320 0	5 0	7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1800	477 0	473 0	489 0	484 0	320 0	320 0	13 0	14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1900	451 0	444 0	460 0	455 0	320 0	320 0	9 0	11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
2000	435 0	430 0	432 0	426 0	320 0	320 0	-4 0	-2 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
2100	394 0	387 0	385 0	379 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
2200	383 0	378 0	374 0	369 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
2300	379 0	374 0	370 0	365 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
2400	367 0	360 0	356 0	351 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	240	0	232	0	285	0	293	0	0	0	0	0	273	0	305	241	272	0	325	194	282	0	324	239	278	0	317	229	0	0	0	0	0	0
200	220	0	224	0	248	0	261	0	0	0	0	0	270	0	296	247	267	0	306	233	278	0	334	249	271	0	298	245	0	0	0	0	0	0
300	201	0	201	0	231	0	247	0	0	0	0	0	274	0	311	249	273	0	327	214	281	0	313	241	278	0	314	242	0	0	0	0	0	0
400	219	0	219	0	252	0	261	0	0	0	0	0	268	0	296	241	267	0	307	233	281	0	317	237	273	0	304	225	0	0	0	0	0	0
500	279	0	277	0	309	0	320	0	0	0	0	0	268	0	312	250	265	0	307	236	273	0	296	250	268	0	307	228	0	0	0	0	0	0
600	215	0	214	0	243	0	254	0	0	0	0	0	274	0	309	243	270	0	308	217	281	0	313	245	276	0	305	245	0	0	0	0	0	0
700	240	0	239	0	276	0	290	0	0	0	0	0	275	0	306	241	272	0	308	235	282	0	318	224	277	0	303	221	0	0	0	0	0	0
800	233	0	224	0	265	0	270	0	0	0	0	0	277	0	314	245	278	0	344	236	285	0	321	240	278	0	312	234	0	0	0	0	0	0
900	256	0	241	0	308	0	321	0	0	0	0	0	292	0	312	269	287	0	328	259	294	0	312	270	288	0	311	245	0	0	0	0	0	0
1000	284	0	269	0	337	0	348	0	0	0	0	0	294	0	307	265	290	0	328	240	298	0	312	271	291	0	306	274	0	0	0	0	0	0
1100	247	0	245	0	289	0	305	0	0	0	0	0	292	0	322	252	288	0	330	237	296	0	314	257	289	0	306	239	0	0	0	0	0	0
1200	235	0	224	0	286	0	294	0	0	0	0	0	296	0	320	279	295	0	354	268	302	0	315	275	295	0	312	273	0	0	0	0	0	0
1300	199	0	193	0	233	0	241	0	0	0	0	0	291	0	309	258	289	0	326	257	296	0	328	263	289	0	316	241	0	0	0	0	0	0
1400	170	0	172	0	190	0	200	0	0	0	0	0	281	0	312	240	279	0	330	241	289	0	348	247	283	0	310	254	0	0	0	0	0	0
1500	181	0	185	0	202	0	214	0	0	0	0	0	267	0	292	240	266	0	306	237	272	0	298	255	267	0	286	239	0	0	0	0	0	0
1600	171	0	173	0	202	0	214	0	0	0	0	0	263	0	284	230	263	0	287	219	266	0	279	248	262	0	287	235	0	0	0	0	0	0
1700	170	0	177	0	218	0	231	0	0	0	0	0	260	0	291	232	260	0	304	218	260	0	279	239	256	0	276	234	0	0	0	0	0	0
1800	167	0	176	0	225	0	236	0	0	0	0	0	262	0	284	233	262	0	289	234	263	0	275	241	257	0	284	228	0	0	0	0	0	0
1900	189	0	195	0	245	0	258	0	0	0	0	0	259	0	288	237	260	0	308	233	260	0	274	240	257	0	275	234	0	0	0	0	0	0
2000	199	0	206	0	253	0	268	0	0	0	0	0	262	0	277	231	262	0	297	215	263	0	284	237	259	0	296	241	0	0	0	0	0	0
2100	170	0	169	0	241	0	254	0	0	0	0	0	254	0	288	221	256	0	294	214	256	0	275	241	252	0	274	217	0	0	0	0	0	0
2200	243	0	253	0	278	0	292	0	0	0	0	0	265	0	280	237	263	0	285	217	266	0	277	232	263	0	273	234	0	0	0	0	0	0
2300	213	0	217	0	231	0	241	0	0	0	0	0	267	0	283	240	266	0	286	240	269	0	323	237	268	0	306	246	0	0	0	0	0	0
2400	147	0	150	0	166	0	174	0	0	0	0	0	267	0	304	238	263	0	305	235	274	0	301	256	269	0	290	236	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	356	0	349	0	345	0	342	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
200	351	0	343	0	340	0	334	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
300	343	0	338	0	334	0	329	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
400	343	0	336	0	333	0	329	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
500	349	0	342	0	338	0	333	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
600	343	0	336	0	333	0	329	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
700	336	0	329	0	325	0	320	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
800	301	0	294	0	290	0	285	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
900	272	0	267	0	260	0	254	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1000	260	0	252	0	243	0	240	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1100	254	0	243	0	236	0	229	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1200	247	0	240	0	227	0	222	0	320	0	320	0	-20	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1300	251	0	243	0	231	0	225	0	320	0	320	0	-22	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1400	249	0	242	0	233	0	227	0	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1500	254	0	247	0	240	0	234	0	320	0	320	0	-14	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1600	263	0	254	0	249	0	243	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1700	270	0	263	0	260	0	252	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1800	276	0	267	0	265	0	258	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1900	279	0	272	0	270	0	265	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2000	281	0	274	0	270	0	265	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2100	285	0	278	0	276	0	272	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2200	292	0	285	0	283	0	278	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2300	299	0	294	0	290	0	285	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2400	303	0	297	0	296	0	290	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR DECEMBER --

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	68	0	54	0	120	0	125	0	0	0	0	0	203	0	228	176	205	0	241	172	223	0	232	210	222	0	230	211	0	0	0	0	0	0
200	72	0	60	0	149	0	130	0	0	0	0	0	198	0	254	139	199	0	262	146	202	0	213	191	200	0	211	189	0	0	0	0	0	0
300	63	0	55	0	138	0	116	0	0	0	0	0	193	0	233	122	192	0	260	103	197	0	210	184	197	0	216	184	0	0	0	0	0	0
400	68	0	56	0	140	0	124	0	0	0	0	0	199	0	226	145	202	0	241	144	202	0	213	190	202	0	217	185	0	0	0	0	0	0
500	76	0	66	0	163	0	140	0	0	0	0	0	196	0	243	153	198	0	266	150	198	0	207	164	197	0	212	177	0	0	0	0	0	0
600	80	0	66	0	161	0	140	0	0	0	0	0	201	0	228	158	205	0	262	146	205	0	221	184	204	0	222	186	0	0	0	0	0	0
700	110	0	92	0	178	0	164	0	0	0	0	0	210	0	233	176	211	0	244	172	212	0	234	184	210	0	234	182	0	0	0	0	0	0
800	138	0	124	0	195	0	187	0	0	0	0	0	224	0	279	193	224	0	282	192	219	0	248	195	217	0	245	188	0	0	0	0	0	0
900	104	0	88	0	171	0	152	0	0	0	0	0	207	0	264	158	209	0	259	124	205	0	227	168	203	0	233	160	0	0	0	0	0	0
1000	129	0	113	0	192	0	173	0	0	0	0	0	214	0	252	178	220	0	262	151	212	0	248	165	208	0	240	169	0	0	0	0	0	0
1100	136	0	121	0	191	0	179	0	0	0	0	0	225	0	275	183	227	0	283	192	220	0	263	195	217	0	269	188	0	0	0	0	0	0
1200	122	0	107	0	180	0	161	0	0	0	0	0	213	0	254	168	214	0	264	128	209	0	240	183	208	0	242	176	0	0	0	0	0	0
1300	141	0	125	0	191	0	182	0	0	0	0	0	227	0	273	198	228	0	284	192	219	0	256	167	218	0	256	182	0	0	0	0	0	0
1400	141	0	128	0	190	0	182	0	0	0	0	0	224	0	263	172	231	0	306	193	216	0	254	178	216	0	246	182	0	0	0	0	0	0
1500	117	0	108	0	173	0	177	0	0	0	0	0	233	0	275	204	235	0	286	195	230	0	266	195	226	0	257	199	0	0	0	0	0	0
1600	115	0	102	0	173	0	170	0	0	0	0	0	225	0	266	152	229	0	286	192	225	0	250	196	223	0	246	197	0	0	0	0	0	0
1700	124	0	109	0	160	0	152	0	0	0	0	0	219	0	254	170	223	0	260	151	217	0	241	191	215	0	236	186	0	0	0	0	0	0
1800	115	0	105	0	170	0	166	0	0	0	0	0	224	0	266	164	225	0	263	151	221	0	250	191	219	0	252	197	0	0	0	0	0	0
1900	118	0	117	0	166	0	175	0	0	0	0	0	238	0	269	214	241	0	304	214	235	0	256	200	233	0	253	202	0	0	0	0	0	0
2000	109	0	109	0	164	0	175	0	0	0	0	0	241	0	276	217	242	0	283	214	239	0	261	210	235	0	257	211	0	0	0	0	0	0
2100	120	0	117	0	181	0	191	0	0	0	0	0	237	0	261	205	240	0	282	193	236	0	258	210	233	0	254	211	0	0	0	0	0	0
2200	112	0	114	0	140	0	148	0	0	0	0	0	272	0	309	211	270	0	309	176	270	0	307	230	265	0	312	219	0	0	0	0	0	0
2300	95	0	97	0	146	0	155	0	0	0	0	0	244	0	280	222	246	0	284	214	249	0	256	235	245	0	250	236	0	0	0	0	0	0
2400	80	0	83	0	129	0	138	0	0	0	0	0	239	0	267	215	243	0	284	195	249	0	266	239	245	0	262	225	0	0	0	0	0	0

	AMB. TEM1 30-A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	238	0	231	0	263	0	258	0	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
200	225	0	218	0	236	0	231	0	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
300	231	0	224	0	236	0	231	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
400	234	0	227	0	243	0	236	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
500	247	0	240	0	252	0	247	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
600	261	0	254	0	269	0	263	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
700	288	0	281	0	292	0	287	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
800	324	0	315	0	317	0	312	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
900	340	0	333	0	334	0	331	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1000	361	0	356	0	352	0	349	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1100	387	0	379	0	376	0	370	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1200	397	0	392	0	388	0	383	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1300	433	0	428	0	419	0	414	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1400	432	0	424	0	419	0	412	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1500	428	0	423	0	415	0	410	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1600	430	0	424	0	419	0	414	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1700	426	0	421	0	421	0	415	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1800	415	0	410	0	410	0	403	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1900	403	0	397	0	397	0	392	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2000	399	0	392	0	394	0	388	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2100	401	0	394	0	397	0	390	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2200	397	0	390	0	392	0	387	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2300	392	0	385	0	390	0	385	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2400	381	0	376	0	381	0	375	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

2-208

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	84	0	81	0	96	0	94	0	0	0	0	0	27	0	56	355	26	0	61	351	23	0	43	350	20	0	43	346	0	0	0	0
200	100	0	101	0	129	0	126	0	0	0	0	0	34	0	57	10	31	0	81	13	30	0	51	11	25	0	46	6	0	0	0	0
300	100	0	100	0	122	0	122	0	0	0	0	0	34	0	58	13	32	0	59	353	30	0	49	11	27	0	59	6	0	0	0	0
400	94	0	93	0	113	0	113	0	0	0	0	0	31	0	65	16	28	0	62	350	29	0	51	0	26	0	59	4	0	0	0	0
500	101	0	100	0	114	0	113	0	0	0	0	0	32	0	51	15	31	0	59	12	33	0	51	9	29	0	54	11	0	0	0	0
600	78	0	83	0	87	0	95	0	0	0	0	0	46	0	82	11	46	0	85	12	43	0	76	16	41	0	67	11	0	0	0	0
700	40	0	42	0	50	0	52	0	0	0	0	0	43	0	77	21	42	0	84	15	37	0	61	11	34	0	59	7	0	0	0	0
800	48	0	56	0	58	0	66	0	0	0	0	0	57	0	88	24	58	0	107	14	48	0	76	13	45	0	80	6	0	0	0	0
900	74	0	75	0	89	0	89	0	0	0	0	0	37	0	66	17	35	0	80	2	34	0	47	12	30	0	55	9	0	0	0	0
1000	60	0	66	0	69	0	80	0	0	0	0	0	51	0	80	18	52	0	85	13	51	0	81	23	49	0	78	27	0	0	0	0
1100	53	0	55	0	57	0	66	0	0	0	0	0	56	0	103	8	56	0	105	13	53	0	79	12	49	0	79	357	0	0	0	0
1200	87	0	88	0	113	0	111	0	0	0	0	0	28	0	50	0	25	0	62	331	20	0	54	348	15	0	54	343	0	0	0	0
1300	117	0	118	0	161	0	157	0	0	0	0	0	24	0	58	343	22	0	62	350	14	0	44	338	11	0	50	324	0	0	0	0
1400	156	0	159	0	187	0	183	0	0	0	0	0	34	0	60	13	34	0	62	13	27	0	53	7	23	0	59	3	0	0	0	0
1500	144	0	142	0	171	0	170	0	0	0	0	0	30	0	52	356	28	0	62	354	25	0	47	3	19	0	47	346	0	0	0	0
1600	147	0	143	0	211	0	208	0	0	0	0	0	13	0	54	321	10	0	62	306	8	0	47	323	1	0	29	323	0	0	0	0
1700	177	0	165	0	269	0	267	0	0	0	0	0	345	0	22	302	343	0	39	284	352	0	29	323	345	0	17	317	0	0	0	0
1800	176	0	170	0	242	0	239	0	0	0	0	0	343	0	20	311	341	0	19	306	348	0	22	324	341	0	22	315	0	0	0	0
1900	207	0	206	0	294	0	295	0	0	0	0	0	327	0	348	293	325	0	15	279	335	0	349	308	328	0	345	304	0	0	0	0
2000	233	0	233	0	310	0	307	0	0	0	0	0	318	0	357	286	316	0	13	277	327	0	345	287	319	0	338	290	0	0	0	0
2100	236	0	243	0	307	0	306	0	0	0	0	0	312	0	332	286	307	0	331	283	322	0	341	308	314	0	335	301	0	0	0	0
2200	220	0	223	0	283	0	287	0	0	0	0	0	310	0	330	289	308	0	348	283	319	0	336	302	311	0	337	292	0	0	0	0
2300	233	0	234	0	302	0	304	0	0	0	0	0	311	0	3	289	308	0	17	283	320	0	335	301	312	0	329	294	0	0	0	0
2400	209	0	211	0	273	0	275	0	0	0	0	0	314	0	352	290	313	0	352	282	321	0	336	302	313	0	331	294	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. .3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	352	0	345	0	343	0	338	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
200	333	0	324	0	322	0	315	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
300	327	0	320	0	317	0	312	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
400	320	0	314	0	310	0	305	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
500	308	0	301	0	297	0	292	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
600	292	0	285	0	281	0	278	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
700	290	0	283	0	281	0	276	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
800	283	0	278	0	272	0	269	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
900	274	0	269	0	263	0	258	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1000	265	0	258	0	252	0	247	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1100	260	0	252	0	249	0	243	0	320	0	320	0	-13	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1200	260	0	252	0	249	0	243	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1300	256	0	249	0	245	0	240	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1400	249	0	242	0	236	0	233	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1500	242	0	234	0	231	0	225	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1600	231	0	224	0	220	0	215	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1700	220	0	213	0	209	0	202	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1800	213	0	204	0	202	0	197	0	320	0	320	0	-11	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1900	206	0	198	0	193	0	188	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2000	180	0	173	0	166	0	161	0	320	0	320	0	-14	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2100	153	0	146	0	139	0	135	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2200	143	0	135	0	130	0	125	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2300	130	0	123	0	116	0	112	0	320	0	320	0	-14	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2400	117	0	108	0	103	0	98	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A S	MIN	MAX	WIND DIR4 150B S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6
100	227 0	227 0	285 0	291 0	0 0	0 0	304 0	326	267	301 0	331	263	313 0	327	293	305 0	326	286	0 0	0	0	0 0
200	221 0	212 0	276 0	282 0	0 0	0 0	298 0	322	278	298 0	328	264	309 0	325	294	299 0	318	287	0 0	0	0	0 0
300	192 0	190 0	249 0	253 0	0 0	0 0	305 0	324	282	300 0	329	259	313 0	329	296	305 0	327	286	0 0	0	0	0 0
400	176 0	175 0	215 0	220 0	0 0	0 0	303 0	323	283	301 0	331	264	311 0	327	292	303 0	319	289	0 0	0	0	0 0
500	168 0	163 0	208 0	214 0	0 0	0 0	299 0	324	280	297 0	331	259	307 0	325	294	299 0	313	285	0 0	0	0	0 0
600	165 0	166 0	201 0	206 0	0 0	0 0	301 0	325	277	298 0	327	263	307 0	342	293	298 0	324	281	0 0	0	0	0 0
700	152 0	151 0	178 0	190 0	0 0	0 0	287 0	309	251	285 0	330	259	302 0	350	183	284 0	307	244	0 0	0	0	0 0
800	137 0	144 0	160 0	173 0	0 0	0 0	264 0	300	233	264 0	308	238	260 0	358	185	266 0	323	245	0 0	0	0	0 0
900	85 0	80 0	115 0	107 0	0 0	0 0	222 0	281	184	224 0	264	176	215 0	243	175	213 0	250	177	0 0	0	0	0 0
1000	106 0	97 0	146 0	137 0	0 0	0 0	221 0	251	186	222 0	265	189	217 0	247	179	215 0	242	183	0 0	0	0	0 0
1100	85 0	73 0	133 0	115 0	0 0	0 0	204 0	246	150	204 0	244	129	201 0	226	168	197 0	231	165	0 0	0	0	0 0
1200	128 0	112 0	167 0	157 0	0 0	0 0	216 0	263	129	217 0	264	148	212 0	241	162	211 0	247	175	0 0	0	0	0 0
1300	109 0	98 0	144 0	136 0	0 0	0 0	225 0	272	191	229 0	282	190	221 0	250	171	220 0	249	174	0 0	0	0	0 0
1400	104 0	95 0	138 0	133 0	0 0	0 0	222 0	265	183	223 0	261	103	215 0	252	179	214 0	242	186	0 0	0	0	0 0
1500	110 0	101 0	148 0	139 0	0 0	0 0	224 0	267	173	225 0	264	170	219 0	245	185	215 0	245	174	0 0	0	0	0 0
1600	110 0	100 0	149 0	144 0	0 0	0 0	221 0	261	159	223 0	262	170	218 0	242	179	218 0	258	184	0 0	0	0	0 0
1700	95 0	84 0	138 0	127 0	0 0	0 0	220 0	269	180	223 0	264	169	214 0	237	168	213 0	235	168	0 0	0	0	0 0
1800	102 0	86 0	133 0	123 0	0 0	0 0	219 0	267	186	221 0	263	176	217 0	246	192	215 0	239	176	0 0	0	0	0 0
1900	103 0	96 0	140 0	147 0	0 0	0 0	227 0	274	195	229 0	278	195	228 0	248	194	227 0	253	202	0 0	0	0	0 0
2000	133 0	132 0	180 0	192 0	0 0	0 0	241 0	269	213	240 0	279	211	235 0	341	197	235 0	261	201	0 0	0	0	0 0
2100	117 0	113 0	157 0	167 0	0 0	0 0	238 0	266	209	239 0	266	196	234 0	254	181	235 0	266	188	0 0	0	0	0 0
2200	165 0	164 0	220 0	232 0	0 0	0 0	247 0	269	229	247 0	282	214	236 0	266	199	246 0	264	222	0 0	0	0	0 0
2300	159 0	157 0	208 0	219 0	0 0	0 0	254 0	277	227	254 0	285	216	236 0	355	187	253 0	296	240	0 0	0	0	0 0
2400	122 0	121 0	164 0	174 0	0 0	0 0	240 0	281	209	241 0	288	191	236 0	253	207	235 0	256	219	0 0	0	0	0 0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	114 0	107 0	99 0	96 0	320 0	320 0	-14 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
200	117 0	110 0	103 0	99 0	320 0	320 0	-14 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
300	116 0	108 0	103 0	98 0	320 0	320 0	-13 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
400	121 0	114 0	110 0	105 0	320 0	320 0	-11 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
500	121 0	114 0	108 0	103 0	320 0	320 0	-13 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
600	125 0	117 0	114 0	108 0	320 0	320 0	-11 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
700	128 0	119 0	116 0	110 0	320 0	320 0	-11 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
800	119 0	110 0	108 0	103 0	320 0	320 0	-11 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
900	103 0	96 0	90 0	85 0	320 0	320 0	-13 0	-9 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1000	83 0	76 0	69 0	65 0	320 0	320 0	-14 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1100	90 0	81 0	71 0	67 0	320 0	320 0	-20 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1200	108 0	101 0	90 0	87 0	320 0	320 0	-18 0	-14 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1300	134 0	125 0	114 0	110 0	320 0	320 0	-18 0	-13 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1400	161 0	152 0	137 0	132 0	320 0	320 0	-23 0	-20 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1500	173 0	164 0	157 0	152 0	320 0	320 0	-14 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1600	186 0	179 0	170 0	166 0	320 0	320 0	-14 0	-11 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1700	184 0	175 0	173 0	168 0	320 0	320 0	-9 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1800	177 0	170 0	170 0	164 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
1900	182 0	175 0	179 0	173 0	320 0	320 0	-2 0	0 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
2000	197 0	191 0	191 0	186 0	320 0	320 0	-5 0	-4 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
2100	211 0	204 0	200 0	195 0	320 0	320 0	-9 0	-7 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
2200	222 0	215 0	213 0	207 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
2300	242 0	234 0	233 0	227 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0
2400	222 0	213 0	213 0	206 0	320 0	320 0	-7 0	-5 0	0 0	0 0	320 2	0 0	0 0	0 0	0 0	0 0	0 0	46 0

STATUS CODES) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGL

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	147	0	147	0	197	0	210	0	0	0	0	0	245	0	276	207	245	0	286	193	238	0	256	197	241	0	257	219	0	0	0	0	0	0
200	73	0	68	0	113	0	115	0	0	0	0	0	221	0	259	133	221	0	263	127	226	0	265	182	222	0	248	167	0	0	0	0	0	0
300	63	0	50	0	119	0	105	0	0	0	0	0	197	0	232	147	200	0	244	128	208	0	224	189	206	0	224	185	0	0	0	0	0	0
400	58	0	52	0	122	0	107	0	0	0	0	0	185	0	238	146	189	0	236	145	203	0	214	186	202	0	215	182	0	0	0	0	0	0
500	50	0	40	0	114	0	102	0	0	0	0	0	189	0	244	135	193	0	241	128	207	0	218	194	206	0	221	174	0	0	0	0	0	0
600	60	0	49	0	111	0	104	0	0	0	0	0	190	0	213	162	194	0	236	148	216	0	227	203	215	0	225	203	0	0	0	0	0	0
700	60	0	55	0	82	0	78	0	0	0	0	0	182	0	206	138	183	0	214	128	218	0	241	196	217	0	239	193	0	0	0	0	0	0
800	60	0	57	0	97	0	81	0	0	0	0	0	156	0	192	127	160	0	198	122	184	0	192	167	183	0	192	168	0	0	0	0	0	0
900	54	0	53	0	85	0	89	0	0	0	0	0	138	0	162	117	143	0	172	121	160	0	173	145	162	0	171	147	0	0	0	0	0	0
1000	57	0	64	0	84	0	92	0	0	0	0	0	131	0	150	114	139	0	171	122	150	0	172	131	151	0	173	135	0	0	0	0	0	0
1100	75	0	82	0	115	0	120	0	0	0	0	0	131	0	148	113	139	0	170	122	140	0	158	126	141	0	154	126	0	0	0	0	0	0
1200	125	0	124	0	149	0	158	0	0	0	0	0	118	0	131	102	126	0	154	84	125	0	148	106	126	0	143	108	0	0	0	0	0	0
1300	123	0	130	0	172	0	180	0	0	0	0	0	128	0	143	114	136	0	174	105	136	0	156	121	137	0	152	121	0	0	0	0	0	0
1400	141	0	139	0	165	0	178	0	0	0	0	0	120	0	140	102	125	0	151	102	124	0	145	98	125	0	149	104	0	0	0	0	0	0
1500	147	0	154	0	189	0	200	0	0	0	0	0	121	0	133	104	127	0	148	102	127	0	143	108	129	0	146	110	0	0	0	0	0	0
1600	157	0	160	0	192	0	199	0	0	0	0	0	124	0	140	110	132	0	154	105	128	0	140	112	131	0	143	111	0	0	0	0	0	0
1700	173	0	169	0	207	0	223	0	0	0	0	0	121	0	137	106	129	0	150	106	128	0	149	105	130	0	149	106	0	0	0	0	0	0
1800	177	0	185	0	251	0	260	0	0	0	0	0	129	0	141	119	137	0	234	112	137	0	154	123	140	0	154	124	0	0	0	0	0	0
1900	174	0	183	0	240	0	255	0	0	0	0	0	127	0	143	114	135	0	169	105	132	0	150	113	135	0	150	118	0	0	0	0	0	0
2000	144	0	155	0	197	0	199	0	0	0	0	0	129	0	142	114	138	0	170	120	136	0	151	115	140	0	151	122	0	0	0	0	0	0
2100	111	0	115	0	146	0	151	0	0	0	0	0	131	0	152	112	138	0	169	106	139	0	157	124	145	0	164	125	0	0	0	0	0	0
2200	107	0	110	0	147	0	155	0	0	0	0	0	133	0	151	116	140	0	167	103	145	0	162	128	148	0	164	138	0	0	0	0	0	0
2300	89	0	94	0	135	0	140	0	0	0	0	0	137	0	170	116	143	0	175	124	151	0	165	135	154	0	168	136	0	0	0	0	0	0
2400	81	0	77	0	138	0	126	0	0	0	0	0	161	0	202	110	167	0	244	103	175	0	207	145	176	0	211	138	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	238	0	231	0	229	0	224	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
200	224	0	216	0	216	0	211	0	320	0	320	0	-7	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
300	191	0	184	0	191	0	186	0	320	0	320	0	2	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
400	175	0	168	0	197	0	191	0	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
500	170	0	162	0	184	0	179	0	320	0	320	0	14	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
600	171	0	164	0	198	0	193	0	320	0	320	0	27	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
700	179	0	171	0	209	0	204	0	320	0	320	0	31	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
800	180	0	173	0	213	0	207	0	320	0	320	0	32	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
900	193	0	186	0	200	0	195	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1000	207	0	198	0	202	0	195	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1100	220	0	211	0	211	0	208	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1200	229	0	222	0	220	0	215	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1300	231	0	224	0	222	0	216	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1400	238	0	231	0	231	0	224	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1500	243	0	236	0	234	0	229	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1600	252	0	245	0	240	0	234	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
1700	258	0	249	0	249	0	238	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1800	258	0	249	0	245	0	238	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	6
1900	270	0	263	0	258	0	251	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2000	276	0	270	0	267	0	261	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2100	288	0	281	0	278	0	270	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2200	276	0	288	0	287	0	281	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2300	294	0	287	0	287	0	281	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2400	303	0	296	0	297	0	292	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	46	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	63	0	63	0	100	0	94	0	0	0	0	0	156	0	198	122	162	0	225	125	171	0	196	146	172	0	194	140	0	0	0	0	0	0
200	53	0	50	0	91	0	79	0	0	0	0	0	169	0	220	125	172	0	238	126	179	0	207	156	180	0	204	151	0	0	0	0	0	0
300	49	0	46	0	96	0	80	0	0	0	0	0	173	0	243	120	177	0	262	124	183	0	202	159	184	0	212	156	0	0	0	0	0	0
400	44	0	41	0	97	0	79	0	0	0	0	0	186	0	226	143	189	0	237	124	193	0	207	182	193	0	207	179	0	0	0	0	0	0
500	36	0	30	0	77	0	68	0	0	0	0	0	195	0	245	125	195	3	259	126	202	0	219	173	202	0	216	185	0	0	0	0	0	0
600	38	0	38	0	86	0	71	0	0	0	0	0	179	0	211	140	181	0	223	147	197	0	213	185	197	0	214	187	0	0	0	0	0	0
700	46	0	41	0	97	0	85	0	0	0	0	0	189	0	217	153	193	0	240	127	208	0	217	197	209	0	224	188	0	0	0	0	0	0
800	51	0	42	0	101	0	88	0	0	0	0	0	197	0	238	162	196	0	240	128	210	0	223	192	211	0	222	199	0	0	0	0	0	0
900	42	0	36	0	80	0	76	0	0	0	0	0	196	0	233	140	194	0	241	128	216	0	241	192	215	0	236	190	0	0	0	0	0	0
1000	42	0	36	0	88	0	79	0	0	0	0	0	195	0	254	147	198	0	238	147	211	0	233	196	212	0	226	191	0	0	0	0	0	0
1100	39	0	31	0	84	0	74	0	0	0	0	0	196	0	244	150	199	0	241	148	204	0	221	171	205	0	224	174	0	0	0	0	0	0
1200	61	0	53	0	103	0	96	0	0	0	0	0	209	0	246	166	211	0	241	170	216	0	236	193	214	0	238	189	0	0	0	0	0	0
1300	87	0	83	0	131	0	132	0	0	0	0	0	226	0	247	201	230	0	261	196	226	0	252	192	225	0	254	190	0	0	0	0	0	0
1400	67	0	58	0	106	0	97	0	0	0	0	0	215	0	249	168	217	0	261	151	212	0	235	176	213	0	245	167	0	0	0	0	0	0
1500	51	0	48	0	106	0	89	0	0	0	0	0	188	0	258	138	187	0	261	126	196	0	213	175	197	0	208	179	0	0	0	0	0	0
1600	68	0	56	0	136	0	119	0	0	0	0	0	199	0	231	146	205	0	241	128	207	0	219	193	207	0	221	190	0	0	0	0	0	0
1700	110	0	99	0	158	0	149	0	0	0	0	0	220	0	264	174	222	0	263	173	221	0	249	192	219	0	247	185	0	0	0	0	0	0
1800	66	0	55	0	134	0	118	0	0	0	0	0	198	0	237	163	202	0	240	151	207	0	224	181	207	0	230	177	0	0	0	0	0	0
1900	70	0	60	0	144	0	125	0	0	0	0	0	188	0	235	115	190	0	260	115	198	0	213	174	197	0	214	179	0	0	0	0	0	0
2000	81	0	71	0	154	0	130	0	0	0	0	0	191	0	234	135	196	0	241	150	201	0	223	176	201	0	219	177	0	0	0	0	0	0
2100	77	0	68	0	168	0	144	0	0	0	0	0	184	0	230	146	187	0	260	128	196	0	213	174	195	0	221	179	0	0	0	0	0	0
2200	93	0	75	0	163	0	144	0	0	0	0	0	207	0	242	163	210	0	260	171	208	0	229	195	209	0	225	185	0	0	0	0	0	0
2300	99	0	83	0	177	0	151	0	0	0	0	0	202	0	238	172	205	0	260	148	203	0	225	179	202	0	219	186	0	0	0	0	0	0
2400	106	0	91	0	171	0	156	0	0	0	0	0	213	0	262	158	212	0	241	147	211	0	238	184	210	0	236	172	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	S	RAIN	S
100	310	0	303	0	303	0	297	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	46	0
200	314	0	306	0	308	0	301	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	46	0
300	317	0	310	0	312	0	305	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	46	0
400	324	0	315	0	320	0	314	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	46	0
500	333	0	325	0	329	0	325	0	320	0	320	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	48	0
600	336	0	331	0	336	0	331	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	51	0
700	342	0	334	0	343	0	340	0	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	57	0
800	343	0	338	0	349	0	343	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	63	0
900	354	0	347	0	354	0	349	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	68	0
1000	360	0	352	0	361	0	354	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	70	0
1100	365	0	358	0	361	0	356	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	70	0
1200	379	0	372	0	378	0	370	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
1300	397	0	390	0	390	0	385	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
1400	405	0	397	0	397	0	392	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
1500	397	0	388	0	396	0	388	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
1600	405	0	399	0	408	0	403	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
1700	439	0	432	0	437	0	430	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
1800	417	0	410	0	424	0	419	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
1900	426	0	419	0	430	0	424	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
2000	442	0	435	0	446	0	439	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
2100	453	0	446	0	459	0	453	0	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
2200	484	0	478	0	484	0	480	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
2300	491	0	486	0	496	0	487	0	320	0	320	0	5	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0
2400	498	0	495	0	500	0	495	0	320	0	320	0	4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	71	0

STATUS CODE DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 4 UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLE

	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A S	MIN	MAX	WIND DIR4 150B S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6
100	142	0	127	0	206	0	191	0	0	0	0	0	223	0	282	181	222	0	263	150	216	0	240	184	215	0	242	183	0	0	0	0	0	0
200	158	0	144	0	217	0	203	0	0	0	0	0	224	0	282	198	227	0	283	183	218	0	246	183	216	0	242	192	0	0	0	0	0	0
300	155	0	140	0	226	0	214	0	0	0	0	0	224	0	262	188	227	0	263	170	219	0	262	184	217	0	248	176	0	0	0	0	0	0
400	147	0	129	0	213	0	206	0	0	0	0	0	222	0	260	188	224	0	261	169	221	0	254	194	217	0	252	190	0	0	0	0	0	0
500	139	0	123	0	208	0	191	0	0	0	0	0	221	0	261	161	225	0	263	150	218	0	247	179	215	0	248	189	0	0	0	0	0	0
600	173	0	158	0	264	0	255	0	0	0	0	0	226	0	263	193	225	0	262	124	222	0	246	192	221	0	247	191	0	0	0	0	0	0
700	173	0	165	0	268	0	274	0	0	0	0	0	230	0	266	206	231	0	264	153	226	0	252	200	223	0	240	192	0	0	0	0	0	0
800	168	0	157	0	246	0	256	0	0	0	0	0	231	0	255	197	232	0	264	193	228	0	247	207	225	0	247	204	0	0	0	0	0	0
900	190	0	183	0	303	0	314	0	0	0	0	0	232	0	258	198	234	0	282	192	230	0	257	204	229	0	254	204	0	0	0	0	0	0
1000	193	0	185	0	293	0	298	0	0	0	0	0	231	0	263	203	231	0	286	190	228	0	245	203	225	0	248	203	0	0	0	0	0	0
1100	209	0	202	0	300	0	331	0	0	0	0	0	234	0	263	198	238	0	281	195	232	0	247	209	229	0	256	200	0	0	0	0	0	0
1200	212	0	205	0	329	0	338	0	0	0	0	0	232	0	251	197	234	0	263	195	232	0	247	213	229	0	243	208	0	0	0	0	0	0
1300	212	0	213	0	334	0	354	0	0	0	0	0	239	0	262	193	240	0	275	195	237	0	296	214	235	0	249	221	0	0	0	0	0	0
1400	216	0	212	0	342	0	356	0	0	0	0	0	233	0	250	205	237	0	264	196	235	0	252	209	232	0	259	207	0	0	0	0	0	0
1500	204	0	191	0	307	0	321	0	0	0	0	0	232	0	261	207	234	0	264	126	233	0	269	207	230	0	252	195	0	0	0	0	0	0
1600	158	0	157	0	251	0	266	0	0	0	0	0	234	0	264	210	236	0	267	173	233	0	253	203	231	0	252	203	0	0	0	0	0	0
1700	205	0	192	0	305	0	311	0	0	0	0	0	228	0	259	191	230	0	264	128	228	0	249	207	226	0	255	202	0	0	0	0	0	0
1800	191	0	179	0	297	0	294	0	0	0	0	0	225	0	255	187	230	0	265	163	223	0	241	193	221	0	242	183	0	0	0	0	0	0
1900	209	0	189	0	293	0	287	0	0	0	0	0	224	0	259	178	227	0	263	127	223	0	251	196	220	0	249	191	0	0	0	0	0	0
2000	216	0	202	0	296	0	289	0	0	0	0	0	227	0	251	195	248	0	314	193	224	0	247	189	221	0	247	188	0	0	0	0	0	0
2100	209	0	188	0	295	0	288	0	0	0	0	0	228	0	271	198	261	0	305	192	222	0	247	167	220	0	253	189	0	0	0	0	0	0
2200	193	0	176	0	275	0	272	0	0	0	0	0	228	0	254	203	229	0	264	128	223	0	259	192	222	0	248	198	0	0	0	0	0	0
2300	190	0	178	0	297	0	303	0	0	0	0	0	228	0	253	199	230	0	263	173	228	0	251	197	225	0	247	197	0	0	0	0	0	0
2400	207	0	193	0	307	0	319	0	0	0	0	0	231	0	259	206	235	0	263	193	228	0	256	185	226	0	253	180	0	0	0	0	0	0

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	522	0	516	0	518	0	513	0	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	71	0
200	540	0	534	0	536	0	531	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	71	0
300	559	0	552	0	554	0	549	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	71	0
400	576	0	570	0	572	0	567	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	71	0
500	585	0	577	0	577	0	572	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	71	0
600	576	0	570	0	570	0	565	0	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	71	0
700	563	0	558	0	561	0	558	0	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	71	0
800	572	0	567	0	574	0	567	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
900	567	0	561	0	577	0	572	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
1000	586	0	581	0	594	0	588	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
1100	585	0	579	0	594	0	588	0	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
1200	583	0	577	0	595	0	590	0	320	0	320	0	14	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
1300	558	0	550	0	585	0	579	0	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
1400	583	0	577	0	597	0	590	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
1500	603	0	595	0	613	0	608	0	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
1600	576	0	570	0	594	0	588	0	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
1700	630	0	624	0	635	0	630	0	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
1800	640	0	635	0	642	0	635	0	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
1900	644	0	639	0	637	0	631	0	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
2000	630	0	624	0	626	0	621	0	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
2100	633	0	628	0	630	0	622	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
2200	622	0	617	0	619	0	613	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
2300	615	0	610	0	613	0	608	0	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0
2400	601	0	595	0	604	0	597	0	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	72	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX 50 B	S	WIND DIR2	MIN 150A	MAX 150A	S	WIND DIR3	MIN 150B	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	229	0	221	0	337	0	352	0	0	0	0	0	231	0	253	200	234	0	262	193	232	0	247	211	228	0	248	208	0	0	0	0	0	0
200	219	0	208	0	325	0	349	0	0	0	0	0	232	0	254	210	234	0	279	196	233	0	252	213	231	0	257	212	0	0	0	0	0	0
300	207	0	205	0	317	0	330	0	0	0	0	0	234	0	255	206	237	0	283	200	233	0	252	210	230	0	249	209	0	0	0	0	0	0
400	214	0	211	0	331	0	345	0	0	0	0	0	234	0	262	196	235	0	282	192	233	0	252	210	230	0	261	209	0	0	0	0	0	0
500	207	0	207	0	322	0	335	0	0	0	0	0	235	0	269	212	237	0	282	212	234	0	253	195	231	0	252	213	0	0	0	0	0	0
600	208	0	201	0	337	0	348	0	0	0	0	0	234	0	270	207	235	0	262	173	235	0	247	208	232	0	251	204	0	0	0	0	0	0
700	202	0	199	0	287	0	316	0	0	0	0	0	234	0	261	214	237	0	263	195	233	0	250	209	229	0	247	205	0	0	0	0	0	0
800	225	0	223	0	344	0	358	0	0	0	0	0	237	0	256	218	238	0	283	192	236	0	269	205	235	0	259	208	0	0	0	0	0	0
900	182	0	181	0	225	0	234	0	0	0	0	0	283	0	310	253	281	0	327	237	299	0	341	226	286	0	304	244	0	0	0	0	0	0
1000	121	0	122	0	195	0	190	0	0	0	0	0	345	0	11	321	343	0	17	306	348	0	6	335	343	0	8	324	0	0	0	0	0	0
1100	74	0	76	0	133	0	132	0	0	0	0	0	9	0	53	328	8	0	62	307	2	0	43	334	358	0	63	337	0	0	0	0	0	0
1200	91	0	92	0	153	0	152	0	0	0	0	0	338	0	5	297	336	0	15	305	347	0	3	336	341	0	356	325	0	0	0	0	0	0
1300	116	0	116	0	176	0	173	0	0	0	0	0	342	0	54	312	342	0	58	307	350	0	12	333	343	0	19	324	0	0	0	0	0	0
1400	92	0	89	0	144	0	140	0	0	0	0	0	349	0	24	322	348	0	39	286	358	0	42	330	353	0	49	328	0	0	0	0	0	0
1500	109	0	111	0	154	0	149	0	0	0	0	0	346	0	22	299	342	0	35	286	352	0	7	337	346	0	1	328	0	0	0	0	0	0
1600	81	0	83	0	119	0	119	0	0	0	0	0	351	0	40	304	349	0	59	307	356	0	37	335	349	0	51	318	0	0	0	0	0	0
1700	111	0	109	0	161	0	160	0	0	0	0	0	343	0	17	325	341	0	36	308	348	0	9	335	341	0	4	329	0	0	0	0	0	0
1800	87	0	86	0	126	0	124	0	0	0	0	0	354	0	41	324	350	0	57	306	359	0	51	317	355	0	51	325	0	0	0	0	0	0
1900	96	0	93	0	147	0	141	0	0	0	0	0	353	0	41	276	355	0	59	285	358	0	30	325	352	0	28	312	0	0	0	0	0	0
2000	87	0	86	0	139	0	137	0	0	0	0	0	356	0	50	316	356	0	81	286	359	0	42	324	353	0	56	301	0	0	0	0	0	0
2100	80	0	81	0	137	0	136	0	0	0	0	0	353	0	41	308	352	0	38	305	358	0	25	328	352	0	26	309	0	0	0	0	0	0
2200	96	0	95	0	153	0	152	0	0	0	0	0	17	0	44	334	15	0	62	327	5	0	23	326	1	0	27	327	0	0	0	0	0	0
2300	84	0	83	0	115	0	115	0	0	0	0	0	23	0	75	350	22	0	59	330	15	0	50	342	9	0	43	329	0	0	0	0	0	0
2400	89	0	89	0	126	0	126	0	0	0	0	0	20	0	60	335	16	0	62	327	5	0	39	334	0	0	34	321	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 1 180B	S	D.T. 2	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	594	0	586	0	595	0	590	0	320	0	320	0	4	0	5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72	0
200	594	0	586	0	601	0	594	0	320	0	320	0	7	0	9	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72	0
300	581	0	574	0	592	0	586	0	320	0	320	0	13	0	13	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72	0
400	579	0	574	0	590	0	585	0	320	0	320	0	11	0	13	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72	0
500	572	0	565	0	583	0	577	0	320	0	320	0	13	0	14	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72	0
600	565	0	559	0	579	0	572	0	320	0	320	0	14	0	16	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	72	0
700	574	0	568	0	583	0	576	0	320	0	320	0	7	0	9	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	74	0
800	558	0	550	0	570	0	565	0	320	0	320	0	14	0	14	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	77	0
900	511	0	505	0	518	0	513	0	320	0	320	0	7	0	11	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	79	0
1000	450	0	442	0	446	0	441	0	320	0	320	0	-2	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	86	0
1100	410	0	403	0	403	0	398	0	320	0	320	0	-7	0	-5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	91	0
1200	396	0	390	0	390	0	385	0	320	0	320	0	-5	0	-4	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1300	383	0	378	0	376	0	369	0	320	0	320	0	-9	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	108	0
1400	376	0	369	0	367	0	361	0	320	0	320	0	-7	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1500	367	0	361	0	360	0	352	0	320	0	320	0	-7	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	114	0
1600	360	0	352	0	352	0	347	0	320	0	320	0	-7	0	-5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1700	360	0	352	0	352	0	347	0	320	0	320	0	-7	0	-5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1800	358	0	351	0	352	0	342	0	320	0	320	0	-5	0	-5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1900	352	0	345	0	343	0	338	0	320	0	320	0	-7	0	-5	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2000	349	0	343	0	342	0	334	0	320	0	320	0	-9	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2100	349	0	342	0	340	0	334	0	320	0	320	0	-9	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2200	343	0	336	0	334	0	329	0	320	0	320	0	-9	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2300	342	0	334	0	333	0	329	0	320	0	320	0	-9	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2400	345	0	338	0	336	0	331	0	320	0	320	0	-9	0	-7	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANG

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	92	0	90	0	129	0	126	0	0	0	0	0	23	0	55	343	21	0	81	345	12	0	43	331	8	0	40	312	0	0	0	0
200	87	0	85	0	111	0	111	0	0	0	0	0	27	0	47	2	24	0	59	353	16	0	41	349	11	0	34	334	0	0	0	0
300	88	0	88	0	106	0	107	0	0	0	0	0	35	0	60	9	34	0	63	352	38	0	66	14	34	0	64	5	0	0	0	0
400	73	0	77	0	85	0	90	0	0	0	0	0	45	0	65	23	46	0	84	16	44	0	80	23	41	0	74	23	0	0	0	0
500	57	0	63	0	73	0	82	0	0	0	0	0	49	0	67	31	50	0	81	35	46	0	65	33	44	0	60	29	0	0	0	0
600	48	0	56	0	79	0	92	0	0	0	0	0	53	0	75	29	53	0	83	15	49	0	58	39	46	0	55	29	0	0	0	0
700	45	0	52	0	72	0	84	0	0	0	0	0	67	0	88	46	67	0	84	36	62	0	81	50	60	0	76	48	0	0	0	0
800	55	0	55	0	73	0	74	0	0	0	0	0	90	0	100	81	93	0	106	83	89	0	94	84	88	0	93	83	0	0	0	0
900	48	0	49	0	74	0	73	0	0	0	0	0	81	0	89	75	83	0	103	80	86	0	89	82	86	0	89	82	0	0	0	0
1000	26	0	30	0	28	0	34	0	0	0	0	0	70	3	99	36	72	3	125	35	61	3	95	27	59	0	96	28	0	0	0	0
1100	28	0	31	0	28	0	32	0	0	0	0	0	80	3	158	35	84	0	152	35	81	3	132	25	83	0	139	31	0	0	0	0
1200	48	0	47	0	65	0	66	0	0	0	0	0	350	0	55	295	351	0	58	283	2	0	57	318	356	0	78	304	0	0	0	0
1300	48	0	50	0	63	0	63	0	0	0	0	0	347	0	60	288	345	0	61	283	359	0	67	308	352	0	60	312	0	0	0	0
1400	55	0	58	0	78	0	80	0	0	0	0	0	7	0	103	293	6	0	81	305	2	0	45	310	359	0	60	309	0	0	0	0
1500	92	0	89	0	105	0	104	0	0	0	0	0	18	0	58	296	15	0	62	281	15	0	39	344	9	0	28	329	0	0	0	0
1600	90	0	90	0	106	0	106	0	0	0	0	0	29	0	59	354	28	0	62	350	28	0	63	353	23	0	57	348	0	0	0	0
1700	54	0	57	0	69	0	71	0	0	0	0	0	40	0	61	9	40	0	62	354	39	0	60	22	35	0	59	10	0	0	0	0
1800	60	0	64	0	80	0	85	0	0	0	0	0	45	0	59	25	45	0	81	15	43	0	54	32	40	0	54	28	0	0	0	0
1900	59	0	69	0	89	0	104	0	0	0	0	0	54	0	73	37	54	0	84	35	48	0	57	40	44	0	51	31	0	0	0	0
2000	66	0	74	0	102	0	117	0	0	0	0	0	68	0	89	52	69	0	104	38	59	0	77	49	59	0	71	46	0	0	0	0
2100	94	0	96	0	137	0	150	0	0	0	0	0	78	0	92	61	80	0	105	59	73	0	86	61	72	0	81	63	0	0	0	0
2200	92	0	94	0	138	0	137	0	0	0	0	0	84	0	107	67	88	0	107	60	81	0	100	71	79	0	95	70	0	0	0	0
2300	81	0	80	0	128	0	129	0	0	0	0	0	96	0	105	86	101	0	107	83	98	0	102	92	98	0	102	93	0	0	0	0
2400	79	0	79	0	117	0	116	0	0	0	0	0	75	0	84	66	79	0	84	60	81	0	87	73	80	0	86	73	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	345	0	338	0	336	0	331	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
200	349	0	342	0	340	0	334	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
300	347	0	340	0	338	0	333	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
400	336	0	329	0	329	0	322	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
500	322	0	308	0	312	0	306	0	320	0	320	0	-5	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
600	303	0	296	0	305	0	297	0	320	0	320	0	0	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
700	287	0	278	0	290	0	285	0	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
800	283	0	276	0	283	0	278	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
900	288	0	281	0	299	0	294	0	320	0	320	0	11	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1000	324	0	322	0	317	0	310	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1100	356	0	352	0	354	0	349	0	320	0	320	0	-2	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1200	351	0	343	0	327	0	322	0	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1300	363	0	358	0	334	0	331	0	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1400	356	0	349	0	334	0	329	0	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1500	343	0	336	0	331	0	325	0	320	0	320	0	-14	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1600	336	0	331	0	325	0	320	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1700	327	0	322	0	322	0	312	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	115	0
1800	314	0	305	0	310	0	305	0	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
1900	306	0	297	0	306	0	301	0	320	0	320	0	0	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2000	297	0	290	0	299	0	294	0	320	0	320	0	2	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2100	294	0	287	0	297	0	292	0	320	0	320	0	4	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2200	288	0	281	0	288	0	283	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2300	288	0	281	0	276	0	270	0	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0
2400	279	0	272	0	287	0	281	0	320	0	320	0	9	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	116	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND SPD6 50 A S		WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A S	MIN	MAX	WIND DIR4 150B S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S	
100	76	0	79	0	118	0	118	0	0	0	0	0	74	0	80	60	78	0	84	59	79	0	86	70	78	0	82	69	0	0	0	0	0	0
200	111	0	108	0	163	0	160	0	0	0	0	0	85	0	102	69	87	0	118	62	85	0	94	69	84	0	96	70	0	0	0	0	0	0
300	105	0	104	0	161	0	158	0	0	0	0	0	103	0	121	85	107	0	129	81	99	0	118	75	98	0	117	82	0	0	0	0	0	0
400	116	0	114	0	166	0	166	0	0	0	0	0	106	0	124	85	110	0	129	83	103	0	120	83	103	0	123	92	0	0	0	0	0	0
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
800	112	0	111	0	151	0	150	0	0	0	0	0	95	0	129	76	97	0	129	39	92	0	121	73	91	0	119	70	0	0	0	0	0	0
900	106	0	103	0	136	0	133	0	0	0	0	0	92	0	120	66	96	0	128	62	91	0	123	64	91	0	117	76	0	0	0	0	0	0
1000	98	2	120	0	146	0	149	0	0	0	0	0	88	0	106	69	92	0	127	61	87	0	102	70	87	0	98	67	0	0	0	0	0	0
1100	100	2	89	0	107	0	115	0	0	0	0	0	79	0	101	59	83	0	106	57	83	0	103	67	82	0	102	55	0	0	0	0	0	0
1200	116	2	98	0	111	0	120	0	0	0	0	0	81	0	102	60	84	0	107	58	80	0	93	61	79	0	99	57	0	0	0	0	0	0
1300	93	0	103	0	117	0	130	0	0	0	0	0	84	0	116	62	87	0	136	58	82	0	104	66	81	0	105	62	0	0	0	0	0	0
1400	86	0	97	0	102	0	113	0	0	0	0	0	87	0	106	65	89	0	107	61	84	0	121	33	85	0	152	69	0	0	0	0	0	0
1500	86	0	95	0	96	0	115	0	0	0	0	0	78	0	101	63	80	0	107	58	75	0	95	56	74	0	96	45	0	0	0	0	0	0
1600	92	0	101	0	100	0	122	0	0	0	0	0	75	0	102	58	79	0	107	58	75	0	103	25	76	0	105	52	0	0	0	0	0	0
1700	106	0	114	0	108	0	128	0	0	0	0	0	81	0	102	62	83	0	107	36	79	0	107	5	80	0	99	65	0	0	0	0	0	0
1800	78	0	104	0	90	0	117	0	0	0	0	0	73	0	97	50	78	0	107	35	72	0	92	37	70	0	89	51	0	0	0	0	0	0
1900	86	2	131	0	109	0	128	0	0	0	0	0	80	0	99	65	82	0	107	58	77	0	91	64	75	0	94	54	0	0	0	0	0	0
2000	92	2	139	0	121	0	128	0	0	0	0	0	86	0	108	69	90	0	107	61	83	0	102	22	82	0	107	53	0	0	0	0	0	0
2100	106	2	133	0	106	0	113	0	0	0	0	0	82	0	112	61	87	0	149	58	78	0	84	78	79	0	107	55	0	0	0	0	0	0
2200	78	2	149	0	132	0	131	0	0	0	0	0	88	0	113	65	93	0	130	38	80	0	80	80	84	0	122	60	0	0	0	0	0	0
2300	86	2	141	0	125	0	122	0	0	0	0	0	87	0	120	71	92	0	135	60	80	0	89	80	79	0	105	52	0	0	0	0	0	0
2400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 180A S		AMB. TEM4 180B S		AMB. TEM5 S		AMB. TEMP6 S		D.T. 1 180A S		D.T. 2 180B S		D.T. 3 S		D.T. 4 S		MISC 1 S		MISC 2 S		MISC 3 S		MISC 4 S		MISC 5 S		MISC 6 S		MISC 7 S		RAIN S	
100	281	0	272	0	287	0	283	0	320	0	320	0	-7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	116	0
200	283	0	276	0	288	0	283	0	320	0	320	0	-5	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	116	0
300	296	0	288	0	296	0	290	0	320	0	320	0	2	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	116	0
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	312	0	305	0	305	0	299	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
900	312	0	305	0	303	0	297	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1000	310	0	303	0	301	0	296	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1100	314	0	305	0	305	0	299	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	117	0
1200	315	0	308	0	306	0	303	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	118	0
1300	317	0	310	0	308	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	118	0
1400	324	0	315	0	317	0	308	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	126	0
1500	322	0	314	0	314	0	306	0	320	0	320	0	-9	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	132	0
1600	322	0	314	0	312	0	306	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	134	0
1700	322	0	314	0	314	0	306	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	140	0
1800	322	0	312	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	147	0
1900	320	0	312	0	312	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	153	0
2000	320	0	312	0	312	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	162	0
2100	320	0	312	0	312	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	169	0
2200	320	0	312	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	173	0
2300	322	0	312	0	314	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	177	0
2400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE2 = INVALID 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

APPENDIX 3

PROCESS CONTROL PROGRAM (PCP) CHANGES

Phy Sci X

FORM 5329

INDIANA AND MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

INSTRUCTION OR PROCEDURE NO.: 12PMP 3150PCP.001 REVISION NO.: 3 CHANGE SHEET NO.: 5

TITLE: Radioactive Waste Process Control Manual PAGE 1 of 1

ORIGINATED BY: [signature] DATE: 12/21/84
MANAGEMENT STAFF: [signature] DATE: 12-22-84
SENIOR REACTOR OPERATOR: [signature] DATE: 1-3-85
Q.A. SUPERVISOR: [signature] DATE: 2 JAN 85
PNSRC: [signature] DATE: 3 JAN 85
PLANT MANAGER: [signature] DATE: 3 Jan. 85

Dept. DCR 8G
Volume #

EXPIRATION DATE: NA

PROCEDURE SUPV. [signature] DATE 12-26-84

DESCRIPTION OF CHANGE

1) Changed the values of the radionuclides used in the classification of radioactive waste.
2) Incorporated the new S.C. Prior Notification and Manifest Form.
3) Clarified the packaging of scintillation fluids and updated the list of approved absorbents.
4) Removed the names of contacts.
5) Removed the requirement to add absorbent to the bags during filter changes.

REASON(S) FOR CHANGE

1) 10 CFR 61 2) South Carolina Department of Health and Environmental Control
3) State of Washington Radioactive Materials License
4) For people no longer at the burial sites, etc.
5) Filters will not be shipped for burial in drums.

INSTRUCTIONS FOR INCORPORATING CHANGE

Replace List of Effective Pages, Pages 1, 2, and 4 with 1, 2, and 4, CS-5
Replace Page 15 with Page 15, CS-5
Replace Page 22 with Page 22, CS-5
Replace Page 23 with Page 23, CS-5
Replace Page 27 with Page 27, CS-5
Replace Page 28 with Page 28, CS-5
Replace Attachment XVI with Attachment XVI, CS-5
Replace Attachment XX with Attachment XX, CS-5

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Miscellaneous-Including Absolute, and Hepa Filters

All miscellaneous noncompressible waste must be placed in a metal box as soon as possible after determination the item is to be disposed of. No liquid or damp items of any kind are to be placed in metal boxes. No metal box is to be sealed until it has been visually inspected by Environmental Section personnel, has been numbered and a description of the contents, including approximate item size and amount, is completed on the Low Level Waste Box Inventory, Attachment XXI.

NOTE: Any box which is greater than 640 cubic feet must be placarded on both sides and both ends.

Scintillation Vials

1. Obtain a fifty-five (55) gallon waste drum (DOT 17H), place in the hot lab and label "For scintillation vials only - Do Not Ship to Barnwell."

2. Place a 1" layer of absorbent* in the bottom of the drum. Line the drum with a minimum four (4) mil plastic liner.

3. The vials are NOT to be opened. CS-5

4. Place approximately 3" of absorbent at the bottom of the container inside the plastic liner. Vials and absorbent must be placed in the container in alternate layers not exceeding 6" in depth. The top layer of absorbent must be at least 3" in depth.

5. Container must be filled with enough absorbent material to absorb at least twice the volume of the liquid contents.

6. Seal the plastic liner.

7. Close the container and take to the 587' Drumming Room.

8. Replace with a new barrel and follow the above steps for filling.

*Approved Absorbents

1. Superfine
2. Floor Dry
3. Celatom (MP-78)
4. Zonolite (Grades 2, 3 or 4)
5. Krolite
6. Speedi-dry
7. Hi Dri
8. Florco and Florcox
9. Instant-Dri
10. Safe-T-Sorb
11. Oil-Dri (Safe n Dri)

that of any other member, including the first, at any time during transportation, the transport group of the nuclide "x" and the activity of the mixture shall be the maximum activity of that nuclide "x" during transportation.

3. See Attachment XXIII for Transport Grouping of Radionuclides.

As burial space is required

Both the Beatty, Nevada and Richland, Washington burial sites do not have volume allocation plans. For burial space call:

Beatty, Nevada U.S. Ecology, Inc.	702-553-2203	CS-5
Richland, Washington U.S. Ecology, Inc.	509-377-2411	

At least 3 months before shipment

The Barnwell, South Carolina Burial Site has a volume allocation plan. For burial space and allocation numbers call:

Barnwell, S. C. VAP/PNP Dept. (CNSI)	803-259-3577 803-259-3578	CS-5

Call Hittman Nuclear and Development Corporation for transportation and scheduled shipment date confirmation and follow with a letter.

HNDC	312-232-6133	CS-5

At least 7 days prior to shipment

Notify the Michigan Department of Public Health of the scheduled date of shipment and estimated curie content.

Mich. Dept. of Public Health -	517-373-1578	CS-5

Prior Notification and Manifest must be sent to the State of South Carolina and the Barnwell Burial Site to be received 72 hours prior to shipment arrival.

Verify that the proposed carrier has a valid permit to transport radioactive materials in the State of Oregon. This verification is only required when the consignee is the Richland Burial Site.

Day of shipment, prior to departure

Verbally notify burial site being shipped to and transmit a copy of the 10CFR 20.311 Manifest. For shipments to the TP-3 Barnwell Site, the route through South Carolina must be given.

Barnwell Burial Site Chem-Nuclear Systems, Inc.	803-259-3577 803-259-3578	CS-5
Beatty Burial Site U.S. Ecology, Inc.	702-553-2203	
Richland Burial Site U. S. Ecology, Inc.	509-377-2411	

If there are any changes in the Prior Notification and Manifest for the Barnwell Site, the State of South Carolina must be notified in addition to the Burial Site.

State of S. C. 803-758-7806 | CS-5

Notification of the Michigan State Police must be given prior to shipment. (See Attachment XIII)

Michigan State Police - 616-469-1111

G. SHIPPING

All shipping of radioactive materials for burial or for other reasons are required by procedure to comply with all NRC and DOT regulations. All packaging in the above steps of this program are designed to insure compliance with all the appropriate regulations. The following procedures are used to insure and/or verify compliance with the regulations.

PMI 3150	Receipt And Shipment Of Radioactive Materials.
12 THP 6010 RAD.304	Shipment Of Radioactive Materials
12 THP 6040 PER.467	Cask Handling

RADIATION PROTECTION SECTION

1 Copy	Barnwell Waste Management Facility (RSR)
Original	Radiation/Contamination Truck Survey
1 Copy	U.S. Ecology, Inc. (RSR)
Original	Demineralizer Resin Calculation Sheet

H. ACKNOWLEDGEMENT OF SHIPMENT

Within seven (7) days after the estimated time of arrival at the designated burial site, a signed copy of the manifest verifying receipt of the shipment shall be received by the Plant. If acknowledgement of the shipment has not been received, initiate the requirements of 10 CFR 20.311.

I. WASTE CLASSIFICATION

Evaporator Concentrates

For the period from January 1, 1985 to December 31, 1985, evaporator concentrates shipped offsite for burial will be defined as Class A waste. The total quantity of the radionuclides H-3, C-14, TC-99, I-129 and Ni-63 must be shown on the Radioactive Shipment Manifest, using the following concentrations: CS-5

H-3 - measured or default (8.59 E-2 µci/cc)
C-14 - <3.70 E-5 µci/cc
TC-99 - 4.59 E-5 µci/cc
I-129 - <8.00 E-6 µci/cc
Ni-63 - Co-60 concentration in µci/cc times 0.45 equals the Ni-63 concentration. If this concentration is <3.50 E-2 it is not required to be entered on the RSM.

Resin From The Spent Resin Storage Tank

For the period from January 1, 1985 to December 31, 1985, resin from the spent resin storage tank shipped offsite for burial will be determined using Attachment XXVII. High Integrity Containers meet the stability requirements of 10 CFR Part 61.56. Resin shipped in these containers meeting the requirements of the Certificate of Compliance require no further stabilization. Resin shipped in non-High Integrity Containers must be stabilized as required by 10 CFR Part 61.56. The vendor is responsible for meeting the stability requirements and presenting to the Plant an approved topical report. This report should be submitted to the Plant on an annual basis commencing January 1, 1984.

The total quantity of the radionuclides H-3, C-14, TC-99, I-129, Ni-63 and Sr-90 must be shown on the Radioactive Shipment Manifest, using the following concentrations:

H-3 - 9.18 E-2 µci/cc
C-14 - <3.70 E-5 µci/cc
TC-99 - 4.86 E-6 µci/cc
I-129 - <1.60 E-7 µci/cc
Ni-63 - Co-60 concentration times 0.68 or default (7.40 E-1)
Sr-90 - 2.07 E-5 µci/cc

The shipment paperwork must also include the specific activity of the transuranic radionuclides using the following concentrations:

Pu-238	- 5.32 E-1 nci/gm
Am-241	- 1.23 E-1 nci/gm
Pu-239,-240	- 1.26 E-1 nci/gm
Pu-241	- 2.46 E+1 nci/gm
Cm-242	-<9.20 E-4 nci/gm
Cm-243,-244	-<9.20 E-4 nci/gm

Unit 1 and 2 Steam Generator Blowdown Treatment Resin

For the period from January 1, 1985 to December 31, 1985 resin from the steam generator blowdown treatment system will be defined as Class A - unstable. The total quantity of the radionuclides H-3, C-14, TC-99, I-129, Ni-63 and Sr-90 must be shown on the Radioactive Shipment Manifest, using the following concentrations:

	Unit 1	Unit 2
H-3	6.13 E-4 µci/cc	1.29 E-4 µci/cc
C-14	<2.00 E-6 µci/cc	<3.00 E-6 µci/cc
Tc-99	6.10 E-6 µci/cc	1.80 E-5 µci/cc
I-129	<1.00 E-5 µci/cc	<1.00 E-5 µci/cc
Ni-63	1.60 E-4 µci/cc	1.30 E-4 µci/cc
Sr-90	<4.00 E-6 µci/cc	9.00 E-5 µci/cc

The shipment paperwork must also include the specific activity of the transuranic radionuclides using the following concentrations: CS-5

	Unit 1	Unit 2
Pu-239,-240	2.60 E-4 nci/gm	6.20 E-4 nci/gm
Pu-241	<3.30 E-2 nci/gm	6.80 E-2 nci/gm
Pu-238	1.30 E-3 nci/gm	5.80 E-3 nci/gm
Am-241	2.20 E-3 nci/gm	1.80 E-3 nci/gm
Cm-242	<1.40 E-4 nci/gm	<7.40 E-5 nci/gm
Cm-243,-244	1.00 E-3 nci/gm	1.10 E-3 nci/gm

Dry Active Waste - Compressible and Non-Compressible

For the period from January 1, 1985 to December 31, 1985, dry active waste shipped offsite for burial will be defined as Class A waste. The total quantity of the radionuclides H-3, C-14, Tc-99 and I-129 must be shown on the Radioactive Shipment Manifest using the following concentrations:

H-3	- 5.00 E-3 µci/cc
C-14	-<7.50 E-7 µci/cc
Tc-99	-<2.50 E-7 µci/cc
I-129	-<2.00 E-7 µci/cc

CS-5

J. TRAINING

Personnel who routinely handle and ship radioactive waste (see Attachment VI) will be trained at least annually on the current regulations (see References Section) and the plant instructions and procedures which apply to Waste Handling.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Waste Shipment Prior Notification and Manifest Form

[Failure to Complete ALL Entries Will Result in Return of Form and Constitute Noncompliance.]

See Reverse Side for Instructions

1. Name and Address of Shipper/Generator:	2. Person Responsible for Waste Shipment: a) Name: b) Title: c) Telephone:( )
3. Radioactive Waste Transport Permit No.	4. Shipment Identification No.:
5. Location from which waste will be shipped:	6. Name and Address of Consignee:
7. Scheduled Date of Departure of Shipment:	8. Estimated Date of Arrival of Shipment:

9. Carrier:	10. Trailer No. & Owner: (if available)	11. Type Transport Vehicle:

12. Routes shipment will follow in State of South Carolina (Be Specific):

13. Type Package or Cask Model No.:	14. Type Container in Cask:	15. Package or Cask Spec.:

16. Complete Waste Description (Be Specific):

17. Physical & Chemical Form:	18. Total No. of Packages:	19. Prominent Radionuclides:

20. Total Curies:	21. Waste Class & Stability:	22. Total Cubic Feet:
23. DOT Sub Type:	24. DOT Class. & Hazard Class UN No.:	25. Hwy. Route Controlled: (Large Quantity) [ ] Yes [ ] No

CERTIFICATION

I hereby certify on behalf of the above-named shipper/generator to the South Carolina Department of Health and Environmental Control that the information provided herein is complete and correct to the best of my knowledge; and that the shipper/generator has complied with all the provisions as required by Act No. 429 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act, and Department Regulation 61-83.

Date _____ _____
Typed Name

_____
Signature of Consignee's Authorized Representative

CONSIGNEE ACKNOWLEDGMENT

This acknowledges to the South Carolina Department of Health and Environmental Control that the above-described radioactive waste shipment was received.

_____ _____
Date of Delivery Signature of Consignee's Authorized Representative

_____
Typed or Printed Name and Title

DHEC 802 (Rev. 10/84)

(Copies of this form may be reproduced locally as needed)

FILTER CHANGE SIGN-OFF SHEET

NOTE: The time period between Step 1 and Step 2 must be greater than or equal to 15 minutes.

OPERATIONS — DATE / TIME / BY

STEP 1: Filter-Vented and Drained (Clearance hung). Place this form on RWP Paper at job site. _____/_____/_____

MAINTENANCE

CS-5

STEP 2: Remove Filter, Transport to 587' Drumming Room and place in Drum (time filter removed from housing).
_____/_____/_____

NOTE: Filter must not have a continuous flow of water coming from it. It should only be dripping.

CAUTION: Use extreme care, when placing the filter into the receiving barrel to avoid spreading contamination.

STEP 2 time minus STEP 1 time =

Total Drain Time_____Minutes _____/_____/_____

Maintenance personnel should give form to RP personnel covering the job.

RADIATION PROTECTION

Filter_____ Drum Location_____

Filter type_____ Contact Rad. Reading_____

Drum Number_____ 1m Radiation Reading_____

_____/_____/_____

NOTE: If the contamination results are > 2200 dpm/100 cm^2, the barrel must be deconned until the levels are < 2200 dpm/100 cm^2 and recorded.

_____/_____/_____

After completion of this sheet, RP should forward to the Environmental Section.

Tech PS +

FORM 5329

INDIANA AND MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

INSTRUCTION OR PROCEDURE NO.: 12 PMP3150PCP.001 REVISION NO.: 3 CHANGE SHEET NO.: 4

TITLE: Radioactive Waste Process Control Manual PAGE 1 of 1

ORIGINATED BY: S. L. Dannhardt DATE: 11/12/84
MANAGEMENT STAFF: DATE: 11/23/84
SENIOR REACTOR OPERATOR: DATE: 12-11-84
Q.A. SUPERVISOR: DATE: 8 Dec 84
PNSRC: Alberto Federoni DATE: 12/11/84
PLANT MANAGER: DATE: 12/11/84

Dept. DCR Volume # 8G

PROCEDURE SUBC. DATE 11-28-84 EXPIRATION DATE: NA

DESCRIPTION OF CHANGE

Added the plant program for radioactive waste classification

REASON(S) FOR CHANGE

To incorporate the requirements of 10 CFR 61.

INSTRUCTIONS FOR INCORPORATING CHANGE

Replace the List of Effective Pages
Replace Page 1 with Page 1, CS-4
Replace Page 2 with Page 2, CS-4
Replace Page 5 with Page 5, CS-4
Add Appendix A, Page 1 of 3, CS-4
Add Appendix A, Page 2 of 3, CS-4
Add Appendix A, Page 3 of 3, CS-4
Add Attachment XXVI
Add Attachment XXVII

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INDIANA & MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

RADIOACTIVE WASTE PROCESS CONTROL PROGRAM

1.0 OBJECTIVE

This manual is to give the necessary directions to insure that all plant generated radioactive wastes are transferred, packaged and shipped such that radioactive waste shipment and burial regulations are satisfied.

2.0 REFERENCES

2.1 Code of Federal Regulations Title 49 Parts 170-179
2.2 Code of Federal Regulations Title 10 Parts 19-71, 150
2.3 NRC Radioactive Material License No. 46-13536-01
2.4 State of South Carolina, Radioactive Materials License No. .097.
2.5 State of Maryland Radioactive Materials License No. MD 27-001-02.
2.6 Technical Specifications, Appendix A to License No. DPR-58.
2.7 Technical Specifications, Appendix A to License No. DPR-74.
2.8 U.S. Ecology Incorporated, State of Nevada, Department of Human Resources, Division of Health, Radioactive Materials License No. 13-11-0043-02.
2.9 U.S. Ecology Incorporated, NRC, Radioactive Materials License No. 04-03766-01.
2.10 U.S. Ecology, Incorporated, State of Washington Radioactive Materials License No. WN-1019-02.
2.11 U.S. Ecology Incorporated, NRC, Washington License 16-19204-01.
2.12 NRC Technical Position on Waste Form
2.13 NRC Additional Guidance on the Implementation of 10 CFR 61. CS-4
2.14 AIF/NESP Methodologies for Classification of Low-Level Radioactive Waste from Nuclear Power Plants
2.15 Impell August 1984 Radionuclide Correlations in Low-Level Radwaste

2.16 Application to transport "Large Quantity" shipments of radioactive material in Michigan should be made pursuant to the requirements of R29.553 of Act No. 207 of the Public Acts of 1941, as amended, being 29.3C of the Michigan Compiled Laws (Department of State Police - State Fire Safety Board) and Section 9 of Act No. 380 of the Public Acts of 1965, as amended, and Sections 2226, 2233, and 13521 of Act No. 368 of the Public Acts of 1978, as amended, being K 16.109, 333.2226, 333.2233 and 333.13521 of the Michigan Compiled Laws (Michigan Department of Public Health).

2.17 Oregon Administrative Rules Chapter 345 Division 60 for the Oregon Radioactive Materials Transport Permit requirements.

2.18 Hittman Nuclear and Development Corporation Radwaste Handling Service Manual.

2.19 Chem Nuclear Radwaste Handling Service Manual.

3.0 PRECAUTIONS

3.1 No oil or petroleum products will be poured into any Auxiliary Building floor drains. All oils removed from any pump, etc. in the Auxiliary Building or containment area must be placed into a container, and removed from the area. All spills must be kept from entering floor drains and must be cleaned up immediately.

3.2 No package will be loaded for shipment if it has any indication of a hole, failure, or weak spot. Any package which has an opening or weak spot must be labeled "Do Not Ship." Particular attention will be paid to welds, insuring no holes, failures or weak spots exist. Any package which has a hole, failure or weak spot and is marked "Do Not Ship" will be placed in a larger package for shipment or will be emptied and cut up or smashed prior to placing in a package for shipment.

3.3 The use of any epoxy materials to seal any openings in a package for shipment of radioactive material is strictly prohibited.

3.4 The shipment of 1000 gallon and 1500 gallon tanks manufactured by Highland Tank Co., for radioactive waste is strictly prohibited.

Attachment XXII	Demineralizer Resin Calculation Sheet	
Attachment XXIII	Transport Grouping of Radionuclides	
Attachment XXIV	Certification Statement For Disposal of Radlok High Integrity Containers	TP-2
Attachment XXV	Solidification Liner Calculation Sheet	TP-3
Attachment XXVI	Waste Classification Table	CS-4
Attachment XXVII	Waste Classification Work Sheet	CS-4

5.0 DETAILS

The plant waste processing equipment (demineralizers, evaporators, etc.) are designed to process wastes in the chemical and physical forms which exist in the operating plant systems. Plant administrative procedures dictate the plant system's chemical operating parameters, and routine sampling of these systems insure that all parameters are kept within the operating limits. Other procedures are in effect which prevent materials which effect waste system operation from entering these systems.

If alternate or additional equipment such as filters, demineralizers, incinerators, etc. are required for waste processing they will be operated by the philosophy established in this manual to assure that the final forms meet all the regulations for shipping and burial. Prior to the operation of any alternate equipment, procedures will be written and approved.

A. Liquid Processing And Solidification

The waste evaporators are operated by the instructions given in one of the following plant procedures:

1 OHP 4021.002.005	Operation of Waste Evaporator
1 OHP 4021.024.002	Pumping of Waste Evaporator Bottoms
12 OHP 4021.022.008	Placing In Service and Operation Of The South Boric Acid Evaporator Including System Line Up As A Waste Evaporator
1 OHP 4021.022.009	"S" Boric Acid Evaporator Cooldown And Pump Out of Evaporator Bottoms Operating As A Waste Evaporator

The evaporators are operated for the purpose of reducing the liquid waste activity levels such that these liquids can be released to the environment at concentrations within the limits of 10 CFR Part 20. Liquids which are

WASTE CLASSIFICATION TABLE

RADIONUCLIDES	CONCENTRATION LIMITS IN CURIES/ CUBIC METER*		
Group 1 (short-lived)	**Class A**	**Class B**	**Class C**
Total of all with half-life less than 5 years.....	≤700	>700	
H-3.....	≤ 40	> 40	
Co-60.....	≤700	>700	
Ni-63.....	≤ 3.5	≤ 70	≤ 700
Ni-63 in activated metal...	≤ 35	≤700	≤7000
Sr-90.....	≤ 0.04	≤150	≤7000
Cs-137.....	≤ 1	≤ 44	≤4600
Group 2 (long-lived)			
C-14.....	≤ 0.8		≤ 8
C-14 in activated metal....	≤ 8		≤ 80
Ni-59 in activated metal...	≤ 22		≤ 220
Nb-94 in activated metal...	≤ 0.02		≤ 0.2
Tc-99.....	≤ 0.3		≤ 3
I-129.....	≤ 0.008		≤ 0.08
	CONCENTRATION LIMITS IN NANOCURIES/ GRAM		
Alpha emitting transuranics with half-life greater than 5 years.....	≤ 10		≤ 100
Pu-241.....	≤ 350		≤ 3500
Cm-242.....	≤2000		≤20000

* Curies/cubic meter is equivalent to microcuries/cubic centimeter.

WASTE CLASSIFICIATION WORK SHEET

TABLE 1 ISOTOPES	CONC. µci/cc	CLASS A Limit µci/cc	CLASS A Quotient	CLASS B Limit µci/cc	CLASS B Quotient	CLASS C Limit µci/cc	CLASS C Quotient
C-14	_____ ÷	8E-1=		c	_	8EO	
TC-99	_____ ÷	3E-1=		c	_	3EO	
I-129	_____ ÷	8E-3=		c	_	8E-2	
TRU[a]	_____ ÷	1E+1=		c	_	1E+2	
Pu-241[a]	_____ ÷	3.5E+2=		c	_	3.5E+3	
Cm-242[a]	_____ ÷	2E+3=	_____	c	_	2E+4	_____

Σ Quotients

TABLE 2 ISOTOPES							
H-3	_____ ÷	4E+1=		b	_	b	_
Co-60	_____ ÷	7E+2=		b	_	b	_
-63	_____ ÷	3.5EO=		7E+1		7E+2	
-90	_____ ÷	4E-2=		1.5E+2		7E+3	
Cs-137	_____ ÷	1EO=		4.4E+1		4.6E+3	
Nuclides with $t_{1/2}$ <5 yrs.		7E+2	_____	b	_____	b	_____

Σ Quotients

[a] units are nanocurie/gram
[b] no limit
[c] if class A limit is exceeded, the waste is class C

APPENDIX A

WASTE CLASSIFICATION PROGRAM

10 CFR 20.311 requires that any licensee who transfers radioactive waste to a land disposal facility must classify the waste according to the requirements of 10 CFR 61. 10 CFR 61 has established three classes of wastes, designated A, B, and C based on potential radiologic hazards and determined by concentrations of specific nuclides (Attachment XXVII). Class A waste contains the lowest concentrations of radionuclides and must meet only minimum waste form requirements. Class B and C wastes contain higher concentrations and must meet specified waste form and stability requirements.

Identification of Radioactive Waste Streams

The following waste streams have been identified:

1) Wet Wastes
   A) Evaporator Concentrates
   B) Bead Resins

2) Dry Wastes
   A) Dry Compactible Trash
   B) Dry Noncompactible Trash
   C) Filters

Waste Stream Sampling and Analysis

The samples required for analysis are:

1) 1/2 Reactor Coolant
2) 1/2 Reactor Coolant Crud
3) Evaporator Concentrates
   A) 10,000 ppm Boron
   B) 20,000 ppm Boron
   C) 30,000 ppm Boron
4) Spent Resin Storage Tank Resin
5) 1/2 Steam Generator Blowdown Resin
6) Smears

Wastes from liquid systems are sampled directly (e.g. reactor coolant samples collected in the nuclear sampling room, evaporator concentrates collected from the WEBST or a liner). Resins will be sampled normally after sluicing to a shipping container. Dry waste samples (smears) will be collected from locations representative of where the waste is generated. These samples shall be sent to an outside contractor for the following analysis: C-14, I-129, Cm-242, Cm-244, Am-241, Pu-238, Pu-239, Pu-240, Pu-241, H-3, Ni-63, Sr-90, Tc-99, Gamma Spectroscopy and starting January 1, 1985, Fe-55.

Sampling Frequency

Analysis of all waste streams shall be performed on at least an annual basis. If unit operations or plant conditions are modified such that the radionuclide distribution for any of the individual waste streams changes by a factor of 10, a reanalysis should be performed. Plant operational changes would include changes in the failed fuel fraction or a crud burst. If operations remain consistent, consideration can be given to performing reanalysis on a less frequent basis. To determine if there has been any changes in the waste streams the following should be trended weekly or as available:

1) 1/2 RCS total activity
2) 1/2 RCS H-3
3) 1/2 RCS principal gamma emitters (Co-58, Co-60, Cs-137, Cs-134)
4) 1/2 RCS DOSEQ
5) Evaporator concentrates H-3
6) Evaporator concentrates principal gamma emitters
7) Spent resin principal gamma emitters

Waste Classification - Wet Wastes - Resin/Evaporator Concentrates

1) Obtain sample of waste to be shipped
2) Analyze for gamma emitters
3) From actual sample concentrations or specific scaling ratios determined from the plant sampling program, correlate the Part 61 radionuclides.
4) Using the Waste Classification Work Sheet (Attachment XXVIII) determine the quotients of each radionuclide concentration and its Class A, B, C limits.
5) Sum the quotients. If the quotient sum is less than or equal to unity (≤ 1) for a class, the waste meets the requirements for that class.

Waste Classification - Dry Waste - DAW/Filter Media

1) Measure the dose rate (mR/hr.) at 1 meter from the package or filter.
2) Calculate the quantity of gamma emitters using the dose rate and the isotopic distribution.
3) From reactor coolant crud concentrations, or specific scaling ratios determined from the plant sampling program, correlate the Part 61 radionuclides.
4) Using the Waste Classification Work Sheet (Attachment XXVIII), determine the quotients of each radionuclide concentration and its Class A, B, C limits.
5) Sum the quotients. If the quotient sum is less than or equal to unity (≤ 1) for a class, the waste meets the requirements for that class.

Scaling Radionuclides

The following are key isotopes that are readily measured that can be correlated to those listed in the Waste Classification Table (Attachment XXVII) which are not readily measured for the waste streams identified:

SCALED RADIONUCLIDE	BASIC RADIONUCLIDE
H-3	Reactor Coolant System H-3
C-14	Does not readily scale to any other radionuclide (actual analysis or LLD)
TC-99	Cs-137 or LLD
I-129	LLD
Ni-63	Co-60
Sr-90	Cs-137
TRU	Cs-137 or Co-60 or Ce-144*
PU-241	Cs-137 or Co-60 or Ce-144*
Cm-242	Cs-137 or Co-60 or Ce-144*

* Although the correlation between Ce-144 and the transuranic content can be very good, Ce-144 is not usually detected.

APPENDIX 4

OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

Phy Sci X

FORM 5329

INDIANA AND MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

INSTRUCTION OR PROCEDURE NO.: PMP 6010 OSD.001 REVISION NO.: 0 CHANGE SHEET NO.: 1

TITLE: OFF-SITE DOSE CALCULATION MANUAL PAGE 1 of 1

ORIGINATED BY:	Dale M. Petroff	DATE: 11 DEC 84
MANAGEMENT STAFF:	J B Nelson	DATE: 11 Dec 84
SENIOR REACTOR OPERATOR:		DATE: 12-21-84
Q.A. SUPERVISOR:		DATE: 17 Dec 84
PNSRC:	C E Wiles	DATE: 12-21-84
PLANT MANAGER:	W. A Smith	DATE: 12-21-84

Dept. DCR 8G
Volume #

EXPIRATION DATE: NA

APPROVING OFFICER: W A Smith DATE 12-12-84

DESCRIPTION OF CHANGE

Correct error in value for X/Q in text, and correct selection of worst sector G to sector Q.

REASON(S) FOR CHANGE

To correct errors in text and Information Sheet 3.24.

INSTRUCTIONS FOR INCORPORATING CHANGE

Replace the following pages as indicated:

List of Effective Pages, Page 1 of 6, Revision 0 with Revision 0, CS-1

Page 4 of 6, Revision 0 with Revision 0, CS-1

Page 24 of 34, Revision 0 with Revision 0, CS-1.

Information Sheet 3.24, Page 1 of 1, Revision 0 with Revision 0, CS-1

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F_p = the maximum volumetric flow rate of release point p, at the time of the release in cc/sec. The maximum Unit Vent flow rate, by design, is 159,600 cfm for Unit 1 and 123,500 cfm for Unit 2.

DL_j = dose rate limit to organ j in an unrestricted area required to limit the dose to the applicable limit (mrem/yr).

Based on continuous releases, the dose rate limits, DL_j, from Tech. Spec. 3.11.2.1, are as follows:

Total Body	$\leq$ 500 mRem/year
Skin	$\leq$ 3000 mRem/year
Any Organ	$\leq$ 1500 mRem/year

$\overline{\chi/Q}$ = the annual average relative concentration in the applicable sector or area, in sec/m^3 (see Information Sheet 3.24), the worst sector for χ/Q value in the north sector is 5.73E-6 sec/m^3 at the site boundary (Page V-40 D. C. Cook FES, August 1973). The χ/Q values will be re-evaluated on an annual basis. The re-evaluation will include determination of the worst sector, and the Offsite Dose Calculation Manual and the Gaseous Release Program will be modified accordingly (see Information Sheet 3.37). CS-1

DCF_{ij} = dose conversion factor which is used to relate radiation dose to organ j, from exposure to radionuclide i. See Equations II-2 to II-4 in mRem/yr per $\mu Ci/m^3$.

The dose conversion factor, DCF_{ij}, is dependent upon the organ of concern.

For the whole body:

$$DCF_{ij} = K_i \qquad \text{(II-2)}$$

where:

K_i = whole body dose factor due to gamma emissions for each identified noble gas radionuclide in mRem/yr per $\mu Ci/m^3$. See Information Sheet 3.26.

X/Q GROUND AVERAGE (SEC/M³)
JUN83 - JUN84

DIRECTION (WIND FROM)	DISTANCE 594.	2416.	4020.	5630.	7240.
N	1.26E-06	1.49E-07	6.90E-08	4.06E-08	2.83E-08
NNE	2.28E-06	2.75E-07	1.25E-07	7.25E-08	5.01E-08
NE	1.84E-06	2.25E-07	1.05E-07	6.23E-08	4.35E-08
ENE	2.40E-06	2.86E-07	1.37E-07	8.29E-08	5.85E-08
E	3.02E-06	3.72E-07	1.79E-07	1.08E-07	7.62E-08
ESE	4.41E-06	5.19E-07	2.50E-07	1.51E-07	1.07E-07
SE	5.73E-06	6.73E-07	3.31E-07	2.03E-07	1.44E-07
SSE	3.72E-06	4.32E-07	2.15E-07	1.32E-07	9.45E-08
S	3.72E-06	4.36E-07	2.14E-07	1.31E-07	9.29E-08
SSW	2.79E-06	3.33E-07	1.61E-07	9.77E-08	6.92E-08
SW	2.36E-06	2.99E-07	1.39E-07	8.14E-08	5.78E-08
WSW	2.84E-06	3.53E-07	1.62E-07	9.47E-08	6.10E-08
W	2.15E-06	2.60E-07	1.19E-07	6.92E-08	4.80E-08
WNW	1.62E-06	1.87E-07	8.58E-08	5.02E-08	3.50E-08
NW	1.32E-06	1.52E-07	6.85E-08	4.00E-08	2.77E-08
NNW	1.20E-06	1.39E-07	6.37E-08	3.73E-08	2.60E-08

DIRECTION (WIND FROM)	DISTANCE 12067.	24135.	40225.	56315.	80500.
N	1.48E-08	5.38E-09	2.66E-09	1.69E-09	1.21E-09
NNE	2.43E-08	9.00E-09	4.36E-09	2.75E-09	1.94E-09
NE	2.15E-08	8.26E-09	4.06E-09	2.58E-09	1.85E-09
ENE	2.95E-08	1.16E-08	5.77E-09	3.68E-09	2.66E-09
E	3.84E-08	1.52E-08	7.58E-09	4.86E-09	3.51E-09
ESE	5.38E-08	2.12E-08	1.05E-08	6.72E-09	4.86E-09
SE	7.37E-08	2.97E-08	1.49E-08	9.55E-09	6.96E-09
SSE	4.87E-08	1.98E-08	9.95E-09	6.41E-09	4.69E-09
S	4.76E-08	1.92E-08	9.62E-09	6.18E-09	4.51E-09
SSW	3.52E-08	1.40E-08	7.02E-09	4.51E-09	3.29E-09
SW	2.85E-08	1.10E-08	5.43E-09	3.46E-09	2.49E-09
WSW	3.28E-08	1.25E-08	6.17E-09	3.92E-09	2.81E-09
W	2.34E-08	8.80E-09	4.30E-09	2.73E-09	1.94E-09
WNW	1.74E-08	6.66E-09	3.31E-09	2.12E-09	1.52E-09
NW	1.35E-08	5.05E-09	2.47E-09	1.57E-09	1.12E-09
NNW	1.29E-08	4.93E-09	2.45E-09	1.57E-09	1.13E-09

DIRECTION - SECTOR

N = A
NNE = B
NE = C
ENE = D
E = E
ESE = F
SE = G
SSE = H
S = J
SSW = K
SW = L
WSW = M
W = N
WNW = P
NW = Q
NNW = R

WORST SECTOR SITE BOUNDARY

5.73E-6 (SEC/M³)
SECTOR Q

CS-1

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FORM 5326

INDIANA & MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

Procedure No.	PMP 6010.OSD.001
Revision No.	0

TITLE OFF-SITE DOSE CALCULATION MANUAL

Dept. (DCR) 8G
Volume #

SCOPE OF REVISION

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* * * * * *	REV. 0	REV. 1	REV. 2	REV. 3
PREPARED BY	[signature]			
DEPARTMENT HEAD APPROVAL	[signature]			
INTERFACING DEPARTMENT HEAD CONCURRENCE	N.A. N.A. N.A.			
QUALITY ASSURANCE SUPERVISOR APPROVAL	[signature]			
PLANT NUCLEAR SAFETY COMMITTEE	[signature]			
PLANT MANAGER APPROVAL	E. L. Townley			
APPROVAL DATE	11-20-84			
EFFECTIVE DATE	11-20-84			

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INDIANA & MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

OFF-SITE DOSE CALCULATION MANUAL

1.0 OBJECTIVE

The Off-Site Dose Calculation Manual (ODCM) is a supporting document to the Radiological Effluent Technical Specifications (RETS), as defined in NUREG-0472. The ODCM contains the methodology and parameters to be used in the calculation of offsite doses due to radioactive liquid and gaseous effluents and in the calculation of liquid and gaseous monitoring instrumentation alarm/trip setpoints. The ODCM provides flow diagrams detailing the treatment path and the major components of the radioactive liquid and gaseous waste management systems. The ODCM also presents a map of the radiological environmental monitoring sample locations and the meteorological model used to estimate the atmospheric dispersion and deposition parameters. The ODCM specifically addresses the design characteristics of the Donald C. Cook Nuclear Plant based on the flow diagrams contained on the "OP Drawings" and plant "System Description" documents.

1.1 The Technical Physical Sciences Department is responsible for implementation of the Off-Site Dose Calculation Manual. The Radiation Protection Section of the Technical Physical Sciences Department will conduct periodic review and update of the ODCM.

2.0 REFERENCES

2.1 10CFR20, Standards for Protection Against Radiation.

2.2 10CFR50, Domestic Licensing of Production and Utilization Facilities.

2.3 12 THP 6010.RAD.001-011, Radiation Protection Environmental Sampling Procedures.

2.4 12 THP 6010.RAD.332, Liquid Waste Releases.

2.5 12 THP 6010.RAD.335, Gaseous Waste Releases.

2.6 1 THP 6010.RAD.548, RMS Setpoints - Unit 1.

2.7 2 THP 6010.RAD.548, RMS Setpoints - Unit 2.

2.8 12 THP 6010.RAD.700, Radiation Protection Section Files and Document Control.

2.9 PMI 6010, Radiation Monitoring and Protection.

2.10 NUREG-0472

2.11 NUREG-0133

2.12 Regulatory Guide 1.109.

2.13 Regulatory Guide 1.111.

2.14 Regulatory Guide 1.113.

2.15 Final Safety Analysis Report.

2.16 Technical Specifications, Appendix A, Sections 6.8.1.H; 6.15, Offsite Dose Calculation Manual.

2.17 Final Environmental Statement D. C. Cook Nuclear Plant, August 1973.

3.0 INFORMATION SHEETS

3.1 Characteristics and Functions of Radiation Monitor R-18 (Tag No. RRC-285).

3.2 Characteristics and Functions of Radiation Monitor R-19 (Tag No. DRA-300).

3.3 Characteristics and Functions of Radiation Monitor R-24 (Tag No. DRA-353).

3.4 Characteristics and Functions of Radiation Monitors 1R20/2R20 (Tag No. WRA713 and WRA714).

3.5 Characteristics and Functions of Radiation Monitors 1R28/2R28 (Tag No. WRA717 and WRA718).

3.6 Plant Liquid Effluent Parameters.

3.7 Effective Gamma Energy per Disintegration and MPC of Selected Radionuclides.

3.8 Bioaccumulation Factor for Freshwater Fish.

3.9 Site Related Ingestion Dose Commitment Factor.

3.10 Liquid Effluent Release Systems.

3.11 Graph cpm vs. μCi/ml for R-18 Waste Disposal Liquid.

3.12 Monitor Energy Calibration Curve.

3.13 Graph cpm vs. μCi/ml for R-19 Steam Generator Blowdown.

3.14 Graph cpm vs. μCi/ml for R-24 Steam Generator Blowdown Treatment.

3.15 Graph cpm vs. μCi/ml for R-20, R-28 Essential Service Water.

3.16 Gaseous Effluent Release Systems.

3.17 Characteristics and Functions of the Unit Vent Effluent Monitor (VRS-1500/2500).

3.18 Characteristics and Functions of the Lower Containment Airborne Monitor (ERS-1300/2300).

3.19 Characteristics and Functions of the Lower Containment Airborne Monitor (ERS-1400/2400).

3.20 Characteristics and Functions of the Containment Area Radiation Monitor (VRS-1201/2201; 1101/2101).

3.21 Characteristics and Functions of the Steam Jet Air Ejector Vent Monitor (SRA-1900/2900).

3.22 Characteristics and Functions of the Gland Steam Condenser Vent Monitor (SRA-1800/2800).

3.23 Plant Gaseous Effluent Parameters.

3.24 Ground Average χ/Q (sec/m^3).

3.25 Deposition ($1/m^2$).

3.26 Dose Factors for Noble Gases and Daughters.

3.27 Dose Parameters for Radioiodines and Radioactive Particulate, Gaseous Effluents.

3.28 Pathway Dose Parameters for Radionuclides Other than Noble Gases, for Infant.

3.29 Pathway Dose Parameters for Radionuclides Other than Noble Gases, for Child.

3.30 Pathway Dose Parameters for Radionuclides Other than Noble Gases, for Teenager.

3.31 Pathway Dose Parameters for Radionuclides Other than Noble Gases, for Adult.

3.32 Pathway Dose Factors Due to Radionuclides Other than Noble Gases (Maximum Dose Conversion Factor, Age Independent).

3.33 Environmental Sampling Location Codes.

3.34 Maps of TLD, Air, and Water Sampling Stations on Plant Site.

3.35 Map of TLD Stations Within 4.5 Mile Radius of the Plant.

3.36 Map of TLD, Air, Lake Water and Milk Sample Stations Within a 30 Mile Radius.

3.37 Annual Evaluation/Update of χ/Q values for all sectors.

3.38 Definitions of terms/variables for the ODCM.

4.0 DETAILS

4.1 Liquid Effluent Wastes

The Donald C. Cook site is located on Lake Michigan. The lake provides supply and discharge capacity for the plant's circulating water system. The plant's liquid effluents are discharged into the environment via six release points. Except for the Turbine Building Sump, all liquid effluents are discharged into Lake Michigan via the site's Circulating Water Discharge Tunnels. The Turbine Building Sump is discharged into the absorption field located southeast of the facility. Each effluent pathway and its discharge point are described below.

4.2 Identification of Liquid Effluent Release Points

4.2.1 Waste Disposal System Liquid Effluent Line (WDS)

The liquid processing portion of the WDS is shared by both units, 1 and 2 and discharges liquid effluents into Lake Michigan. The liquid effluents are commonly processed by the Waste Evaporator Package. The liquids are categorized as either "clean" or "dirty" and wastes are generally segregated and processed on this basis. Liquid effluents originating from the Monitor Tanks, Waste Evaporator Condensate Tanks, Chemical Drain Tank, and the Laundry and Hot Shower Tanks are released via a radiation monitor R-18 (Tag No. RRC-285) and

liquid effluent flow monitoring device. The radiation monitor, upon a high level alarm, automatically terminates the liquid effluent release by tripping off the pumps of the Waste Evaporator Condensate Tank, monitor tank pumps and closes discharge valve (RRV-285). Discharge valve RRV-285 isolates all liquid effluent releases identified above. Information Sheet 3.1 presents the characteristics and functions of radiation monitor R-18 (RRC-285). Information Sheet 3.10 schematically presents the sources of liquid effluents, major treatment systems, and their release points.

4.2.2 Steam Generator Blowdown and Blowdown Treatment System

a) Steam Generator Blowdown System (SGBD)

During normal operation, the Steam Generator Blowdown System directs secondary side water to the normal Steam Generator Blowdown Flash Tank. The water is flashed to steam, approximately 70% of the fluid is steam and 30% is liquid. When it enters the normal blowdown flash tank, the steam is vented to the A Condenser and the liquid is directed to the blowdown treatment system. The steam is returned to the condensate system via the unit turbine condenser. The fluid stream is directed to the blowdown treatment pump, between the pump and the tank. The radiation monitor R-19 (Tag No. DRA-300) monitors the fluid stream via a sample line (Information Sheet 3.10). Upon a high level alarm on R-19, each of the four blowdown sampling lines and the single blowdown tank drain line valve DRV-350 are closed. Information Sheet 3.2 presents the characteristics of the radiation monitor R-19 (DRA-300).

b) Steam Generator Blowdown Treatment System (SGBTS)

The Steam Generator Blowdown Treatment System, during normal operations, directs secondary side water to the S/G Blowdown Flash Tank and to the three blowdown demineralizers. The treated S/G Blowdown effluents are released to Lake Michigan

via the Circulating Water System through the Turbine Room Sump Overflow. The S/G Blowdown Treatment Systems of Unit 1 and 2 can be cross-connected as is necessary. In this mode of operation, the blowdown tank drain line valve (DRV-350) is closed. Radiation Monitor R-24 (Tag No. DRA-353), located between the second and third S/G Blowdown Treatment demineralizers, upon a high level alarm closes each of the four blowdown discharge line valves and each of the four sampling line valves, while the Blowdown Tank drain line valve (DRV-350) remains closed. Information Sheet 3.3 presents the characteristics and functions of radiation monitor R-24 (DRA-353). Information Sheet 3.10 schematically presents the sources of liquid effluents, major system components, and its release point.

c) Start-up Flash Tank

The start-up flash tank can be used as necessary to maintain secondary chemistry and can be used during start-up from cold shut down to full power and during abnormal operations. The S/G blowdown effluents are released to Lake Michigan via the Circulating Water System. In this mode of operation, the blow-down tank drain line valve (DRV-350) is opened. The steam produced in the start-up flash tank is released to the atmosphere and the liquid effluent is released to Lake Michigan via the Circulating Water System and is monitored by R-19 (DRA-300), and has the trip functions as described in 4.2.2a. See Information Sheet 3.10 for schematic diagram.

4.2.3 Essential Service Water System (ESW)

The Essential Service Water System, shared by both units, provides cooling for the Containment Spray Heat Exchangers. The system also provides cooling to other heat transfer equipment which are not radioactive effluent sources. Circulating water is drawn from the intake pipes and routed through the Heat Exchangers. The discharge side of the Heat Exchangers are returned to the Circulating

Water Discharge pipe and is released into Lake Michigan. Radiation Monitors 1R20, 1R28 (Tag No. WRA 713 and 717 for Unit 1) and 2R20, 2R28 (WRA 714 and 718 for Unit 2) sample the downstream flow from the Containment Spray Heat Exchangers. Upon a high radiation signal, each monitor trips an alarm in the Control Room. Water sampling connections are provided downstream of the Containment Spray Heat Exchangers. Information Sheets 3.4, 3.5, present the characteristics and functions of Radiation Monitors 1R20 (WRA-713) or 2R20 (WRA-714) and 1R28 (WRA-717) or 2R28 (WRA-718). Information Sheet 3.10 schematically presents the sources of liquid effluents, system components, and their release points.

4.2.4 Turbine Building Sump System

The Turbine Building Sump, shared by both units, collects leaks and drains from various secondary side systems. The collected waters are discharged by the turbine room sump pumps to the on-site absorption field. The effluent discharge from the turbine room sumps is pH adjusted and sampled by a pH probe, capped off to the drain line. Upon either high or a low effluent pH, the discharge is automatically terminated via closure of valve (DRV-710) and the system is placed on recirculation mode. The effluent line is equipped with an automatic composite sampler (DSX-740) and effluent flow meters (DFR-700). Information Sheet 3.10 schematically present the system flow path and components. The turbine room sump overflow is discharged into Lake Michigan.

4.3 Alarm Setpoint Determination

For the purpose of implementing Technical Specifications 3.3.3.9 and 3.11.1.1 for 10 CFR 20, Appendix B, Table II, Column 2, instantaneous concentration limits, the alarm set points for liquid effluents released into unrestricted areas will be established using the following methodology.

4.3.1 Waste Disposal System Liquid Effluent Line (Batch releases only)

The radioactivity concentration of each batch of radioactive liquid waste to be discharged shall be determined prior to the release by sampling and analysis in accordance with Table 4.11-1 of Technical Specifications.

The basic equation to calculate the variable setpoints for liquid effluents is:

$$\frac{cf}{F + f} \leq C \qquad \text{(I-1)}$$

Where:

c = the setpoint, in μCi/ml, of the radioactive monitor measuring the radioactivity concentration in the effluent line prior to dilution and subsequent release; the setpoint, which is proportional to the volumetric flow of the effluent line and inversely proportional to the volumetric flow of the dilution stream plug the effluent stream, represents a value which, if exceeded, would result in concentrations exceeding the limits of 10 CFR 20, Appendix B, Table II for the unrestricted area.

f = the effluent flow rate as measured at the radiation monitor location, in volume per unit time, but in the same units as F below (gpm). Information Sheet 3.6 presents the effluent flow rate parameter.

F = the dilution water flow rate as estimated prior to the release point, in volume per unit time (gpm). Information Sheet 3.6 presents the dilution flowrate parameters. The minimum available dilution water flow rate (F) is 230,000 gpm for one circulation pump in operation. For two or more pumps, the available dilution flowrates are:

2 circulation pumps - 460,000 gpm
3 circulation pumps - 690,000 gpm
4 circulation pumps (Unit 2 only) - 920,000 gpm

C = effluent concentration limit, technical specification 3/4.11.1, implementing 10 CFR 20 for the site, in μCi/ml.

Since f<F, equation (I-1) can be rewritten as follows, to obtain the minimum required dilution flow rate for any discharge:

$$F \geq \frac{cf}{C} \qquad \text{(I-2)}$$

Substituting C_i, the tank concentration radionuclide i, for c, and MPC_i, maximum permissible concentration radionuclide i, for C, in equation (I-2), when $\frac{C_i}{MPC_i} > 1$ yields:

$$F \geq \Sigma \frac{C_i}{MPC_i} f \qquad \text{(I-3)}$$

Since the value of f is assumed fixed, i.e., maximizes the effluent flowrate, for each discharge line, the alarm setpoint, c, using the following equation (I-4) is computed with the derived value of F, as defined by equation (I-3).

$$c \leq \frac{CF}{f} (SF) \quad (MRP) \qquad \text{(I-4)}$$

Where:

SF = an administrative operation safety factor, $\leq$1.0 (established by Plant Radiation Protection Supervisor in specific effluent release procedures upon evaluation of each effluent pathway's parameters).

MRP = a weighed multiple release point factor, $\leq$1.0, such that when all site releases are integrated, the applicable MPC will not be exceeded. The MRP for each of the effluent release points will be based on past operational experience. The MRP is computed as follows:

1) Compute $\left(\Sigma \frac{C_i}{MPC_i}\right)_j$ for each diluted effluent stream, j, discharged into the environment.

2) Compute $\left(\Sigma \frac{C_i}{MPC_i}\right)_T$ for all diluted effluent stream, T, discharged into the environment.

3) Ratio 1) to 2) above to compute the MRP for each release point j.

4) Repeat steps 1) through 3) for each of the site's six liquid release points.

Normally no more than one tank is lined up for sampling or release simultaneously. But in case of an accident, combined liquid effluent discharges through radiation monitor R-18 (RRC-285), i.e., two or more tank leakages or discharges from either the Condensate (Monitor) Tanks (CT), Laundry and Hot Shower Tanks (L), and Monitor Tanks (MT), equation (I-3) is rewritten as follows to accomodate each subsystem's effluent flow rate (f):

$$F \geq [(\Sigma \frac{C_i}{MPC_i} f_{CT}) + (\Sigma \frac{C_i}{MPC_i} f_L) + (\Sigma \frac{C_i}{MPC_i} f_{MT})] \quad \text{(I-5)}$$

The condition for an acceptable single or combined release from one or more subsystems is met if equation (I-3) and I-5) are satisfied. If this condition cannot be met, the intended discharges can proceed only if any one of the following conditions (1), (2), or (3) are satisfied:

(1) Increase the minimum dilution flow rate, F, while maintaining a constant effluent flow rate, f.

(2) Decrease the maximum effluent flow rate, f, while maintaining a constant dilution flow rate F.

(3) Reprocess liquid effluents as is necessary.

For the purpose of transposing the alarm set-point, c, in μCi/ml, to the average reading, in cpm on the liquid effluent monitor, for the radiation monitor R-18 (Tag No. RRC-285) calibration curve shown in Information Sheet 3.11 will be used.

In case of the waste disposal liquid monitor, the efficiency of the monitor is the concentration of the equivalent radionuclide, which was used for calibration, in μCi/ml that corresponds with the monitor reading, in cpm.

For any releases, the total concentration of gamma emitters mixture, in uCi/ml, is transposed to the monitor reading, in cpm, using the relative detector efficiency (E) compared to that for the equivalent radionuclide.

$$E = \text{Relative detector efficiency} = \frac{\text{Efficiency for } \gamma\text{-energy G}}{\text{Efficiency for the equivalent radionuclide}} \quad \text{(I-6)}$$

G = is the weighted γ-energy per disintegration for the mixture.

$$= \Sigma \frac{(\text{Isotope concentration})\ (\text{Effective } \gamma\text{-energy/dist.})}{\text{Total concentration}} \quad \text{(I-7)}$$

The efficiency factor E can be obtained from the monitor energy calibration curve, Information Sheet 3.12. Information Sheet 3.7 presents isotopic effective gamma energy per disintegration and their respective MPC's for a selected group of radionuclides.

If no discharges are planned through this liquid effluent radiation monitor R-18 (Tag No. RRC-285), the monitor set-point will be set (References 2.6 & 2.7) as close to the ambient background radiation level as practicable to prevent inadvertant releases, but yet high enough to prevent spurious alarms.

4.3.2 Steam Generator Blowdown and Blowdown Treatment System (Continuous releases)

a) Steam Generator Blowdown (SGBD)

The radioactive concentration of the S/G Blowdown System effluent lines (Unit 1 or 2) shall be monitored by their respective Radiation Monitors R-19 (Tag No. DRA-300) and R-24 (Tag No. DRA-353) in the blowdown waste treatment system. Using equation (I-4), the alarm setpoints, c_{SGBD}, will be established as follows:

$$c_{SGBD} \leq \frac{CF}{f_{SGBD}}\ (SF)(MRP) \quad \text{(I-8)}$$

Where:

C = the effluent concentration limit 10 CFR 20 for the site, in µCi/ml. The value of C is taken as 1.0×10^{-7} µCi/ml if it is known that I-129, Ra-226 and Ra-228 are not present. See Note b, Table II, column 2, Appendix B, of 10 CFR 20.

f_{SGBD} = the S/G Blowdown effluent flow rate at the radiation monitor, in gpm. Information Sheet 3.6 presents the S/G Blowdown effluent flow rate under normal operation.

F = the dilution rate as estimated prior to the release point in gpm and which varies as a function of the number of operating circulating water pumps. For the S/G Blowdown system, no additional dilution credit is being taken for the S/G blowdown discharge. Information Sheet 3.6 presents the dilution flow rate parameters for each unit.

For the purpose of transposing the alarm setpoint, c, in µCi/ml to its corresponding monitor count rate, in cpm, the radiation monitor calibration curve R-19 (Tag No. DRA-300) shown in Information Sheet 3.13 will be used.

In the event of alarm trip, the S/G Blowdown System will be isolated. If releases are then planned through the S/G Blowdown Treatment System, refer to b) below for the alarm setpoint determination of the S/G Blowdown Treatment System radiation monitor R-24 (Tag No. DRA-353).

b) Steam Generator Blowdown Treatment System (SGBDT)

The radioactive concentration of the S/G Blowdown System effluent lines during the use of the normal blowdown flash tank (Unit 1 or 2) shall be monitored by their respective radiation monitors R-24 (Tag No. DRA-353). Using Equation (I-8), the alarm setpoints will be established as follows:

$$c_{SGBDT} \leq \frac{CF \cdot (SF)\ (MRP)}{f_{SGBDT}} \qquad (I\text{-}9)$$

where:

f_{SGBDT} = the Steam Generator blowdown treatment flow rate in gpm. Use Information Sheet 3.6.

Where all the terms are as previously defined above.

For the purpose of transposing the alarm set-point, c, in μCi/ml to its corresponding monitor count rate, in cpm, the radiation monitor calibration curve for R-24 (Tag No. DRA-353) shown in Information Sheet 3.14 will be used.

In the event of alarm trip, the S/G Blowdown Treatment System will be isolated.

4.3.3 Essential Service Water System (ESW) (Continuous Release)

Since the Containment Spray Heat Exchangers (CSHE) are only used during LOCA, the alarm set-point methodology described below provides a safeguard alarm trip setpoint.

The radioactive concentration of ESW effluents (Unit 1 or 2), shall be monitored by their respective Radiation Monitor, 1R20 (WRA-713) and 1R28 (WRA-717) for Unit 1 and 2R20 (WRA-714) and 2R28 (WRA-718) for Unit 2. Using equation (I-8), the alarm setpoints will be established as follows:

$$c_{ESW} \leq \frac{CF}{f_{CSHE}} (SF) \qquad (I\text{-}10)$$

and where:

f_{CSHE} = the Containment Spray Heat Exchanger effluent flow rate for each exchanger, in gpm. Information Sheet 3.6 presents the CSHE effluent flow rate.

additional dilution credit is taken from the following sources: Control Room Air Conditioning Condensers, Component Cooling Heat Exchangers, and Emergency Generator Diesel Engine Heat Exchangers.

and where the other terms are as previously defined above.

For the purpose of transposing the alarm setpoint, c, in μCi/ml to its corresponding monitor count rate, in cpm, the radiation monitors calibration curves (1R20-WRA713, 2R20-WRA714, 1R28-WRA717, 2R28-WRA718) shown in Information Sheet 3.15, will be used.

In the event of an alarm trip, the CSHE will not be isolated. Each CSHE will be manually sampled to determine the origin and nature of the radioactivity. These steps and other corrective measures will have, as an objective, to minimize radioactive effluent releases into the environment.

4.3.4 Turbine Building Sump System

The Turbine Building Sump effluent line is not equipped with a liquid radiation monitor. An automatic composite sampler is used to determine the effluent activity concentration. The liquid effluents from the Turbine Building Sump System will follow the analysis program given in Table 4.11-1 of the RETS.

4.4 Liquid Effluent Dose Calculations (10CFR50)

For the purpose of Implementing Technical Specification 3.11.1.1, 3.11.1.2 and 3.11.1.3 the cumulative dose contributions from liquid effluents will be determined using the following methodology.

4.4.1 Dose Determination

$$D_o = \Sigma_i \left(A_{io} \sum_{1=1}^{m} \Delta t_1 \, c_{i1} \, F_1\right) \qquad (I\text{-}11)$$

where:

where:

D_o = the cumulative dose commitment to the total body or any organ, o, from the liquid effluents for the total time period Δt, in mrem.

Δt_l = the length of the 1th time period over which C_{il} and F_l are averaged for all liquid releases, in hours.

C_{il} = the average concentration of radionuclide, i, period t_l, from any liquid release, in µCi/ml.

A_{io} = the site related ingestion dose commitment factor to the whole body or any organ, o, for each identified principal gamma and beta emitter listed in RETS Table 4.11-1 in mRem/hr per µCi/ml.

F_l = the near Field average dilution Factor for C_{il} during any liquid effluent release. Defined in 4.4.2.

4.4.2 Dilution Factor Determination

The near Field average dilution factor for C_{il} is defined as follows:

$$F_l = \frac{f_{LWS}}{(F_{CW})\ (AF)} \qquad \text{(I-12)}$$

where:

f_{LWS} = is the sum of actual release effluent path(s) flow rate from all liquid waste management systems discharging into Lake Michigan. The value of f_{LWS} is computed as follows:

$$f_{LWS} = (f_{CT} + f_L + f_{MT} + f_{SGBD} + f_{ESW})$$

$$18{,}122\text{gpm} = 20\text{gpm} + 20\text{gpm} + 150\text{gpm} + 4(108\ \text{gpm}) + 2(8750\ \text{gpm})^*$$

F_{CW} = Circulating water system discharge flow rate based on the number of operating circulating water pumps. (230,000 gpm per pump, see page 8)

AF = Applicable Factor reflecting the mixing effect of the discharge structure. For once-thru-cooling systems, the AF Factor is set equal to 1, from NUREG-0133.

*NOTE: ESW flows vary greatly according to plant/unit status. See paragraph 6.2 of System Description SD.DCC-HP102.

4.4.3 Dose Factor Determination

The site related ingestion dose commitment factor for the total body or critical organ, or, for the maximum exposed individual (adult) is derived using the following equation.

$$A_{io} = K_o(U_w/D_w + U_F \cdot BF_i)\ DF_i \qquad (I\text{-}13)$$

where:

K_o = units conversion factor = 1.14×10^5 = 10^6 pCi/μCi x 10^3 ml/Kg/8760 hr/yr.

U_w = maximum adult water consumption, 730 kg/yr. Table E-5 of R.G. 1.109.

U_F = maximum adult fish consumption, 21 kg/yr. Table E-5 of R.G. 1.109.

BF_i = bioaccumulation factor for radionuclide, i, in fish for fresh water site. See Information Sheet 3.8.

DF_i = dose conversion factor for radionuclide, i, for adults and critical organ, o, in mrem/pCi. From Table E-11 of R.G. 1.109.

D_w = dilution factor at the nearest potable water intake. A value of 2.6 is used for the Lake township intake located approximately 2800

feet SW of the station discharge points. See page V-42 of reference 2.17.

Inserting the usage factors of R.G. 1.109 as appropriately into equation (I-13), the following equation is derived:

$$A_{io} = 1.14 \times 10^5 \ (730/D_W + 21 \ BF_i) \ DF_i \quad (I\text{-}14)$$

The value of A_{io} for those elements listed in Information Sheet 3.8 are tabulated in Information Sheet 3.9.

4.4.4 Shore Line Activities Doses

Based on the D.C. Cook nuclear power plant semi-annual radioactive effluent release reports, it has been shown that the exposures due to swimming and boating activities are less than 1% of the dose due to all liquid effluents. See NRC regulations position C. in Regulatory Guide 1.109. Therefore, only shoreline activities are considered here. Shoreline activities doses, D_{SL}, due to liquid effluents are determined, based on equation (A-6) of R.G. 1.109, using the following methodology:

$$D_{SL} = 1.14 \times 10^7 \ T_i c_{il} W_{LM} M_p U_{ap} DF \sum_{i=1}^{m} \Delta t_1 \ [1 - \exp(-\lambda_i t_b)] \quad (I\text{-}15)$$

where:

D_{SL} = dose due to shore line activities from deposited radionuclides, in mrem.

T_i = radiological half-life of nuclide i, in days.

C_{il} = the average concentration of radionuclide, i, in undiluted liquid effluent, in μCi/ml, during that time period, Δt.

W_{LM} = lake-shore width factor accounting for the geometry of exposure, 0.3, from the Table A-2 R.G. 1.109.

U_{ap} = shore-line usage factor specifying the exposure time for the maximum exposed individual 67 hr/yr, for the teenager, from Table E-5, R.G. 1.109.

DF = external dose factor for standing on contaminated ground for radionuclide i, in mrem/hr per pCi/m^2, from Table E-6, R.G. 1.109.

M_p = mixing ratio expressed as the reciprocal of the dilution factor, D_w, at the point of exposure, dimensionless.

t_b = time period for which sediments are exposed to the contaminated water, in hours, 1.31 x 10^5 hrs (15 years), from Table E-15, R.G. 1.109.

λ_i = radioactive decay constant of nuclide i, in hr^{-1}.

$\sum_{i=1}^{m} \Delta t_i$ = is as previously defined.

$1.14 \times 10^7 = 100 \frac{L}{m^2\text{-}d} \times 10^6 \frac{pCi}{\mu Ci} \times 10^3 \frac{ml}{L} \times \frac{yr}{8760\ hrs}$; derived from equations (A-5) and (A-6) from R.G. 1.109.

4.4.5 Dose Projection

Doses due to liquid releases into unrestricted areas will be projected once per calendar month. Equation (I-11) of Section 4.4.1 is used to project monthly doses based on anticipated or planned liquid effluent discharges.

Anticipated liquid effluent discharges are those discharges which are based on past operations experience and are recurrent. The liquid effluent concentrations for such discharges are based on historical operational experience. Planned liquid effluent discharges are those discharges for which the actual effluent concentration is known, for example, in the case of batch releases. With the anticipated or known effluent concentration, the projected dose is derived using equation (I-11). When projected doses

exceed 0.06 mrem to the total body or 0.2 mrem to any organ, that effluent stream will be treated prior to discharge.

4.5 Gaseous Effluent Wastes

Gaseous effluent wastes, at the Donald C. Cook site, are released to the atmosphere via the following pathways: Plant Unit Vent (2), Condenser Air Ejector System (2), Turbine Gland Seal Condenser Exhaust (2), and the Startup S/G Blowdown Flash Tank Vent (2), (S/G PORV 8).

4.6 Identification of Gaseous Effluent Release Points

4.6.1 Plant Unit Vent (PUV)

The plant unit vent discharges gaseous effluents from the following sources: Waste Gas Decay Tanks; Aux. Building Ventilation; Engineered Safety Features Ventilation; Fuel Handling Ventilation; Containment Purge and Relief Systems; and Instrumentation Room Purge System. The plant vent is equipped with a radiation monitor, Eberline SPING-4 model [Tag No. VRS-1500 (Unit 1), VRS-2500 (Unit 2)], which collects and measures particulates and Iodine-131 and measures the amount of noble gas in the passing effluent from all sources noted above. The particulate channel uses a fixed collection filter, monitored by a beta scintillation detector (for background subtract purposes) on the other side. The Iodine-131 channel uses a charcoal cartridge for collection and is monitored by a gain-stabilized (to minimize the effects of drift caused by fluctuations in temperature and/or aging) 2-inch by 2-inch NaI(Tl) gamma scintillation detector. The effects of a fluctuating noble gas measurement are determined by several detectors viewing a sample volume. These are the low and medium range noble gas detectors which view the same sample volume. A high range noble gas detector utilizes a section of one-inch stainless steel tubing as the sample volume. The Minimum Detectable Activity (MDA) of any radiation channel is ten times the channel's calibration constant. Data less than MDA level are to be considered background levels and insignificant for concentration, exposure rate, or release rate determinations. All channels directly report their data in the units of interest;

e.g., µCi (particulate or iodine channel); µCi/cc (noble gas channel); mR/hr or R/hr (area monitor channel); CFM (flow rate channel) and CPM (most background radiation channels).

4.6.2 Any channel(s) with automatic actuations will initiate those functions upon high alarm. The high radiation alarm occurs when the display value exceeds the high alarm setpoint. Upon a high level alarm, the plant vent effluent monitor, low range noble gas channel (VRS-1505 or VRS-2505) automatically trips and closes the waste gas release valve (RRV-306).

4.6.3 Information Sheet 3.17 presents the characteristics and functions of the plant unit vent effluent radiation monitor VRS-1500 (or VRS-2500). Information Sheet 3.16 schematically presents the gaseous effluent flow paths and components.

4.6.4 The major gaseous effluent source contributors to the plant vent, which are equipped with gaseous radiation monitors, are described individually below.

a) Waste Gas System

The Waste Gas System is shared by both Units #1 and #2, and discharges gaseous effluents from any one of the eight gas decay tanks via the plant vent. Before the content of gas decay tank is released to the environment, it must be sampled and analyzed. The tank content is discharged at a controlled rate to the plant vent through a flow regulator (RRV-305), isolation valve (RRV-306), and radiation monitor R-21 (Tag No. RRA-300). The Waste Gas System radiation monitor R-21 (Tag No. RRA-300) is used for indication only. VRS-1505, 2505 (see 4.6.1) are the controlling radiation monitors for releases from the waste gas system.

b) Containment Purge and Exhaust Systems

The Containment Purge System discharges gaseous effluents via the plant vent only periodically, during refueling outage and during Containment pressure relief,

and is monitored by the plant vent radiation noble gas channel (VRS-1505 or VRS-2505). For the Containment system, the Lower Containment atmosphere is sampled by radiation monitors, Eberline SPING-4 model [Tag No. ERS-1300, ERS-1400 (Unit 1); ERS-2300, ERS-2400 (Unit 2)]. The Upper Containment area is monitored by normal range area monitors [Tag No. VRS-1101, VRS-1201 (Unit 1); VRS-2101, VRS-2201 (Unit 2)]. A high radiation alarm occurs when the display value exceeds the high alarm setpoint. The airborne or area monitor then automatically trips and isolates the Containment Purge and Exhaust System. Complete trip of all isolation control devices requires high alarm of one of the two Train A monitors (ERS-1300/2300 or VRS-1101/2101) and one of the two Train B monitors (ERS-1400/2400 or VRS-1201/2201).

Information Sheets 3.17 - 3.20 present the characteristics and functions of these Containment radiation and area monitors and lists those valves which are closed on a high alarm signal. [NOTE: Exceeding the high alarm setpoint will occur prior to exceeding the Technical Specification limits.] The setpoints for these monitors are contained in the Plant Technical Specifications, Appendix A.

4.6.5 Steam Jet Air Ejector System

Steam Jet Air Ejector effluents are non-condensable gases discharged locally to the environment via radiation monitor, Eberline SPING-4 models [Tag No. SRA-1900 (Unit 1), SRA-2900 (Unit 2)]. A high alarm is actuated on these monitors when channel values exceed channel high alarm setpoints. The Condenser Air Ejector effluent flow is monitored by a recorder and a local sampling point is provided. Information Sheet 3.21 presents the characteristics and functions of the Condenser Air Ejector System radiation monitor. Information Sheet 3.16 schematically presents the condenser air ejector effluent flow path and components.

4.6.5 Gland Seal Condenser Exhaust

The Gland Seal Condenser effluents are non-condensable gases that are discharged to the environment through a local exhaust and are monitored via radiation monitor Eberline SPING-4 [Tag No. SRA-1800 (Unit 1), SRA-2800 (Unit 2)]. An alarm is actuated on these monitors when channel values exceed channel high alarm setpoints. The Gland Seal Condenser effluent flow is monitored by a recorder and a local sampling point for grab samples is provided.

Information Sheet 3.22 presents the characteristics and functions of the Gland Seal Condenser Exhaust radiation monitor. Information Sheet 3.16 schematically presents the Gland Seal Condenser effluent flow path and components.

4.6.6 S/G Blowdown System (Start-up Flash Tank Vent)

The S/G Blowdown System discharges steam and non-condensable gases to the environment via the S/G Start-up Flash Tank Vent. Information Sheet 3.16 schematically presents the gaseous effluent flow paths and start-up flash system components. The determination of the release rate and offsite doses due to radioiodines, via the start-up flash tank vent, are provided in Section 4.8.3.

4.7 Alarm Setpoint Determination

For the purpose of implementing Technical Specifications 3.3.3.10 and 3.11.2.1, instantaneous concentration limits, the alarm setpoints for gaseous effluents released into unrestricted areas will be established using the following methodology. In addition, the gaseous effluent Technical Specifications do not apply to instantaneous alarm and trip setpoints for integrating radiation monitors sampling radioiodines, radioactive materials in particulate form and radionuclides other than noble gases. The calculated high level alarm and release termination setpoint adjustments may be established at lower values than the calculated values, if so desired. Information Sheet 3.23 presents the effluent flow rate parameter.

4.7.1 Plant Unit Vent

The gaseous effluents discharged from the plant vent will be monitored by the plant vent radiation monitor low range noble gas channel [Tag No. VRS-1505 (Unit 1), VRS-2505 (Unit 2)] to assure that alarms and trip actions (isolation of gaseous release) will occur prior to exceeding the Technical Specifications noted above. The alarm setpoint values will be established using the following equation:

$$S_p = \frac{(SF)(MRP)(DL_j)}{F_p \overline{X/Q} \sum_i DCF_{ij}} \qquad \text{(II-1)}$$

where:

S_p = the maximum setpoint of the monitor in μCi/cc for release point p, based on the most limiting organ.

SF = an operating safety factor, ≤1.0. (see page 9)

MRP= a weighed multiple release point factor (<1.0), such that when all site gaseous releases are integrated, the applicable dose will not be exceeded based on the release rate of each effluent point. The MRP will be based on the release rate or the volumetric flow rate of each effluent point to the total respective value and will be consistent with past operational experience. The MRP is computed as follows:

1) compute the average release rate, Q_p, (or the volumetric flow rate, fp) from each release point p.

2) compute ΣQ_p (or Σf_p) for all release points.

3) ratio $Q_p/\Sigma Q_p$ (or $f_p/\Sigma f_p$) for each release point. This ratio is the MRP for that specific release point.

4) repeat 1) through 3) for each of the site's eight gaseous release points.

F_p = the maximum volumetric flow rate of release point p, at the time of the release in cc/sec. The maximum Unit Vent flow rate, by design, is 159,600 cfm for Unit 1 and 123,500 cfm for Unit 2.

DL_j = dose rate limit to organ j in an unrestricted area required to limit the dose to the applicable limit (mrem/yr).

Based on continuous releases, the dose rate limits, DL_j, from Tech. Spec. 3.11.2.1, are as follows:

Total Body	$\leq$ 500 mRem/year
Skin	$\leq$ 3000 mRem/year
Any Organ	$\leq$ 1500 mRem/year

$\overline{\chi/Q}$ = the annual average relative concentration in the applicable sector or area, in sec/m^3 (see Information Sheet 3.24), the worst sector for χ/Q value in the north sector is $9.0 \cdot x\ 10^{-6}$ sec/m^3 at the site boundary (Page V-40 D. C. Cook FES, August 1973). The χ/Q values will be re-evaluated on an annual basis. The re-evaluation will include determination of the worst sector, and the Offsite Dose Calculation Manual and the Gaseous Release Program will be modified accordingly (see Information Sheet 3.37).

DCF_{ij} = dose conversion factor which is used to relate radiation dose to organ j, from exposure to radionuclide i. See Equations II-2 to II-4 in mRem/yr per $\mu Ci/m^3$.

The dose conversion factor, DCF_{ij}, is dependent upon the organ of concern.

For the whole body:

$$DCF_{ij} = K_i \qquad \text{(II-2)}$$

where:

K_i = whole body dose factor due to gamma emissions for each identified noble gas radionuclide in mRem/yr per $\mu Ci/m^3$. See Information Sheet 3.26.

For the skin:

$$DCF_{ij} = L_i + 1.1\ M_i \qquad \text{(II-3)}$$

where:

L_i = skin dose factor due to beta emissions for each identified noble gas radionuclide, in mRem/yr per $\mu Ci/m^3$. See Information Sheet 3.26.

1.1= the ratio of tissue to air absorption coefficient over the energy range of photons of interest. This ratio converts dose (mRad) to dose equivalent (mRem).

M_i = the air dose factor due to gamma emissions for each identified noble gas radionuclide in mRad/yr per $\mu Ci/m^3$. See Information Sheet 3.26.

For the thyroid, via inhalation:

$$DCF_{ij} = P_i \qquad \text{(II-4)}$$

where:

P_i = the dose parameter, for radionuclides other than noble gas, for the inhalation pathway in mRem/yr per $\mu Ci/m^3$. See Information Sheet 3.27.

The plant vent radiation monitor low range noble gas channel setpoint, Sp, will be set such that the dose rate in unrestricted areas to the whole body, skin and thyroid (or any other organ), whichever is most limiting, will be less than or equal to 500 mRem/yr, 300 mRem/yr, and 1500 mRem/yr, respectively. The thyroid dose is limited to the inhalation pathway only. The plant vent radiation monitor low range noble gas channel setpoint, Sp, will be recomputed whenever gaseous releases from the Containment and gas decay tanks are discharged through the plant vent to redetermine the most limiting organ. The setpoint, Sp, may be established at less concentration level than the lowest computed value via equation II-1.

At certain times, it may be desirable to increase the setpoint, if the vent flowrate is decreased and this may be accomplished in one of two ways.

a) $\frac{\text{(Max. Concentration-µCi/cc)(Max. Flowrate-cfm)}}{\text{(New Max. Concentration-µCi/cc)}}$

= New Max. Flowrate in cfm

b) $\frac{\text{(Max. Flowrate-cfm)(Max. Concentration µCi/cc)}}{\text{(New Max. Flowrate-cfm)}}$

= New Max. Concentration in µCi/cc

4.7.2 Waste Gas System Decay Tanks

The gaseous effluents discharged or leakage from the Waste Gas System will be monitored by the waste gas radiation monitor R-21 (Tag No. RRA-300).

The waste gas radiation monitor alarm setpoint will be set as close to the ambient background radiation level as practicable to monitor any inadvertant releases through this pathway from any of the gas decay tanks, if no discharges are planned, but yet high enough to prevent spurious alarms (2x background, References 2.6 & 2.7).

The automatic termination of release from the Waste Gas System will be initiated from the plant vent radiation monitor low range noble gas channel (VRS-1505 or VRS-2505). Therefore, for any gaseous release configuration, which include normal operation and waste gas system gaseous discharges, the alarm setpoint of the plant vent radiation monitor will be recomputed to determine the most limiting organ based on all gaseous effluent source terms.

4.7.3 Containment Purge and Exhaust System

The gaseous effluents discharged by the Containment Purge and Exhaust Systems and Instrumentation Room Purge and Exhaust System will be monitored by the plant vent radiation monitor noble gas channels (VRS-1505 for Unit 1, VRS-2505 for Unit 2); and alarms and trip actions will occur prior to exceeding the Technical Specifications noted in 4.7.1.

For the Containment System, continuous air sample from the Containment atmosphere is drawn through a closed, sealed system to the radiation monitors (Tag No. ERS-1300/1400 for Unit 1 and ERS-2300/2400 for Unit 2). The sample is constantly mixed in the fixed, shielded volume, where it is viewed by the monitor detector. The sample is then returned back to the Containment. Grab sample analysis is also performed for a Containment purge before release.

The Upper Containment area is also monitored by normal range area gamma monitors (Tag No. VRS-1101/1201 for Unit 1 and VRS-2101/2201 for Unit 2), which also give Purge and Exhaust Isolation Trip signals upon actuation of their high alarm.

For the Containment Pressure Relief System, no sample is routinely taken.

The Containment airborne and area monitors, upon actuation of their high alarm, will automatically initiate closure of the Containment and Instrument Room purge supply and exhaust duct valves and Containment pressure relief system valves. Complete trip of all isolation control devices requires high alarm of one of the two Train A monitors (ERS-1300/2300 or VRS-1101/2101) and one of the two Train B monitors (ERS-1400/2400 or VRS-1201/2201).

4.7.4 Condenser Air Ejector System

The gaseous effluents from the Condenser Air Ejector System discharged to the environment are continuously sampled by radiation monitor (Tag No. SRA-1900 for Unit 1 and SRA-2900 for Unit 2). The monitor will alarm prior to exceeding the Technical Specifications noted in 4.7.1. The alarm setpoint for the Condenser Air Ejector System monitor will be based on the maximum air ejector exhaust flow rate, by design (200 cfm). The alarm setpoint value will be established using the following equations:

$$S_{CAES} = \frac{(SF)(MRP)(DL_j)}{F_p \ \overline{X/Q} \ \sum_i DCF_{ij}} \qquad \text{(II-5)}$$

where:

S_{CAES} = the maximum setpoint for the Condenser Air Ejector System radiation monitor, based on the most limiting organ, in µCi/cc.

and where the other terms are as previously defined. See equations II-1 through II-4.

4.7.5 Gland Seal Condenser Exhaust (GSCE)

The gaseous effluents from the Gland Seal Condenser Exhaust discharged to the environment are continuously sampled by radiation monitor (Tag No. SRA-1800 for Unit 1 and SRA-2800 for Unit 2). The radiation monitor will trip an alarm prior to exceeding the Technical Specifications noted in 4.7.1. The alarm setpoint for the GSCE monitor will be based on the maximum condenser exhaust flow rate (1260 CFM Unit 1, 2754 CFM each for the two Unit 2 vents). The alarm setpoint value will be established using the following equations:

$$S_{GSCE} = \frac{(SF)(MRP(DL_{ij})}{F_p \overline{X/Q} \sum_i DCF_{ij}} \qquad \text{(II-6)}$$

where:

S_{GSCE} = the maximum setpoint for the Gland Seal Condenser Exhaust radiation monitor, based on the most limiting organ, in µCi/cc.

and where the other terms are previously defined. See Equations II-1 through II-4.

4.8 Gaseous Effluent Dose Calculations(10CFR50)

For the purpose of implementing Technical Specification 3.11.2.2, 3.11.2.3 and 3.11.2.4, the cumulative dose commitment due to gaseous effluents will be determined using the following methodology.

4.8.1 Noble Gases Air Dose

The air dose in unrestricted areas due to noble gases, for gamma and beta emitters, D_{AG}

and D_{AB}, respectively, will be determined as follows:

a) Gamma Radiation

$$D_{AG} = 3.17 \times 10^{-8} \Sigma M_i \overline{X/Q} Q_{ic} \quad \text{(II-7)}$$

b) Beta Radiation

$$D_{AB} = 3.17 \times 10^{-8} \Sigma N_i \overline{X/Q} Q_{ic} \quad \text{(II-8)}$$

where:

M_i = air dose factor due to gamma emissions for each identified noble gas radionuclide, in mrad/yr per $\mu Ci/m^3$. See Information Sheet 3.26.

N_i = air dose factor due to beta emissions for each identified noble gas radionuclide in mrad/yr per $\mu Ci/m^3$. See Information Sheet 3.26.

$\overline{X/Q}$= the annual average relative concentration in the applicable section or area, in sec/m^3. See Information Sheet 3.24 for those critical sector locations.

Q_{ic} = the cumulative release of noble gas radionuclide in gaseous effluents from all release points over the calendar quarter or year, in μCi.

3.17×10^{-8} = inverse of the number of seconds per year.

The air doses due to either gamma or beta emissions, once calculated using equation (II-7) and (II-8) will be compared for compliance to the limiting condition for operation as specified in Technical Specification 3.11.2.2 for the current calendar quarter and calendar year.

4.8.2 Radioiodine and Radioactive Particulate Doses.

The dose, D_{IP} to an individual from radioiodines, radioactive materials in particulate form, and radionuclides other than noble gases with half-lives greater than 8 days in gaseous, effluents released to unrestricted areas will be determined as follows:

$$D_{IP} = 3.17 \times 10^{-8} \Sigma R_i W Q_{ic} \qquad \text{(II-9)}$$

where:

R_i = dose factor for each identified radionuclide i, in m^2 (mrem/yr) per µCi/sec (for food and ground pathway) or mRem/yr per $\mu Ci/m^3$ (for inhalation pathway), for the appropriate pathway. For sectors with existing pathways within 5 miles from the site, use the values of R_i for these real pathways. If no real pathway exists within 5 miles from the site, use the cow milk R_i for the critical age group, infant or child, assuming that this pathway exists at the 4 to 5 mile distance in the worst sector. If the R_i value for an existing pathway within 5 miles is less than the cow milk pathway at 4 to 5 miles, then use the cow milk pathway R_i value at 4 to 5 miles. See Information Sheets 3.28 through 3.31 for each specific age group and exposure pathway. Information Sheet 3.32 presents maximum R_i values for the most controlling age group for selected radionuclides. R_i values generated by computer code PARTS, see NUREG-0133, Appendix D.

w = the atmospheric dispersion parameters for estimating doses to an individual at the worst case location, and where W is further defined as:

$W_{in} = \overline{X/Q}$ for the inhalation pathway, in sec/m^3.

$W_{fg} = \overline{D/Q}$ for the food and ground pathways, in $1/m^2$.

See Information Sheets 3.24 and 3.25 for those critical receptor locations.

and Q_{ic} is as previously defined above.

The individual doses from radioiodines and radioactive materials in particulate forms, and radionuclides other than noble gases, once calculated using equation II-9, for the appropriate exposure pathway, will be compared for compliance to the limiting condition for operation as specified in Technical Specification 3.11.2.3 for the current calendar quarter and calendar year.

4.8.3 Steam Generator Blowdown System (Start-up Flash Tank Vent)

The release of radioiodine(s) via the Start-up Flash Tank Vent must comply with Technical Specification 3.11.2.3. The estimation of the dose to be released must be calculated once every 31 days prior to the use of the Start-up Flash Tank, for the next 31 day period. The dose estimate will be derived from the measured concentration of I-131 in the secondary coolant system. The concentration of I-131 will be determined using equation (II-10). The concentration will be set to the quarterly dose available for the calendar quarter, and a continuous use of the Start-up Flash Tank for a period of 31 days. The allowable concentration of I-131 will be recalculated after the 31 day cumulative dose summary as per Technical Specification 4.11.2.3. The secondary coolant will be sampled as per Technical Specification 4.7.1.4. The calculation of the I-131 concentration is used to verify that the annual average concentration in air for I-131, in unrestricted areas, will not exceed the dose limit. For a specific release pathway, the equation II-9 is rewritten as follows:

$$DL_I = 3.17 \times 10^{-8} R_I Q_{IC} W \qquad \text{(II-10)}$$

where:

DL_I = the dose limit to an individual from radioiodines, i.e., 7.5 mRem per calendar quarter or 15 mRem per calendar year to any organ.

3.17×10^{-8} = inverse of the number of second per year.

R_I = inhalation dose factor of I-131 for infant or child in (mrem/yr) per $\mu Ci/m^3$ for this specific pathway. See Information Sheets 3.28 and 3.29.

W = X/Q for the inhalation pathway sec/m^3. See Information Sheet 3.24.

Q_{IC} = the cumulative release of I-131 in gaseous effluents from this release point over the calendar quarter or year, in µCi. The valve of Q_{IC} is computed as follows:

$$Q_{IC} = (C_I)(IPF)(MRP)(R_{SGB})(T) \quad (II\text{-}12)$$

where:

C_I = the I-131 concentration of the secondary coolant in µCi/ml.

MRP = a multiple release point factor, such that when all gaseous releases are integrated, the applicable dose rates will not be exceeded. See Section 4.7.1.

IPF = the iodine partition factor for the Start-up Flash Tank. A value of 0.05 is assumed as per NUREG-0017.

R_{RGB} = the Steam Generator Blowdown rate to the Start-up Flash Tank, in ml/sec.

T = duration of release through the Start-up Flash Tank Vent, in seconds.

when the values for Q_{IC} are inserted, and then the equation is rewritten to solve for concentration of I-131 as follows:

$$C_I = \frac{DL_I}{3.17 \times 10^{-3}\ R_I(IPF)(MRP)(RSGB)(T)(W)} \quad (II\text{-}11)$$

4.8.4 Dose Projection

Doses due to gaseous releases into unrestricted areas will be projected once per calendar month. Equations (II-7, II-8, and II-9) of Sections 4.8.1 and 4.8.2 are used to project monthly doses based on anticipated or planned gaseous effluent discharges. Anticipated gaseous effluent discharges are those discharges which are based on past operations experience and are recurrent. The gaseous effluent concentrations for such discharges are based on historical operational experience. Planned gaseous effluent discharges are those discharges for which the actual effluent concentration is known, for example, in the case of batch releases. With the anticipated or known effluent concentration, the projected dose is derived using equations (II-7, II-8 and II-9). When projected doses exceed 0.2 mRad for gamma radiation, or 0.4 mRad for beta radiation or 0.3 mRem to any organs, that effluent stream will be treated prior to discharge.

4.9 Radioactive Effluents Total Dose

For the purpose of implementing Technical Specification 3.11.4, the cumulative dose contributions from liquid and gaseous effluents will be determined by summing the cumulative doses as derived in Sections 4.4 and 4.8 of this procedure. Dose contribution from direct radiation exposure will be based on the results of the direct radiation monitoring devices located at the environmental monitoring stations. See NUREG-0133, Section 3.8.

4.10 Radiological Environmental Monitoring

For the purpose of implementing Technical Specifications, 4.12.1, Surveillance Requirements, the radiological environmental monitoring samples will be collected at the locations as shown in Information Sheets 3.34-3.36 and location codes shown in Information Sheet 3.33.

4.11 Meteorological Model

The meteorological model used to estimate the atmospheric dispersion and deposition parameters at the Donald C. Cook Nuclear Plant is based on the guidance provided in Regulatory Guide 1.111 for routine release. More specifically, each release point is considered separately so that the height of release, level, building wake conditions and vent characteristics are accounted for. All calculations use the Gaussian plume model.

4.12 Reporting/Management Review

4.12.1 Any changes to this procedure must be incorporated in the semi-annual effluent report.

4.12.2 This procedure must be updated when the Radiation Monitoring System, its instruments, or the specifications of instruments are changed.

4.12.3 This procedure must be reviewed or revised as appropriate based on the results of the land use census and Environmental Radiological Monitoring Program.

4.12.4 Schedule: This procedure is effective upon date of issue.

CHARACTERISTICS AND FUNCTIONS OF THE RADIATION MONITOR

RRC-285 (R-18)

ALARM LOCATION	CONTROL ROOM
MONITOR DESCRIPTION	LIQUID RADWASTE EFFLUENT LINE INLINE LIQUID SAMPLE DETECTOR
LOCATION	STN. LIQUID WASTE
POWER SOURCE	120 VAC, DIST. CABINET CCRP-2, CIRC-20 CHECK SOURCE, ASSEMBLY SUPPLIED FROM CCRP-2, CIRC.22
SCALE	5 DECADES
RANGE	3E-5 to 3E0 µCi/cc
IDENTIFICATION NUMBER	(R-18)
EFFLUENT ISOLATION CONTROL DEVICE	DISCHARGE VALVE RRV-285 CLOSES. TRIPS WASTE EVAPORATOR CONDENSATE TANK PUMPS AND MONITOR TANK PUMPS
LOCATION OF DEVICE	LIQUID WASTE DISCHARGE LINE
POWER SOURCE	N/A
IDENTIFICATION NUMBER	RRV-285

CHARACTERISTICS AND FUNCTIONS OF THE RADIATION MONITOR

DRA-300 (R-19)

ALARM LOCATION	CONTROL ROOM
MONITOR DESCRIPTION	STEAM GENERATOR BLOWDOWN EFFLUENT LINE INLINE LIQUID SAMPLE DETECTOR
LOCATION	ESW - EFFLUENT LINE
POWER SOURCE	120 VAC, DIST. CABINET CCRP-2, CIRC-20 CHECK SOURCE, ASSEMBLY SUPPLIED FROM CCRP-2, CIRC.22 (for each unit)
SCALE	5 DECADES
RANGE	2.4E-6 to 2.4E-1 μCi/cc
IDENTIFICATION NUMBER	(R-19)
EFFLUENT ISOLATION CONTROL DEVICE	BLDG. ISOLATION DCR-310, DCR-310, DCR-330, DRV-350, DCR-340; S.G. BLDN SAMPLE ISO. VLV. 302, 303, 304
LOCATION OF DEVICE	S.G. BLDN EFFLUENT LINE
POWER SOURCE	N/A
IDENTIFICATION NUMBER	

CHARACTERISTICS AND FUNCTIONS OF THE RADIATION MONITOR

DRA-353 (R-24)

ALARM LOCATION	CONTROL ROOM
MONITOR DESCRIPTION	STEAM GENERATOR BLOWDOWN TREATMENT EFFLUENT LINE INLINE LIQUID SAMPLE DETECTOR
LOCATION	SG BLDN TREATMENT EFFLUENT LINE*
POWER SOURCE	120 VAC, DIST. CABINET CCRP-2, CIRC-20 CHECK SOURCE, ASSEMBLY SUPPLIED FROM CCRP-2, CIRC.22. (for each unit)
SCALE	5 DECADES
RANGE	1.4E-6 to 1.3E-1 μCi/cc
IDENTIFICATION NUMBER	(R-24)
EFFLUENT ISOLATION CONTROL DEVICE	BLDG. ISOLATION DCR-310, DCR-320, DCR-330, DCR-340, DRV-350 S.G. BLDN SAMPLE ISO. VLV. DCR-301, 302, 303, 304
LOCATION OF DEVICE	
POWER SOURCE	PNEUMATIC
IDENTIFICATION NUMBER	

*NOTE: Placed inline between the second and third blowdown waste treatment demineralizers.

CHARACTERISTICS AND FUNCTIONS OF THE RADIATION MONITOR

WRA-713 and WRA-714 (R-20)

ALARM LOCATION	CONTROL ROOM
MONITOR DESCRIPTION	SERVICE WATER SYSTEM EFFLUENT LINE (ESSENTIAL SERVICE WATER)
LOCATION	ESW - EFFLUENT LINE TEE INLINE LIQUID SAMPLE DETECTOR
POWER SOURCE	120 VAC, DIST. CABINET CCRP-2, CIRC-20 CHECK SOURCE, ASSEMBLY SUPPLIED FROM CCRP-2, CIRC.22. (for each unit)
SCALE	5 DECADES
RANGE	2.4E-6 to 2.2E-1 µCi/cc
IDENTIFICATION NUMBER	(R-20)
EFFLUENT ISOLATION CONTROL DEVICE	NONE
LOCATION OF DEVICE	
POWER SOURCE	N/A
IDENTIFICATION NUMBER	--

CHARACTERISTICS AND FUNCTIONS OF THE RADIATION MONITOR

WRA-717 and WRA-718 (R-28)

ALARM LOCATION	CONTROL ROOM
MONITOR DESCRIPTION	SERVICE WATER SYSTEM EFFLUENT LINE (ESSENTIAL SERVICE WATER) TEE INLINE LIQUID SAMPLE DETECTOR
LOCATION	ESW LINE
POWER SOURCE	120 VAC, DIST. CABINET CCRP-2, CIRC-20 CHECK SOURCE, ASSEMBLY SUPPLIED FROM CCRP-2, CIRC.22. (for each unit)
SCALE	5 DECADES
RANGE	2.4E-6 to 2.2E-1 µCi/cc
IDENTIFICATION NUMBER	(R-28)
EFFLUENT ISOLATION CONTROL DEVICE	NONE
LOCATION OF DEVICE	--
POWER SOURCE	N/A
IDENTIFICATION NUMBER	

PLANT LIQUID EFFLUENT PARAMETERS

	SYSTEM	COMPONENTS TANKS	COMPONENTS PUMPS	CAPACITY (EACH)	FLOW RATE (EACH)
I	Waste Disposal System				
	+ Chemical Drain Tank	1	1	600 GAL.	20 GPM
	+ Laundry & Hot Shower Tanks	2	1	600 GAL.	20 GPM
	+ Monitor Tanks	2	2	21,600 GAL.	150 GPM
	+ Waste Holdup Tanks	2		25,000 GAL.	
	+ Waste Evaporators	1			30 GPM OR 15 GPM
	+ Waste Evaporator Condensate Tanks	2	2	6,450 GAL.	150 GPM
II	Steam Generator Blowdown and Blowdown Treatment Systems				
	+ Start-up Flash Tank (Vented)	1		1,800 GAL.	
	+ Normal Flash Tank (Not Vented)	1		525 GAL.	4 x 108 GPM
	+ Blowdown Treatment Pump		1		60 GPM
	+ Blowdown Heat Exchanger (One)				160 GPM
	+ Demineralizers (Three)				25 GPM
III	Essential Service Water System				
	+ Water Pumps	4			10,000 GPM
	+ Heat Exchanger Valve (One)*				3,300 GPM
IV	Circulating Water Pumps		3 (Unit 1) 4 (Unit 2)		230,000 GPM

*NOTE: This is an automatic throttle position, may be adjusted as required.

EFFECTICE GAMMA ENERGY PER DISINTEGRATION AND MPC OF SELECTED RADIONUCLIDES

ISOTOPE	MPC	EFFECTIVE γ-ENERGY/DIS
I-131	3×10^{-7}	.3710
Cs-137	2×10^{-5}	.5627
Cs-134	9×10^{-6}	$.1591 \times 10^{1}$
Co-60	3×10^{-5}	$.2505 \times 10^{1}$
Co-58	9×10^{-5}	.9770
Cr-51	2×10^{-3}	$.2880 \times 10^{-1}$
Mn-54	1×10^{-4}	.8350
Zn-65	1×10^{-4}	.5640
H-3	3×10^{-3}	-
I-133	1×10^{-6}	.4770
Na-24	3×10^{-5}	$.4126 \times 10^{1}$
Co-57	3×10^{-4}	.1230
Nb-95	1×10^{-4}	.7650
Zr-97	5×10^{-4}	.68724
Cs-136	9×10^{-5}	.2228
Ag-110M	3×10^{-4}	$.2500 \times 10^{1}$
Zr-95	6×10^{-5}	.7299
GROSS ALPHA	3×10^{-8}	-
GROSS BETA	3×10^{-6}	-

BIOACCUMULATION FACTOR FOR FRESHWATER FISH

(pCi/Kg PER pCi/LITER)[1]

ELEMENT	BF_i	ELEMENT (con't)	BF_i
H	9.0E-01	NB	3.0E 04
C	4.6E 03	MO	1.0E 01
NA	1.0E 02	TC	1.5E 01
P	1.0E 05	RU	1.0E 01
CR	2.0E 02	RH	1.0E 01
MN	4.0E 02	TE	4.0E 02
FE	1.0E 02	I	1.5E 01
CO	5.0E 01	CS	2.0E 03
NI	1.0E 02	BA	4.0E 00
CU	5.0E 01	LA	2.5E 01
ZN	2.0E 03	CE	1.0E 00
BR	4.2E 02	PR	2.5E 01
RB	2.0E 03	ND	2.5E 01
SR	3.0E 01	W	1.2E 03
Y	2.5E 01	NP	1.0E 01
ZR	3.3E 00		

[1]Extracted from Table A-1 of Regulatory Guide 1.109, Rev. 1, 1977.

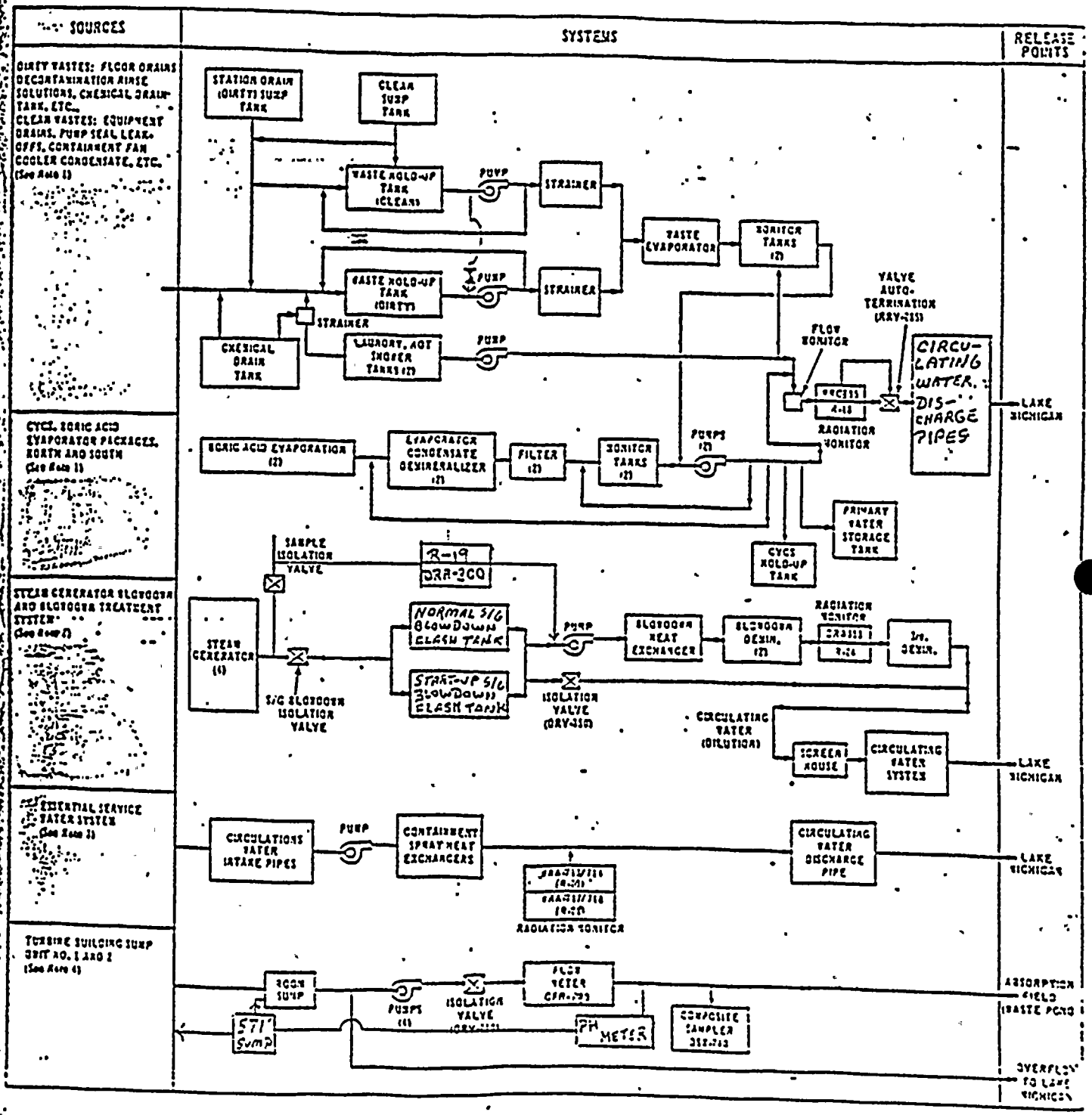
SITE RELATED INGESTION DOSE COMMITMENT FACTOR[1]

(MREM/HR. PER μCi/ML)

RADIONUCLIDE[2]	W-BODY	CRITICAL ORGAN	
H-3	3.59E0	3.59E0	ALL
CR-51	1.36E0	3.42E2	GI-LLI
MN-54	8.63E2	1.39E4	GI-LLI
FE-55	1.20E2	7.46E2	BONE
FE-59	1.06E3	9.23E3	GI-LLI
CO-58	2.53E2	2.29E3	GI-LLI
CO-60	7.16E2	6.10E3	GI-LLI
ZN-65	3.35E4	7.42E4	LIVER
RB-86	4.74E4	1.02E5	LIVER
SR-89	8.19E2	3.20E4	BONE
SR-90	1.93E5	7.87E5	BONE
Y-91	3.46E-1	7.13E-3	GI-LLI
ZR-95	2.63E-1	1.23E3	GI-LLI
ZR-97	6.13E-3	4.19E3	GI-LLI
NB-95	1.34E2	1.51E6	GI-LLI
MO-99	4.59E1	5.59E2	GI-LLI
RU-103	4.46E0	1.21E3	GI-LLI
RU-106	1.95E1	9.96E3	GI-LLI
AG-110M	3.23E0	2.22E3	GI-LLI
TE-125M	3.55E2	1.08E4	KIDNEY
TE-127M	8.16E2	2.72E4	KIDNEY
TE-131M	6.98E2	8.31E4	GI-LLI
TE-132	1.51E3	7.63E4	GI-LLI
I-131	2.32E2	1.32E5	THYROID
I-133	5.11E1	2.47E4	THYROID
CS-134	5.83E5	7.13E5	LIVER
CS-136	8.92E4	1.24E5	LIVER
CS-137	3.44E5	5.25E5	LIVER
BA-140	5.53E1	1.74E3	GI-LLI
LA-140	3.06E-2	8.50E3	GI-LLI
CE-141	2.47E-2	8.23E2	GI-LLI
CE-143	4.64E-3	1.57E3	GI-LLI
CE-144	9.01E-1	5.68E3	GI-LLI
NP-239	3.61E-3	1.34E3	GI-LLI

[1]Derived from Equation (1-14). Parameters obtained from Tables A-1 & E-11 or R-G 1.109.

[2]Radionuclides with half-lives <8 days decayed 12 hr. and 24 hr. for the water & fish/invertebrate ingestion pathways, respectively.



LIQUID EFFLUENT RELEASE SYSTEMS

NOTES

NOTE 1: Drawings: OP-12-5119-0, -5123B-1, -5133-1, -5134-0, -5138-0, -5138A-0, 1-5661-0, -2-5661-0.

System Descriptions: SD-DCC-CH113, -NE101, -HP119.

NOTE 2: Drawings: OP-12-5105-0, -5105B-0, -5141-1, -5141A-0, -5119-0, -5125-2, -1-5661-0, -2-5661-0.

System Descriptions: SD-DCC-CH114, -NE101, -HP119.

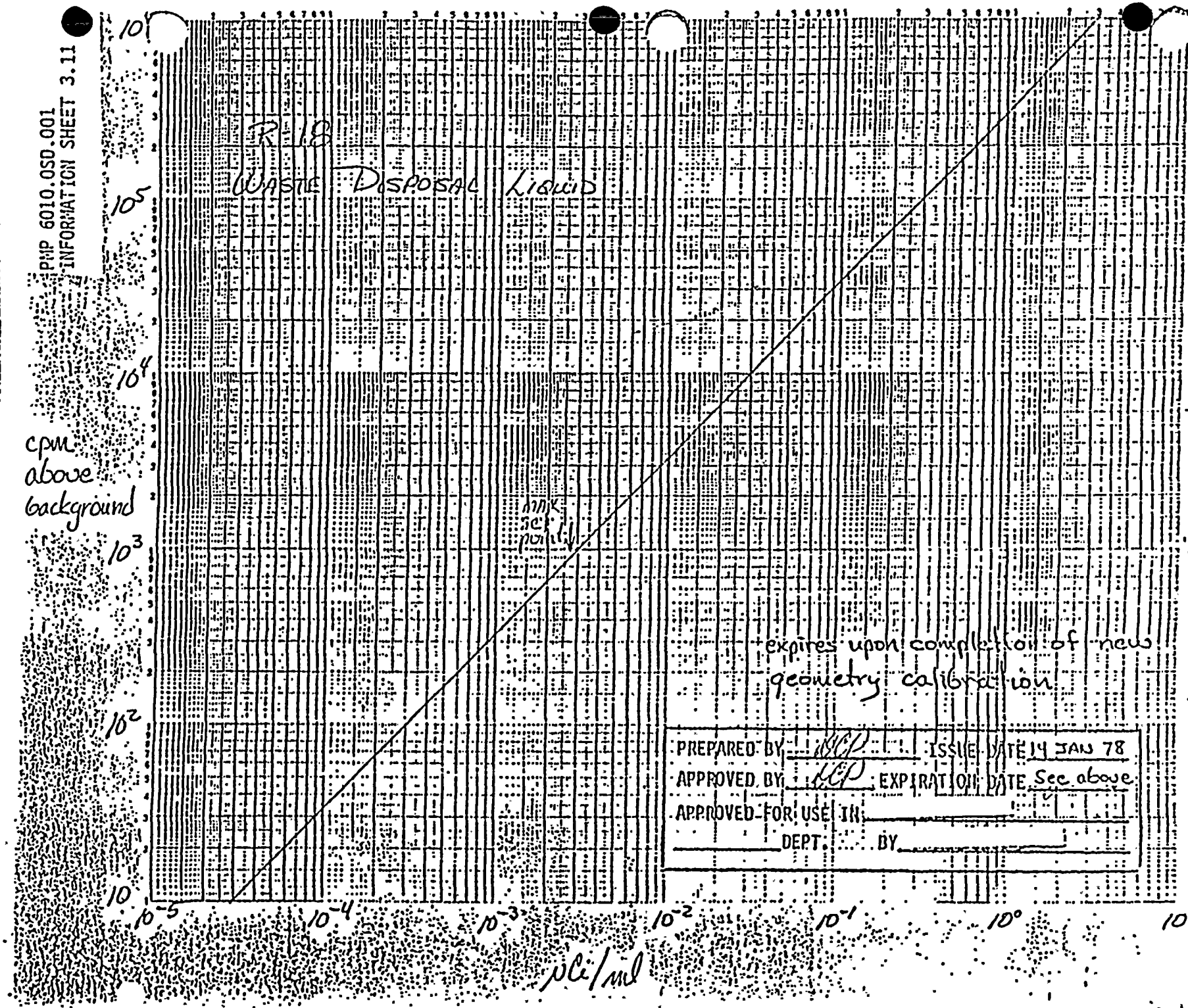
NOTE 3: Drawings: OP-12-5113-1, -5119-0, -1-5661-0, -2-5661-0.

System Descriptions: SD-DCC-HP102, -HP119, NE101.

NOTE 4: Drawings: OP-12-5125-2, -5125A-0, -12-5160-2.

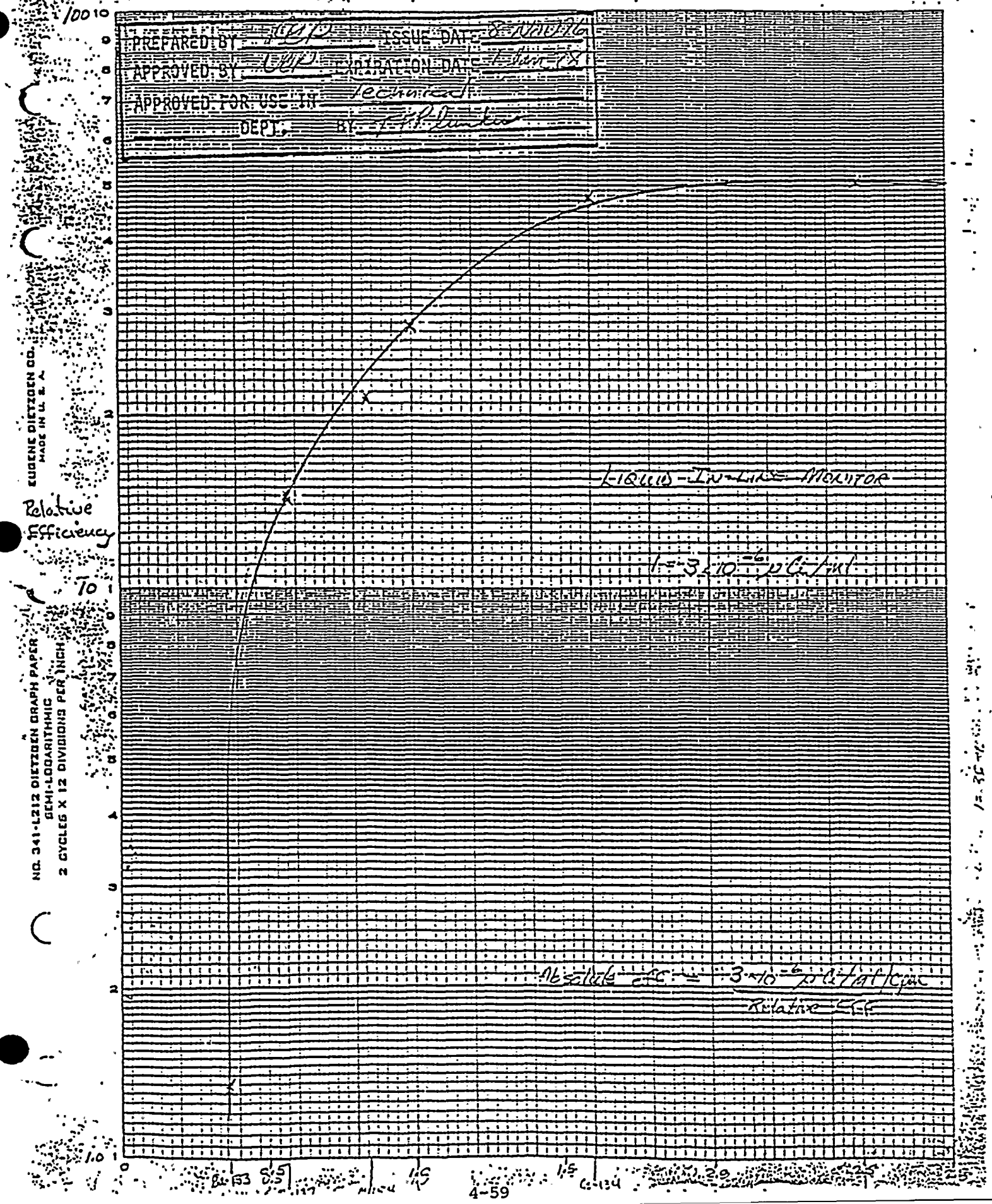
System Descriptions: SD-DCC-CH117.

PMP 6010.OSD.001
INFORMATION SHEET 3.11

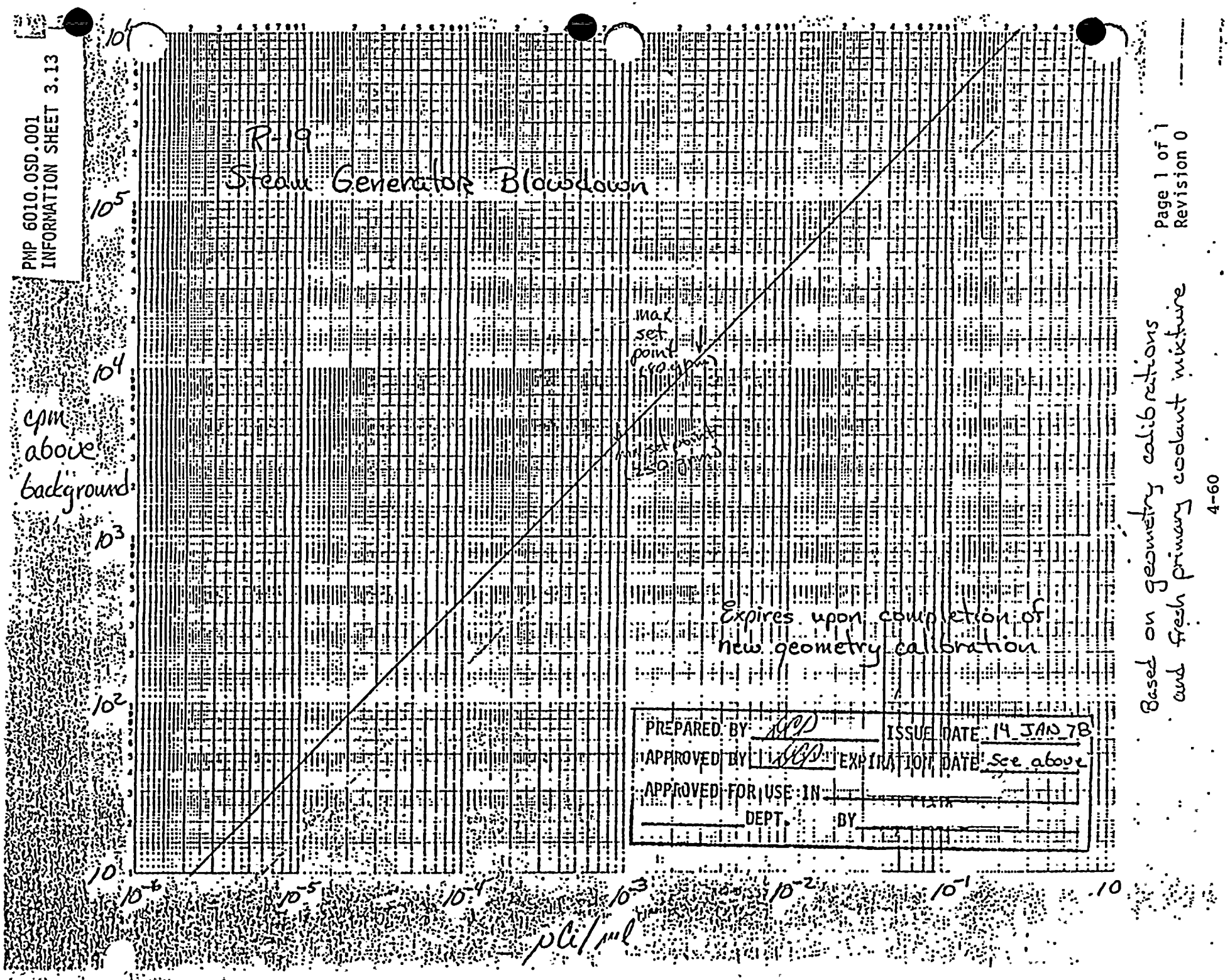


Based on geometry calibration curves and I-131

IN-LINE

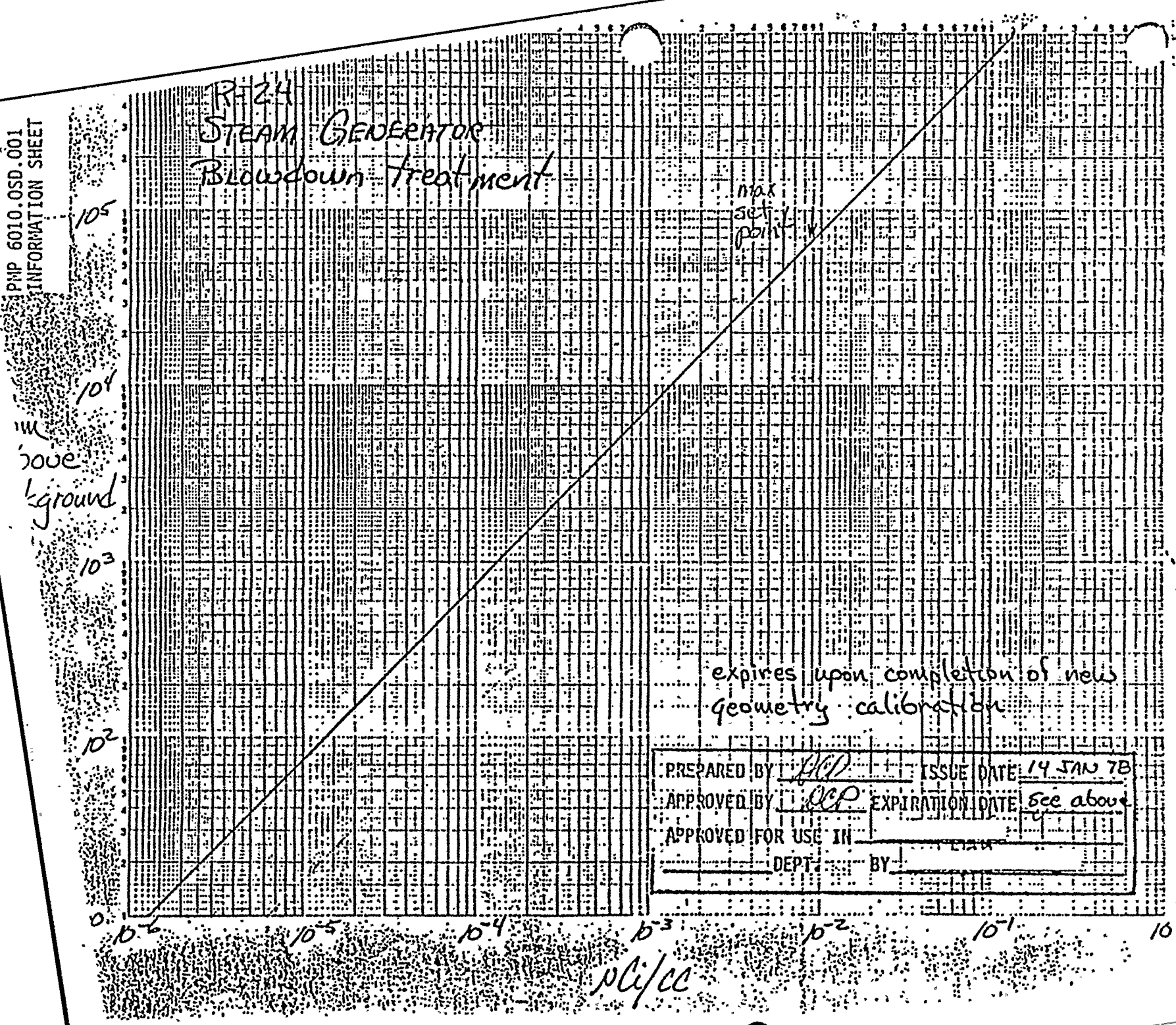

PREPARED BY
ISSUE DATE 8 Nov 76
APPROVED BY
EXPIRATION DATE
APPROVED FOR USE IN Technical
DEPT.
BY
LIQUID-IN-LINE MONITOR
Relative Efficiency
Absolute Eff = 3×10⁻⁶ μCi/ml/cpm
Relative Eff
EUGENE DIETZGEN CO.
MADE IN U.S.A.
NO. 341-L212 DIETZGEN GRAPH PAPER
SEMI-LOGARITHMIC
2 CYCLES X 12 DIVISIONS PER INCH

PMP 6010.OSD.001
INFORMATION SHEET 3.13



Based on geometry calibrations and fresh primary coolant mixture

Page 1 of 1
Revision 0



Based on geometry calibration and fresh primary coolant mixture.

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Revision 0

4-61

PMP 6010.OSD.001
INFORMATION SHEET 3.15

R-20, R-28

ESSENTIAL SERVICE WATER

cpm above background

10^4
10^5
10^4
10^3
10^2
10

max set point

Expires upon completion of new geometry calibration

PREPARED BY: HCP ISSUE DATE: 14 JAN 78

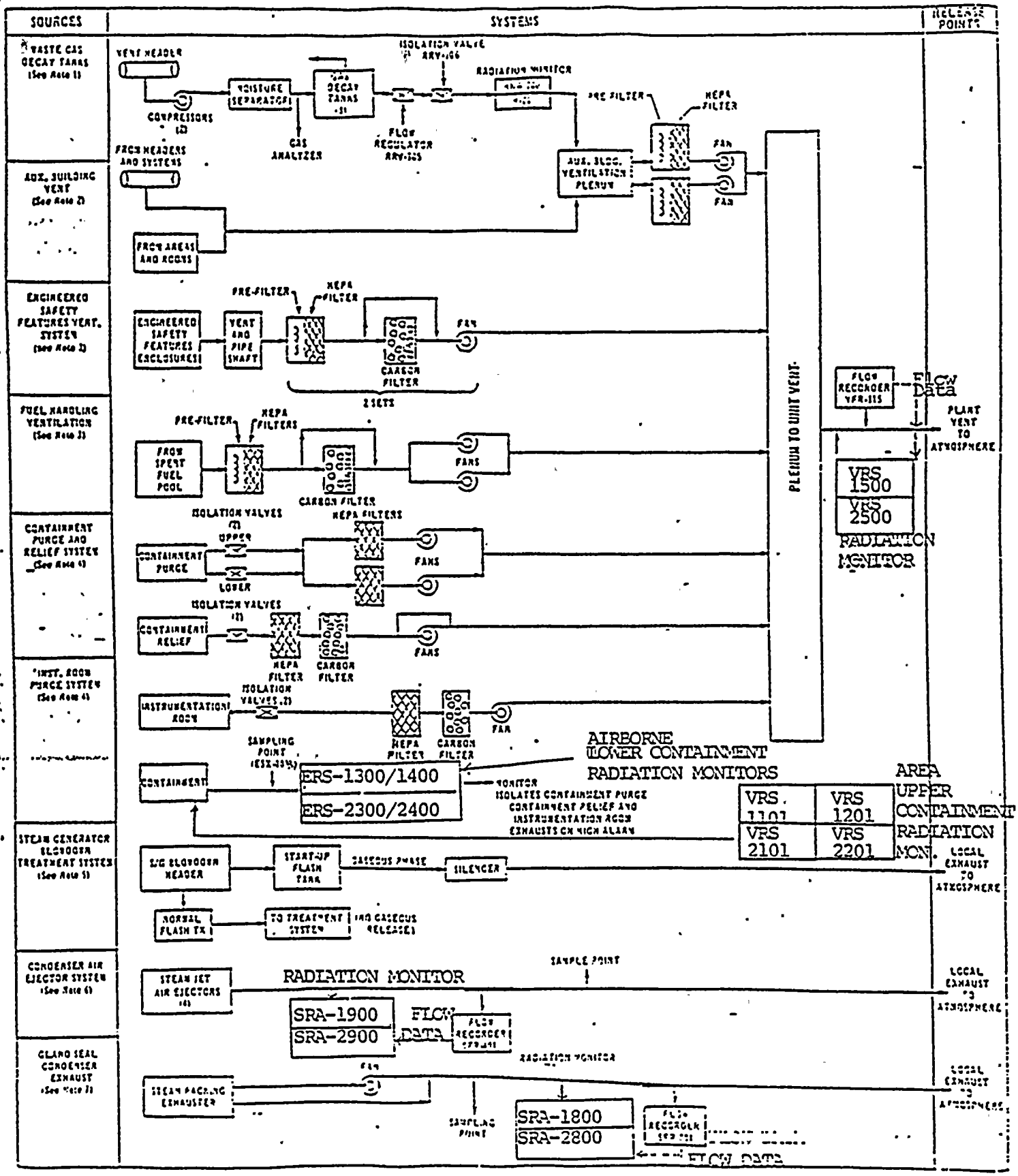
APPROVED BY: HCP EXPIRATION DATE: See above

APPROVED FOR USE IN _____ DEPT. BY _____

10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0}

$\mu Ci/ml$

Based on geometry calibration & fresh primary coolant mixture



GASEOUS EFFLUENT RELEASE SYSTEMS

NOTE 1: Drawings: OP-12-5139-0, -5148-1, -5162-2, -1-5661-0, 2-5661-0, -1-5141-1, 01-5104F, 02-5104F, 98818, 98820.

System Descriptions: SD-DCC-CH113, -NE101, IC-105.

NOTE 2: Drawings: OP-12-5148-1, 5148A-0.

System Descriptions: SD-DCC-PM104, -NE101, -CH113.

NOTE 3: Drawings: OP-12-5148-1, -5148A-0.

System Descriptions: SD-DCC-PM104.

NOTE 4: Drawings: OP-1-5147A-0, OP-12-5148-1, 1-5611-0, 2-5611-0, 01-5147A, 01-5104F, 02-5147A, 02-5104F, 98815, 98816, 98817.

System Descriptions: SD-DCC-PM102, IC-105.

NOTE 5: Drawings: OP-1&2-5105B-0.

System Descriptions: SD-DCC-CH114.

NOTE 6: Drawings: OP-1-5109A-1, OP-2-5109A-1, -1-5661-0, -2-5661-0, 01-5109A, 01-5104F, 02-5109A, 02-5104F, 98818.

System Descriptions: SD-DCC-HP110, IC-105.

NOTE 7: Drawings: OP-1-5122-1, OP-2-5122-0, -1-5661-0, -2-5661-0, 01-5122, 02-5104F, 98818.

System Descriptions: SD-DCC-TB102, TB103 and IC-105.

CHARACTERISTICS AND FUNCTIONS OF THE UNIT VENT EFFLUENT MONITOR

VRS-1500 (UNIT #1)
VRS-2500 (UNIT #2)

Alarm Location	Control Room and Local
Monitor Type, Location	SPING-4, El. 650'
Power Source	120 Vac. Dist. Cabinet CCRP-2, CJRC-1 Sample Pump Supplied from 120 Vac. Dist. Pan. 1-AFW (2-AFW for Unit 2), CKT #5
Scale	CRT or Control Terminal Printout
Channel No., Type (Range)	#01, Beta Particulate, (1.5E-4 to 1.5 µCi) #02, Alpha Particulate Subtract #03, Iodine-131, (2.3E-4 to 2.3 µCi) #04, Iodine Subtract #05, Noble Gas-Low Range, (1E-7 to 4E-2 µCi/cc) #06, Local Area Monitor, (2E-3 to 2E2 mR/hr) #07, Noble Gas-Mid Range, (2.5E-2 to 1E3 µCi/cc)* #09, Noble Gas-High Range, (1 to 1E5 µCi/cc)* #10, Unit Vent Effluent Flow Rate (CFM)
Standard Sample Flow Rate	50 LPM (low), 60 LPM (normal), 70 LPM (high)
Automatic Trip Functions (High Alarm)	+Channel #5 Trips, Close Valve 12-RRV-306
Location of Isolation Control Device	Waste Gas Decay Tank Discharge
Technical Specification References	Table 3.3-13 (Items 3a, 3b, 3c, 5a)
Diagram References	5104F, 5148, 98818, 98820

*Monitor setpoints are not in the scope of this manual.

CHARACTERISTICS AND FUNCTIONS OF THE LOWER CONTAINMENT AIRBORNE MONITOR

ERS-1300 (UNIT #1)
ERS-2300 (UNIT #2)

Alarm Location	Control Room and Local
Monitor Type, Location	SPING-4, El. 591', Train A
Power Source	120 Vac. Dist. Cabinet CRID II, CKT #13 Sample Pump Supplied from 120 Vac. Dist. Pan. 1-AFW (2-AFW for Unit 2), CKT #3
Scale	CRT or Control Terminal Printout
Channel No., Type (Range)	#01, Beta Particulate, (1.5E-4 to 1.5 µCi) #02, Alpha Particulate Subtract #03, Iodine-131, (2.3E-4 to 2.3 µCi) #04, Iodine Subtract #05, Noble Gas-Low Range, (1E-7 to 4E-2 µCi/cc) #06, Local Area Monitor, (2E-3 to 2E2 mR/hr) #07, Noble Gas-Mid Range, (2.5E-2 to 1E3 µCi/cc)* #09, Noble Gas-High Range, (1 to 1E5 µCi/cc)* #10, Containment High Range Area Monitor, El. 650' (R/hr)*
Standard Sample Flow Rate	50 LPM (low), 60 LPM (normal), 70 LPM (high)
Automatic Trip Functions (High Alarm)	Channels #1, 3 and 5 Trips, Close Valves VCR-101, 102, 103, 104, 105, 106, 107; Fan HV-CIPS-1 Off
Location of Isolation Control Device	Containment Purge, Containment Relief Exhausts
Technical Specification References	Table 3.3-3 (Item 3.c.2); Table 3.3-6 (Items 1.b.i, 1.b.ii, 2.a.ii, 2.a.iii); Table 3.3-13 (Items 4.a, 4.b); 3.4.6.1.a; 3.4.6.1.c; 3.9.9
Diagram References	5104F, 5147A, 98817

*Monitor setpoints are not in the scope of this manual.

CHARACTERISTICS AND FUNCTIONS OF THE LOWER CONTAINMENT AIRBORNE MONITOR

ERS-1400 (UNIT #1)
ERS-2400 (UNIT #2)

Alarm Location	Control Room and Local
Monitor Type, Location	SPING-4, El. 573', Train B
Power Source	120 Vac. Dist. Cabinet CRID III, CKT #14 Sample Pump Supplied from 120 Vac. Dist. Pan. 1-ELSC (2-ELSC for Unit #2), CKT #7
Scale	CRT or Control Terminal Printout.
Channel No., Type (Range)	#01, Beta Particulate, (1.5E-4 to 1.5 µCi) #02, Alpha Particulate Subtract #03, Iodine-131, (2.3E-4 to 2.3 µCi) #04, Iodine Subtract #05, Noble Gas-Low Range, (1E-7 to 4E-2 µCi/cc) #06, Local Area Monitor, (2E-3 to 2E2 mR/hr) #07, Noble Gas-Mid Range, (2.5E-2 to 1E3 µCi/cc)* #09, Noble Gas-High Range, (1 to 1E5 µCi/cc)* #10, Containment High Range Area Monitor El. 612' (R/hr)*
Standard Sample Flow Rate	50 LPM (low), 60 LPM (normal), 70 LPM (high)
Automatic Trip Functions (High Alarm)	Channels 1, 3 and 5 Trips, Close Valves VCR-201, 202, 203, 204, 205, 206, 207; Fans HV-CPS-1, CPS-2, CPX-1, CPX-2, CPR-1; CIPX-1 Off
Location of Isolation Control Device	Containment Purge, Containment Relief Exhausts
Technical Specification References	Table 3.3-3 (Item 3.c.3); Table 3.3-6 (Items 1.b.i, 1.b.ii, 2.b.ii, 2.b.iii); Table 3.3-13 (Items 4.a, 4.c); 3.4.6.1.a; 3.4.6.1.b; 3.9.9
Diagram References	5104F, 5147A, 98817

*Monitor setpoints are not in the scope of this manual.

CHARACTERISTICS AND FUNCTIONS OF THE CONTAINMENT AREA RADIATION MONITOR (NORMAL RANGE)

VRS-1101 (UNIT #1)
VRS-2101 (UNIT #2)

Alarm Location	Control Room and Local
Monitor Type, Location	Upper Containment Area Monitor, El. 650', Train A
Power Source	120 Vac. Dist. Cabinet CRID II, CKT #13
Scale	CRT or Control Terminal Printout
Channel No., Type (Range)	#01, Normal Range, (0.1 to 1E4 mR/hr)
Automatic Trip Functions (High Alarm)	Trips Close Valves VCR-101, 102, 103, 104, 105, 106, 107; Fan HV-CIPS-1 off
Location of Isolation Control Device	Containment Purge, Containment Relief Exhausts
Technical Specification References	Table 3.3-3 (Item 3.c.2); Table 3.3-6 (Items 1.a.i, 2.a.i); 3.9.9
Diagram References	5104F, 98815, 98816

CHARACTERISTICS AND FUNCTIONS OF THE CONTAINMENT AREA RADIATION MONITOR (NORMAL RANGE)

VRS-1201 (UNIT #1)
VRS-2201 (UNIT #2)

Alarm Location	Control Room and Local
Monitor Type, Location	Upper Containment Area Monitor, El. 686', Train B
Power Source	120 Vac. Dist. Cabinet CRID III, CKT #14
Scale	CRT or Control Terminal Printout
Channel No., Type (Range)	#01, Normal Range, (0.1 to 1E4 mR/hr)
Automatic Trip Functions (High Alarm)	Trips Close Valves VCR-201, 202, 203, 204, 205, 206, 207; Fans HV-CPS-1, CPS-2, CPX-1, CPX-2, CPR-1, CIPX-1 Off
Location of Isolation Control Device	Containment Purge, Containment Relief Exhausts
Technical Specification References	Table 3.3-3 (Item 3.c.3); Table 3.3-6 (Items 1.a.i, 2.a.i); 3.9.9
Diagram References	5104F, 98815, 98816

CHARACTERISTICS AND FUNCTIONS OF THE STEAM JET AIR EJECTOR VENT MONITOR

SRA-1900 (UNIT #1)
SRA-2900 (UNIT #2)

Alarm Location	Control Room and Local
Monitor Type, Location	SPING-4, El. 609'
Power Source	120 Vac. Dist. Cabinet CCRP-2, CIRC-1. Sample Pump Supplied from 120 Vac. Dist. Pan. 1-ELSC (2-ELSC for Unit 2) CKT #6
Scale	CRT or Control Terminal Printout
Channel No., Type (Range)	#05, Noble Gas-Low Range, (1E-7 to 4E-2 µCi/cc) #06, Local Area Monitor (2E-3 to 2E2 mR/hr) #07, Noble Gas-Mid Range (2.5E-2 to 1E3 µCi/cc)* #10, Steam Jet Air Ejector Flow Rate (CFM)
Automatic Trip Functions (High Alarm)	None
Location of Isolation Control Device	None
Technical Specification References	Table 3.3-13 (Item 2.a, 2.b)
Diagram References	5104F, 5109A, 98818

*Monitor setpoints are not in the scope of this manual.

CHARACTERISTICS AND FUNCTIONS OF THE GLAND STEAM CONDENSER VENT MONITOR

SRA-1800 (UNIT #1)
SRA-2800 (UNIT #2)

Alarm Location	Control Room and Local
Monitor Type, Location	SPING-4, El. 609' (Unit 1), El. 591' (Unit 2)
Power Source	120 Vac. Dist. Cabinet CCRP-2, CIRC-1. Sample Pump Supplied from 120 Vac. Dist. Pan. 1-ELSC (2-ELSC for Unit 2) CKT #9
Scale	CRT or Control Terminal Printout
Channel No., Type (Range)	#05, Noble Gas-Low Range, (1E-7 to 4E-2 µCi/cc) #06, Local Area Monitor (2E-3 to 2E2 mR/hr) #07, Noble Gas-Mid Range (2.5E-2 to 1E3 µCi/cc)* #10, Gland Steam Condenser Vent Flow Rate (CFM)
Automatic Trip Functions (High Alarm)	None
Location of Isolation Control Device	None
Technical Specification References	Table 3.3-13 (Item 6.a, 6.b)
Diagram References	5104F, 5122, 98818

*Monitor setpoints are not in the scope of this manual.

PLANT GASEOUS EFFLUENT PARAMETERS

	SYSTEM	EXHAUST UNIT	FLOW RATE (CFM)	CAPACITY	NO. OF TANKS
I	PLANT UNIT VENT:	UNIT 1	159,600		
		UNIT 2	123,500		
	+WASTE GAS DECAY TANKS	UNIT 1		600 FT^3	8
	+WASTE GAS COMPRESSORS		125		2
	+AUXILIARY BUILDING	UNIT 1	72,600		
	EXHAUST	UNIT 2	64,500		
	+ENG. SAFETY FEATURES VENT	UNIT 1&2	25,000		
	+FUEL HANDLING AREA VENT SYSTEM	UNIT 1	30,000		
	+CONTAINMENT PURGE SYSTEM	UNIT 1&2	32,000		
	+CONTAINMENT PRESSURE RELIEF SYSTEM	UNIT 1&2	1,000		
	+INSTRUMENT ROOM PURGE SYSTEM	UNIT 1&2	1,000		
II	CONDENSER AIR EJECTOR SYSTEM	UNIT 1&2	$\leq$ 120		2 Release Points One for Each Unit
III	TURBINE SEALS SYSTEM	UNIT 1&2	5,000		

X/Q GROUND AVERAGE (SEC/M³)
JUN83 - JUN84

DIRECTION (WIND FROM)	DISTANCE 594.	2416.	4020.	5630.	7240.
N	1.26E-06	1.49E-07	6.90E-08	4.06E-08	2.83E-08
NNE	2.28E-06	2.75E-07	1.25E-07	7.25E-08	5.01E-08
NE	1.84E-06	2.25E-07	1.05E-07	6.23E-08	4.35E-08
ENE	2.40E-06	2.86E-07	1.37E-07	8.29E-08	5.85E-08
E	3.02E-06	3.72E-07	1.79E-07	1.08E-07	7.62E-08
ESE	4.41E-06	5.19E-07	2.50E-07	1.51E-07	1.07E-07
SE	5.73E-06	6.73E-07	3.31E-07	2.03E-07	1.44E-07
SSE	3.72E-06	4.32E-07	2.15E-07	1.32E-07	9.45E-08
S	3.72E-06	4.36E-07	2.14E-07	1.31E-07	9.29E-08
SSW	2.79E-06	3.33E-07	1.61E-07	9.77E-08	6.92E-08
SW	2.36E-06	2.93E-07	1.39E-07	8.14E-08	5.70E-08
WSW	2.84E-06	3.53E-07	1.62E-07	9.47E-08	6.10E-08
W	2.15E-06	2.60E-07	1.19E-07	6.92E-08	4.80E-08
WNW	1.62E-06	1.87E-07	8.58E-08	5.02E-08	3.50E-08
NW	1.32E-06	1.52E-07	6.89E-08	4.00E-08	2.77E-08
NNW	1.20E-06	1.39E-07	6.37E-08	3.73E-08	2.60E-08

DIRECTION (WIND FROM)	DISTANCE 12067.	24135.	40225.	56315.	80500.
N	1.40E-08	5.38E-09	2.66E-09	1.69E-09	1.21E-09
NNE	2.43E-08	9.00E-09	4.36E-09	2.75E-09	1.94E-09
NE	2.15E-08	8.26E-09	4.06E-09	2.58E-09	1.85E-09
ENE	2.95E-08	1.16E-08	5.77E-09	3.69E-09	2.66E-09
E	3.84E-08	1.52E-08	7.58E-09	4.86E-09	3.51E-09
ESE	5.38E-08	2.12E-08	1.05E-08	6.72E-09	4.86E-09
SE	7.37E-08	2.97E-08	1.49E-08	9.55E-09	6.96E-09
SSE	4.87E-08	1.98E-08	9.95E-09	6.41E-09	4.69E-09
S	4.76E-08	1.92E-08	9.62E-09	6.18E-09	4.51E-09
SSW	3.52E-08	1.40E-08	7.02E-09	4.51E-09	3.29E-09
SW	2.85E-08	1.10E-08	5.43E-09	3.46E-09	2.49E-09
WSW	3.28E-08	1.25E-08	6.17E-09	3.92E-09	2.81E-09
W	2.34E-08	8.80E-09	4.30E-09	2.73E-09	1.94E-09
WNW	1.74E-08	6.66E-09	3.31E-09	2.12E-09	1.52E-09
NW	1.35E-08	5.05E-09	2.47E-09	1.57E-09	1.12E-09
NNW	1.29E-08	4.93E-09	2.45E-09	1.57E-09	1.13E-09

DIRECTION - SECTOR

N = A
NNE = B
NE = C
ENE = D
E = E
ESE = F
SE = G
SSE = H
S = J
SSW = K
SW = L
WSW = M
W = N
WNW = P
NW = Q
NNW = R

WORST SECTOR SITE BOUNDARY

5.73E-6 (SEC/M³)
SECTOR 6

D/Q DEPOSITION ($1/M^2$)

DIRECTION (WIND FROM)	DISTANCE 594.	2416.	4020.	5630.	7240.
N	1.01E-08	9.78E-10	4.43E-10	2.32E-10	1.48E-10
NNE	2.27E-08	2.19E-09	9.92E-10	5.20E-10	3.32E-10
NE	1.22E-08	1.17E-09	5.32E-10	2.79E-10	1.78E-10
ENE	1.12E-08	1.08E-09	4.88E-10	2.56E-10	1.64E-10
E	1.94E-08	1.88E-09	8.50E-10	4.46E-10	2.85E-10
ESE	3.35E-08	3.24E-09	1.47E-09	7.70E-10	4.91E-10
SE	3.38E-08	3.26E-09	1.48E-09	7.75E-10	4.95E-10
SSE	1.86E-08	1.80E-09	8.14E-10	4.27E-10	2.73E-10
S	1.74E-08	1.68E-09	7.60E-10	3.99E-10	2.55E-10
SSW	1.59E-08	1.53E-09	6.94E-10	3.64E-10	2.32E-10
SW	2.10E-08	2.03E-09	9.18E-10	4.82E-10	3.08E-10
WSW	2.98E-08	2.88E-09	1.30E-09	6.83E-10	4.36E-10
W	2.98E-08	2.23E-09	1.01E-09	5.31E-10	3.39E-10
WNW	2.07E-08	2.00E-09	9.05E-10	4.75E-10	3.03E-10
NW	1.79E-08	1.73E-09	7.83E-10	4.11E-10	2.62E-10
NNW	1.99E-08	1.43E-09	6.50E-10	3.41E-10	2.18E-10

DIRECTION (WIND FROM)	DISTANCE 12067.	24135.	40225.	56315.	80500.
N	6.20E-11	2.01E-11	7.43E-12	3.97E-12	2.49E-12
NNE	1.39E-10	4.52E-11	1.66E-11	8.88E-12	5.58E-12
NE	7.45E-11	2.43E-11	8.93E-12	4.77E-12	3.00E-12
ENE	6.83E-11	2.22E-11	8.19E-12	4.37E-12	2.75E-12
E	1.19E-10	3.87E-11	1.43E-11	7.61E-12	4.78E-12
ESE	2.05E-10	6.68E-11	2.46E-11	1.31E-11	8.25E-12
SE	2.07E-10	6.73E-11	2.48E-11	1.32E-11	8.31E-12
SSE	1.14E-10	3.71E-11	1.37E-11	7.29E-12	4.58E-12
S	1.06E-10	3.46E-11	1.28E-11	6.81E-12	4.28E-12
SSW	9.71E-11	3.16E-11	1.16E-11	6.21E-12	3.92E-12
SW	1.29E-10	4.18E-11	1.54E-11	8.22E-12	5.17E-12
WSW	1.82E-10	5.93E-11	2.18E-11	1.17E-11	7.33E-12
W	1.42E-10	4.61E-11	1.70E-11	9.07E-12	5.70E-12
WNW	1.27E-10	4.12E-11	1.52E-11	8.10E-12	5.05E-12
NW	1.10E-10	3.57E-11	1.31E-11	7.01E-12	4.41E-12
NNW	9.05E-11	2.96E-11	1.09E-11	5.82E-12	3.65E-12

DIRECTION - SECTOR

N = A
NNE = B
NE = C
ENE = D
E = E
ESE = F
SE = G
SSE = H
S = J
SSW = K
SW = L
WSW = M
W = N
WNW = P
NW = Q
NNW = R

DOSE FACTORS FOR NOBLE GASES AND DAUGHTERS*

RADIONUCLIDE	TOTAL BODY DOSE FACTOR K_i (mRem/yr per µCi/m³)	SKIN DOSE FACTOR L_i (mRem/yr per µCi/m³)	GAMMA AIR DOSE FACTOR M_i (mRad/yr per µCi/m³)	BETA AIR DOSE FACTOR N_i (mRad/yr per µCi/m³)
KR-83M	7.56E-02**	--	1.93E+01	2.88E+02
KR-85M	1.17E+03	1.46E+03	1.23E+03	1.97E+03
KR-85	1.61E+01	1.34E+03	1.72E+01	1.95E+03
KR-87	5.92E+03	9.73E+03	6.17E+03	1.03E+04
KR-88	1.47E+04	2.37E+03	1.52E+04	2.93E+03
KR-89	1.66E+04	1.01E+04	1.73E+04	1.06E+04
KR-90	1.56E+04	7.29E+03	1.63E+04	7.83E+03
XE-131M	9.15E+01	4.76E+02	1.56E+02	1.11E+03
XE-133M	2.51E+02	9.94E+02	3.27E+02	1.48E+03
XE-133	2.94E+02	3.06E+02	3.63E+02	1.05E+03
XE-135M	3.12E+03	7.11E+02	3.36E+03	7.39E+02
XE-135	1.81E+03	1.86E+03	1.92E+03	2.46E+03
XE-137	1.42E+03	1.22E+04	1.51E+03	1.27E+04
XE-138	8.83E+03	4.13E+03	9.21E+03	4.75E+03
AR-41	8.84E+03	2.69E+03	9.30E+03	3.28E+03

*The listed dose factors are for radionuclides that may be detected in gaseous effluents.

**7.56E-02 = 7.56×10^{-2}

DOSE PARAMETERS FOR RADIOIODINES AND RADIOACTIVE PARTICULATE, GASEOUS EFFLUENTS*

RADIONUCLIDE	P_i INHALATION PATHWAY (mRem/yr per µCi/m³)	P_i FOOD & GROUND PATHWAYS (m² . mRem/yr per µCi/sec)	RADIONUCLIDE	P_i INHALATION PATHWAY (mRem/yr per µCi/m³)	P_i FOOD & GROUND PATHWAYS (m² . mRem/yr per µCi/sec)
H-3	6.5E+02	2.4E+03	CD-115M	7.0E+04	4.8E+07
P-32	2.0E+06	1.5E+11	SN-123	2.9E+05	3.4E+09
MN-54	2.5E+04	1.1E+09	SN-126	1.2E+06	1.1E+09
FE-59	2.4E+04	7.0E+08	SB-124	5.9E+04	1.1E+09
CO-58	1.1E+04	5.7E+08	SB-125	1.5E+04	1.1E+09
CO-60	3.2E+04	4.6E+09	TE-127	3.8E+04	7.4E+10
ZN-65	6.3E+04	1.7E+10	TE-129M	3.2E+04	1.3E+09
RB-86	1.9E+05	1.6E+10	CS-134	7.0E+05	5.3E+10
SR-89	4.0E+05	1.0E+10	CS-136	1.3E+05	5.4E+09
SR-90	4.1E+07	9.5E+10	CS-137	6.1E+05	4.7E+10
Y-91	7.0E+04	1.9E+09	BA-140	5.6E+04	2.4E+08
ZR-95	2.2E+04	3.5E+08	CE-141	2.2E+04	8.7E+07
NB-95	1.3E+04	3.6E+08	CE-144	1.5E+05	6.5E+08
RU-103	1.6E+04	3.4E+10	I-131	1.5E+07	1.1E+12
RU-106	1.6E+05	4.4E+11	I-133	3.6E+06	9.6E+09
AG-110M	3.3E+04	1.5E+10	UNIDENTIFIED*	4.1E+07	9.5E+10

*The listed dose parameters are for radionuclides that may be detected in gaseous effluents.

**If SR-90 analysis is performed, use P_I given in RU-106 for unidentified components.

If SR-90 and RU-106 analyses are performed, use P_I given in I-131 for unidentified components.

If SR-90, RU-106 and I-131 analyses are performed, use P_I given in P-32 for unidentified components.

TABLE II - 10a
PATHWAY DOSE PARAMETERS FOR RADIONUCLIDES OTHER THAN NOBLE GASES

R(I), INFANT

RADIO-NUCLIDE	INHALATION (MREM/YR	GROUND PLANE (M2.MREM/YR	COW-MILK (M2.MREM/YR	GOAT-MILK (M2.MREM/YR	ANIMAL-MEAT (M2.MREM/YR	VEGETABLES (M2.MREM/YR
H 3**	6.5E+02	0.	2.4E+03	4.9E+03	0.	0.
C 14	2.6E+04	0.	3.2E+06	3.2E+06	0.	0.
NA 24	1.1E+04	1.2E+07	1.7E+07	2.0E+06	0.	0.
P 32	2.0E+06	0.	1.6E+11	1.9E+11	0.	0.
CR 51	3.6E+02	4.7E+06	4.2E+06	5.0E+05	0.	0.
MN 54	2.5E+04	1.4E+09	3.1E+07	3.7E+06	0.	0.
MN 56	7.2E+04	9.0E+05	2.9E+00	3.5E-01	0.	0.
FE 55	2.0E+04	0.	1.1E+08	1.4E+06	0.	0.
FE 59	2.4E+04	2.7E+08	3.4E+08	4.4E+06	0.	0.
CO 58	1.1E+04	3.8E+08	5.0E+07	6.0E+06	0.	0.
CO 60	3.2E+04	2.2E+10	1.7E+08	2.0E+07	0.	0.
NI 63	3.4E+05	0.	3.0E+10	3.5E+09	0.	0.
NI 65	5.0E+04	3.0E+05	3.0E+01	3.6E+00	0.	0.
CU 64	1.5E+04	6.0E+05	3.8E+06	4.2E+05	0.	0.
ZN 65	6.3E+04	7.5E+08	1.7E+10	2.1E+09	0.	0.
ZN 69	1.3E+04	0.	3.4E-09	4.1E-10	0.	0.
ZN 69M	4.1E+04	1.3E+06	4.9E+07	5.9E+06	0.	0.
BR 84	4.0E+02	2.0E+05	1.3E-22	1.6E-23	0.	0.
RB 86	1.9E+05	9.0E+06	2.1E+10	2.5E+09	0.	0.
RB 88	5.6E+02	3.3E+04	0.	0.	0.	0.
RB 89	3.2E+02	1.2E+05	0.	0.	0.	0.
SR 89	4.0E+05	2.2E+04	1.1E+10	2.2E+10	0.	0.
SR 90	4.1E+07	0.	1.0E+11	2.1E+11	0.	0.
SR 91	7.3E+04	2.1E+06	3.2E+05	6.7E+05	0.	0.
SR 92	1.4E+05	7.8E+05	5.1E+01	1.1E+02	0.	0.
Y 90	1.0E+05	4.5E+03	9.4E+05	1.1E+05	0.	0.
Y 91	7.0E+04	1.1E+06	4.4E+06	5.3E+05	0.	0.
Y 91M	2.4E+03	1.0E+05	2.0E-15	2.4E-16	0.	0.
Y 92	1.3E+05	1.8E+05	1.0E+01	1.3E+00	0.	0.
Y 93	1.7E+05	1.8E+05	1.7E+04	2.1E+03	0.	0.
ZR 95	2.2E+04	2.5E+08	6.9E+05	8.3E+04	0.	0.
ZR 97	1.4E+05	2.9E+06	4.3E+04	5.2E+03	0.	0.
NB 95	1.3E+04	1.4E+08	1.8E+08	2.2E+07	0.	0.
MO 99	2.6E+02	4.0E+06	3.1E+08	3.7E+07	0.	0.
TC 99M	2.0E+03	1.8E+05	1.7E+04	2.0E+03	0.	0.
TC 101	8.4E+02	2.0E+04	0.	0.	0.	0.
RU 103	1.6E+04	1.1E+08	9.2E+04	1.1E+04	0.	0.
RU 105	4.8E+04	6.4E+05	3.2E+00	3.9E-01	0.	0.
RU 106	1.6E+05	4.2E+08	1.2E+06	1.4E+05	0.	0.
AG 110M	3.3E+04	3.5E+09	1.2E+10	1.5E+09	0.	0.
CD 113M	2.3E+04	4.8E+06	4.3E+07	5.1E+06	0.	0.
CD 115M	7.0E+04	0.	5.2E+07	6.2E+06	0.	0.
SN 123	2.9E+05	0.	3.7E+09	4.4E+08	0.	0.
SN 126	1.2E+06	2.6E+10	8.9E+09	1.1E+09	0.	0.
SB 124	5.9E+04	6.0E+08	5.4E+08	6.5E+07	0.	0.
SB 125	1.5E+04	2.3E+09	1.6E+08	1.9E+07	0.	0.
TE 125M	4.8E+03	1.6E+06	1.4E+08	1.7E+07	0.	0.
TE 127	2.4E+04	8.3E+05	1.5E+08	1.8E+07	0.	0.
TE 127M	3.8E+04	9.2E+04	1.0E+09	1.2E+08	0.	0.
TE 129	2.6E+04	1.8E+07	1.2E+08	1.4E+07	0.	0.
TE 129M	3.2E+04	2.0E+07	1.3E+09	1.6E+08	0.	0.
TE 131	8.2E+03	2.1E+06	1.6E+06	1.9E+05	0.	0.
TE 131M	1.2E+05	8.0E+06	2.3E+07	2.8E+06	0.	0.
TE 132	4.4E+04	4.2E+06	4.0E+07	4.7E+06	0.	0.
CS 134	7.0E+05	6.8E+09	5.4E+10	1.6E+11	0.	0.

CS 136	1.3E+05	1.5E+08	5.5E+09	1.7E+10	0.	0.
CS 137	6.1E+05	1.0E+10	4.9E+10	1.5E+11	0.	0.
CS 138	7.8E+02	3.6E+05	1.3E-22	3.9E-22	0.	0.
BA 139	5.1E+04	1.1E+05	2.7E-05	3.3E-06	0.	0.
BA 140	5.6E+04	2.1E+07	2.3E+08	2.8E+07	0.	0.
BA 141	1.6E-01	4.2E+04	0.	0.	0.	0.
BA 142	4.0E-02	4.5E+04	0.	0.	0.	0.
LA 140	8.5E+04	1.9E+07	1.9E+05	2.3E+04	0.	0.
LA 142	6.0E+04	7.7E+05	1.3E-05	1.6E-06	0.	0.
CE 141	2.2E+04	1.4E+07	1.2E+07	1.4E+06	0.	0.
CE 143	5.0E+04	2.3E+06	1.5E+06	1.8E+05	0.	0.
CE 144	1.5E+05	7.0E+07	1.1E+08	1.3E+07	0.	0.
PR 143	3.7E+04	0.	7.5E+05	9.0E+04	0.	0.
PR 144	4.3E+03	1.8E+03	0.	0.	0.	0.
ND 147	3.1E+04	8.4E+06	5.5E+05	6.7E+04	0.	0.
PM 147	8.1E+03	0.	2.9E+05	3.5E+04	0.	0.
PM 148M	4.7E+04	1.5E+08	1.4E+06	1.7E+05	0.	0.
SM 151	4.8E+03	1.3E+08	1.8E+05	2.2E+04	0.	0.
W 187	3.6E+04	2.4E+06	2.5E+06	3.0E+05	0.	0.
NP 239	2.5E+04	1.7E+06	9.5E+04	1.1E+04	0.	0.
I 130	1.6E+06	5.5E+07	7.5E+10	9.0E+10	0.	0.
I 131	1.5E+07	1.7E+07	1.0E+12	1.2E+12	0.	0.
I 132	1.7E+05	1.2E+06	1.4E+02	1.6E+02	0.	0.
I 133	3.6E+06	2.4E+06	9.6E+09	1.2E+10	0.	0.
I 134	4.5E+04	4.5E+05	9.4E-10	1.1E-09	0.	0.
I 135	7.0E+05	2.5E+06	2.0E+07	2.4E+07	0.	0.
UN-ID*	4.1E+07	0.	1.0E+11	2.1E+11	0.	0.

*IF SR-90 ANALYSIS IS PERFORMED, USE R(I) GIVEN IN I-131 FOR UNIDENTIFIED COMPONENTS.
IF SR-90 AND I-131 ANALYSES ARE PERFORMED, USE R(I) GIVEN IN CS-137 FOR UNIDENTIFIED COMPONENTS.
IF SR-90, I-131, AND CS-137 ANALYSES ARE PERFORMED, USE R(I) GIVEN IN ZN-65FOR UNIDENTIFIED COMPONENTS.

**FOR TRITIUM, and Carbon THE UNITS OF THE DOSE PARAMETERS ARE MREM/YR PER UCI/M3 FOR ALL PATHWAYS,
AND THEY MUST BE MULTIPLIED BY X/Q IN SPECIFICATIONS 3.11.2.3.A AND B.

TABLE II - 10b
PATHWAY DOSE PARAMETERS FOR RADIONUCLIDES OTHER THAN NOBLE GASES

R(I), CHILD

RADIONUCLIDE	INHALATION (MREM/YR	GROUND PLANE (M2.MREM/YR	COW-MILK (M2.MREM/YR	GOAT-MILK (M2.MREM/YR	ANIMAL-MEAT (M2.MREM/YR	VEGETABLES (M2.MREM/YR
H 3**	1.1E+03	0.	1.6E+03	3.2E+03	2.3E+02	4.6E+03
C 14	3.6E+04	0.	1.7E+06	1.7E+06	5.3 E+05	3.5 E+06
NA 24	1.6E+04	1.2E+07	8.9E+06	1.1E+06	1.9E-03	3.7E+05
P 32	2.6E+06	0.	7.6E+10	9.1E+10	7.3E+09	3.7E+09
CR 51	1.1E+03	4.7E+06	4.8E+06	5.8E+05	4.2E+05	6.1E+06
MN 54	4.3E+04	1.4E+09	1.7E+07	2.0E+06	6.4E+06	6.5E+08
MN 56	1.2E+05	9.0E+05	1.9E+00	2.3E-01	0.	2.7E+03
FE 55	4.7E+04	0.	8.7E+07	1.1E+06	3.6E+08	7.6E+08
FE 59	3.3E+04	2.7E+08	1.7E+08	2.2E+06	5.2E+08	6.3E+08
CO 58	3.4E+04	3.8E+08	5.9E+07	7.1E+06	8.0E+07	3.7E+08
CO 60	9.6E+04	2.2E+10	1.9E+08	2.3E+07	3.0E+08	2.1E+09
NI 63	8.2E+05	0.	2.5E+10	3.0E+09	2.5E+10	4.6E+10
NI 65	8.4E+04	3.0E+05	1.9E+01	2.3E+00	0.	1.2E+03
CU 64	3.7E+04	6.0E+05	3.5E+06	3.9E+05	1.3E-05	5.1E+05
ZN 65	1.1E+05	7.5E+08	9.9E+09	1.2E+09	9.0E+08	2.7E+09
ZN 69	1.0E+04	0.	1.0E-09	1.2E-10	0.	8.7E-04
ZN 69M	1.0E+05	1.3E+06	4.5E+07	5.5E+06	1.7E-03	2.2E+06
BR 84	5.5E+02	2.0E+05	6.9E-23	8.3E-24	0.	3.5E-11
RB 86	2.0E+05	9.0E+06	8.2E+09	9.8E+08	5.4E+08	4.6E+08
RB 88	5.6E+02	3.3E+04	0.	0.	0.	3.4E-22
RB 89	3.5E+02	1.2E+05	0.	0.	0.	3.5E-26
SR 89	6.0E+05	2.2E+04	5.6E+09	1.2E+10	4.1E+08	3.5E+10
SR 90	1.0E+08	0.	9.3E+10	1.9E+11	8.6E+09	1.4E+12
SR 91	1.7E+05	2.1E+06	2.9E+05	6.0E+05	5.0E-10	1.1E+06
SR 92	2.4E+05	7.8E+05	4.2E+01	8.8E+01	0.	1.3E+04
Y 90	2.7E+05	4.5E+03	9.2E+05	1.1E+05	4.9E+05	6.6E+07
Y 91	1.8E+05	1.1E+06	4.4E+06	5.2E+05	2.0E+08	2.4E+09
Y 91M	1.7E+03	1.0E+05	5.6E-16	6.7E-17	0.	1.6E-05
Y 92	2.4E+05	1.8E+05	7.4E+00	8.9E-01	8.1E-35	4.5E+04
Y 93	3.9E+05	1.8E+05	1.5E+04	1.8E+03	1.2E-07	4.4E+06
ZR 95	6.1E+04	2.5E+08	7.4E+05	8.8E+04	5.2E+08	8.8E+08
ZR 97	3.5E+05	2.9E+06	4.1E+04	4.9E+03	5.8E-01	1.2E+07
NB 95	3.7E+04	1.4E+08	2.0E+08	2.4E+07	2.0E+09	2.9E+08
MO 99	3.9E+02	4.0E+06	1.7E+08	2.1E+07	2.4E+05	1.7E+07
TC 99M	4.8E+03	1.8E+05	1.5E+04	1.8E+03	8.0E-18	5.3E+03
TC 101	1.6E+01	2.0E+04	0.	0.	0.	3.6E-30
RU 103	4.5E+04	1.1E+08	9.6E+04	1.2E+04	3.5E+09	3.9E+08
RU 105	1.0E+05	6.4E+05	2.5E+00	3.0E-01	6.6E-25	5.9E+04
RU 106	4.3E+05	4.2E+08	1.2E+06	1.4E+05	5.6E+10	1.2E+10
AG 110M	1.0E+05	3.5E+09	1.4E+10	1.7E+09	5.6E+08	2.8E+09
CD 113M	6.0E+04	4.8E+06	4.2E+07	5.0E+06	2.3E+07	6.5E+09
CD 115M	1.8E+05	0.	5.1E+07	6.1E+06	2.1E+07	2.0E+09
SN 123	4.8E+05	0.	2.0E+09	2.4E+08	7.1E+09	6.3E+09
SN 126	2.3E+06	2.6E+10	5.4E+09	6.4E+08	2.1E+10	2.4E+10
SB 124	1.6E+05	6.0E+08	5.7E+08	6.8E+07	1.5E+08	2.2E+09
SB 125	4.0E+04	2.3E+09	1.6E+08	2.0E+07	5.4E+07	1.2E+09
TE 125M	6.7E+03	1.6E+06	6.9E+07	8.3E+06	5.3E+08	4.4E+08
TE 127	5.6E+04	8.3E+05	1.3E+08	1.6E+07	1.1E+09	1.2E+09
TE 127M	6.4E+04	9.2E+04	5.8E+08	7.0E+07	5.0E+09	5.4E+09
TE 129	2.5E+04	1.8E+07	4.4E+07	5.3E+06	2.9E+08	1.7E+08
TE 129M	5.0E+04	2.0E+07	7.5E+08	9.0E+07	4.9E+09	2.9E+09
TE 131	1.3E+03	2.1E+06	9.9E+04	1.2E+04	4.3E+01	9.9E+04
TE 131M	3.1E+05	8.0E+06	2.3E+07	2.7E+06	1.0E+04	2.3E+07
TE 132	1.4E+05	4.2E+06	4.7E+07	5.6E+06	9.7E+06	3.3E+07
CS 134	1.0E+06	6.8E+09	2.9E+10	8.8E+10	1.2E+09	2.6E+10

CS 136	1.7E+05	1.5E+08	2.6E+09	7.9E+09	4.2E+07	2.2E+08
CS 137	8.3E+05	1.0E+10	2.5E+10	7.5E+10	1.0E+09	2.4E+10
CS 138	8.4E+02	3.6E+05	5.3E-23	1.6E-22	0.	7.8E-11
BA 139	5.8E+04	1.1E+05	1.2E-05	1.4E-06	0.	2.7E+00
BA 140	7.4E+04	2.1E+07	1.1E+08	1.3E+07	4.2E+07	2.8E+08
BA 141	2.0E-01	4.2E+04	0.	0.	0.	1.6E-21
BA 142	5.0E-02	4.5E+04	0.	0.	0.	6.4E-39
LA 140	2.3E+05	1.9E+07	1.9E+05	2.3E+04	5.4E+02	3.2E+07
LA 142	7.6E+04	7.7E+05	6.2E-06	7.5E-07	0.	2.2E+01
CE 141	5.7E+04	1.4E+07	1.2E+07	1.4E+06	1.2E+07	4.0E+08
CE 143	1.3E+05	2.3E+06	1.5E+06	1.8E+05	2.5E+02	1.4E+07
CE 144	3.9E+05	7.0E+07	1.0E+08	1.3E+07	1.5E+08	1.0E+10
PR 143	9.7E+04	0.	7.4E+05	8.9E+04	3.4E+07	1.6E+08
PR 144	2.0E+02	1.8E+03	0.	0.	0.	2.9E-23
ND 147	8.2E+04	8.4E+06	5.5E+05	6.6E+04	1.5E+07	9.2E+07
PM 147	2.1E+04	0.	2.9E+05	3.5E+04	3.4E+07	6.1E+08
PM 148M	1.3E+05	1.5E+08	1.5E+06	1.8E+05	1.3E+08	1.3E+09
SM 151	1.3E+04	1.3E+08	1.8E+05	2.1E+04	2.2E+07	4.0E+08
W 187	9.1E+04	2.4E+06	2.4E+06	2.9E+05	2.7E+00	5.3E+06
NP 239	6.4E+04	1.7E+06	9.2E+04	1.1E+04	2.3E+03	1.4E+07
I 130	1.8E+06	5.5E+07	3.3E+10	3.9E+10	1.7E+08	3.5E+09
I 131	1.6E+07	1.7E+07	4.3E+11	5.1E+11	5.4E+09	4.8E+10
I 132	1.9E+05	1.2E+06	5.9E+01	7.1E+01	0.	7.6E+03
I 133	3.8E+06	2.4E+06	3.9E+09	4.7E+09	1.3E+02	8.1E+08
I 134	5.1E+04	4.5E+05	4.1E-10	4.9E-10	0.	6.4E-03
I 135	7.9E+05	2.5E+06	8.5E+06	1.0E+07	9.2E-15	9.8E+06
UN-ID*	1.0E+08	0.	9.3E+10	1.9E+11	8.6E+09	1.4E+12

*IF SR-90 ANALYSIS IS PERFORMED, USE R(I) GIVEN IN I-131 FOR UNIDENTIFIED COMPONENTS.
IF SR-90 AND I-131 ANALYSES ARE PERFORMED, USE R(I) GIVEN IN CS-137 FOR UNIDENTIFIED COMPONENTS.
IF SR-90, I-131, AND CS-137 ANALYSES ARE PERFORMED, USE R(I) GIVEN IN ZN-65FOR UNIDENTIFIED COMPONENTS
and Carbon

**FOR TRITIUM, THE UNITS OF THE DOSE PARAMETERS ARE MREM/YR PER UCI/M3 FOR ALL PATHWAYS, AND THEY MUST BE MULTIPLIED BY X/Q IN SPECIFICATIONS 3.11.2.3.A AND B.

TABLE II - 10 C
R(I), TEENAGERS PATHWAY DOSE PARAMETERS FOR RADIONUCLIDES OTHER THAN NOBLE GASES

RADIO-NUCLIDE	INHALATION (MREM/YR	GROUND PLANE (M2.MREM/YR	COW-MILK (M2.MREM/YR	GOAT-MILK (M2.MREM/YR	ANIMAL-MEAT (M2.MREM/YR	VEGETABLES (M2.MREM/YR
H 3**	1.3E+03	0.	9.9E+02	2.0E+03	1.9E+02	2.6E+03
C 14	2.6E+04	0.	6.7E+05	6.7E +05	2.8E+05	1.5E +06
NA 24	1.4E+04	1.2E+07	4.3E+06	5.2E+05	1.2E-03	2.4E+05
P 32	1.9E+06	0.	3.1E+10	3.7E+10	3.8E+09	1.8E+09
CR 51	3.0E+03	4.7E+06	7.5E+06	9.0E+05	8.4E+05	1.0E+07
MN 54	6.7E+04	1.4E+09	2.3E+07	2.8E+06	1.1E+07	9.2E+08
MN 56	5.7E+04	9.0E+05	4.9E-01	5.9E-02	0.	9.2E+02
FE 55	3.3E+04	0.	3.5E+07	4.5E+05	1.9E+08	3.1E+08
FE 59	1.8E+05	2.7E+08	2.5E+08	3.2E+06	1.0E+09	9.7E+08
CO 58	9.5E+04	3.8E+08	9.1E+07	1.1E+07	1.6E+08	5.9E+08
CO 60	2.6E+05	2.2E+10	2.9E+08	3.4E+07	6.0E+08	3.2E+09
NI 63	5.8E+05	0.	1.0E+10	1.2E+09	1.3E+10	1.9E+10
NI 65	3.7E+04	3.0E+05	4.7E+00	5.6E-01	0.	3.9E+02
CU 64	6.1E+04	6.0E+05	3.3E+06	3.6E+05	1.6E-	6.4E+05
ZN 65	1.3E+05	7.5E+08	6.6E+09	7.9E+08	7.8E-	1.9E+09
ZN 69	9.2E-02	0.	8.5E-12	1.0E-12	0.	9.8E-06
ZN 69M	1.7E+05	1.3E+06	4.4E+07	5.2E+06	2.2E-03	2.8E+06
BR 84	4.3E+02	2.0E+05	3.1E-23	3.7E-24	0.	2.1E-11
RB 86	1.9E+05	9.0E+06	4.4E+09	5.3E+08	3.8E+08	2.8E+08
RB 88	5.5E+02	3.3E+04	0.	0.	0.	2.5E-22
RB 89	3.5E+02	1.2E+05	0.	0.	0.	2.7E-26
SR 89	4.3E+05	2.2E+04	2.3E+09	4.8E+09	2.2E+08	1.5E+10
SR 90	1.1E+08	0.	5.5E+10	1.2E+11	6.7E+09	8.3E+11
SR 91	2.6E+05	2.1E+06	2.4E+05	5.0E+05	5.5E-10	1.3E+06
SR 92	1.2E+05	7.8E+05	2.3E+01	4.8E+01	0.	9.9E+03
Y 90	5.6E+05	4.5E+03	1.1E+06	1.3E+05	7.5E+05	1.0E+08
Y 91	4.1E+05	1.1E+06	5.4E+06	6.5E+05	3.3E+08	3.1E+09
Y 91M	3.0E+01	1.0E+05	5.5E-18	6.7E-19	0.	2.2E-07
Y 92	1.6E+05	1.8E+05	2.9E+00	3.5E-01	4.1E-35	2.3E+04
Y 93	5.8E+05	1.8E+05	1.3E+04	1.5E+03	1.4E-07	4.9E+06
ZR 95	1.5E+05	2.5E+08	1.0E+06	1.2E+05	9.2E+08	1.2E+09
ZR 97	6.3E+05	2.9E+06	4.1E+04	4.9E+03.	7.6E-01	1.6E+07
NB 95	9.7E+04	1.4E+08	2.9E+08	3.5E+07	3.7E+09	4.5E+08
MO 99	4.1E+02	4.0E+06	1.0E+08	1.2E+07	1.9E+05	1.3E+07
TC 99M	6.1E+03	1.8E+05	1.1E+04	1.3E+03	7.5E-18	5.0E+03
TC 101	1.5E-03	2.0E+04	0.	0.	0.	1.5E-29
RU 103	1.1E+05	1.1E+08	1.3E+05	1.6E+04	6.2E+09	5.7E+08
RU 105	9.0E+04	6.4E+05	1.3E+00	1.5E-01	4.4E-25	4.0E+04
RU 106	9.6E+05	4.2E+08	1.4E+06	1.7E+05	9.1E+10	1.5E+10
AG 110M	2.7E+05	3.5E+09	2.1E+10	2.6E+09	1.1E+09	4.3E+09
CD 113M	1.3E+05	4.8E+06	5.3E+07	6.3E+06	3.8E+07	8.2E+09
CD 115M	4.1E+05	0.	6.4E+07	7.6E+06	3.5E+07	2.6E+09
SN 123	3.3E+05	0.	1.2E+09	1.4E+08	5.7E+09	4.0E+09
SN 126	1.7E+06	2.6E+10	2.3E+09	2.7E+08	1.2E+10	1.0E+10
SB 124	4.0E+05	6.0E+08	7.8E+08	9.3E+07	2.7E+08	3.0E+09
SB 125	9.9E+04	2.3E+09	2.2E+08	2.7E+07	9.6E+07	1.6E+09
TE 125M	7.5E+04	1.6E+06	8.3E+07	1.0E+07	8.4E+08	5.5E+08
TE 127	8.1E+04	8.3E+05	1.0E+08	1.3E+07	1.2E+09	1.0E+09
TE 127M	6.5E+04	9.2E+04	3.3E+08	4.0E+07	3.7E+09	3.2E+09
TE 129	2.7E-01	1.8E+07	1.2E+06	1.4E+05	1.0E+07	4.9E+06
TE 129M	5.2E+04	2.0E+07	4.3E+08	5.2E+07	3.7E+09	1.8E+09
TE 131	6.2E-02	2.1E+06	3.4E+04	4.0E+03	1.9E+01	4.5E+04
TE 131M	6.2E+05	8.0E+06	2.6E+07	3.1E+06	1.5E+04	3.4E+07
TE 132	4.6E+05	4.2E+06	8.8E+07	1.1E+07	2.4E+07	8.4E+07
CS 134	1.1E+06	6.8E+09	1.8E+10	5.5E+10	9.7E+08	1.6E+10

S 136	1.9E+05	1.5E+08	1.7E+09	5.0E+09	3.5E+07	1.7E+08
S 137	8.5E+05	1.0E+10	1.4E+10	4.3E+10	7.8E+08	1.4E+10
CS 138	8.6E+02	3.6E+05	3.0E-23	9.1E-23	0.	5.9E-11
BA 139	6.4E+03	1.1E+05	7.3E-07	8.8E-08	0.	2.3E-01
BA 140	2.3E+05	2.1E+07	7.2E+07	8.6E+06	3.5E+07	2.1E+08
BA 141	1.4E-01	4.2E+04	0.	0.	0.	8.6E-22
BA 142	3.7E-02	4.5E+04	0.	0.	0.	3.5E-39
LA 140	4.9E+05	1.9E+07	2.3E+05	2.7E+04	8.6E+02	5.1E+07
LA 142	1.2E+04	7.7E+05	5.5E-07	6.6E-08	0.	2.6E+00
CE 141	1.3E+05	1.4E+07	1.5E+07	1.8E+06	2.0E+07	5.3E+08
CE 143	2.6E+05	2.3E+06	1.7E+06	2.0E+05	3.7E+02	2.0E+07
CE 144	8.6E+05	7.0E+07	1.3E+08	1.6E+07	2.4E+08	1.3E+10
PR 143	2.1E+05	0.	9.1E+05	1.1E+05	5.5E+07	2.3E+08
PR 144	4.3E-02	1.8E+03	0.	0.	0.	2.3E-26
ND 147	1.8E+05	8.4E+06	6.9E+05	8.2E+04	2.4E+07	1.4E+08
PM 147	4.7E+04	0.	3.6E+05	4.4E+04	5.6E+07	7.8E+08
PM 148M	3.3E+05	1.5E+08	2.1E+06	2.5E+05	2.4E+08	1.8E+09
SM 151	2.8E+04	1.3E+08	2.2E+05	2.7E+04	3.6E+07	5.0E+08
W 187	1.8E+05	2.4E+06	2.6E+06	3.2E+05	3.8E+00	7.8E+06
NP 239	1.3E+05	1.7E+06	1.1E+05	1.3E+04	3.5E+03	2.1E+07
I 130	1.5E+06	5.5E+07	1.5E+10	1.8E+10	1.0E+08	2.1E+09
I 131	1.5E+07	1.7E+07	2.2E+11	2.6E+11	3.6E+09	3.1E+10
I 132	1.5E+05	1.2E+06	2.6E+01	3.1E+01	0.	4.4E+03
I 133	2.9E+06	2.4E+06	1.7E+09	2.0E+09	7.2E+01	4.5E+08
I 134	4.0E+04	4.5E+05	1.8E-10	2.1E-10	0.	3.7E-03
I 135	6.2E+05	2.5E+06	3.7E+06	4.5E+06	5.3E-15	7.7E+06
UN-I0*	1.1E+08	0.	5.5E+10	1.2E+11	6.7E+09	3.3E+11

*IF SR-90 ANALYSIS IS PERFORMED, USE R(I) GIVEN IN I-131 FOR UNIDENTIFIED COMPONENTS.
IF SR-90 AND I-131 ANALYSES ARE PERFORMED, USE R(I) GIVEN IN CS-137 FOR UNIDENTIFIED COMPONENTS.
IF SR-90, I-131, AND CS-137 ANALYSES ARE PERFORMED, USE R(I) GIVEN IN ZN-65FOR UNIDENTIFIED COMPONENTS and Carbon

**FOR TRITIUM, THE UNITS OF THE DOSE PARAMETERS ARE MREM/YR PER UCI/M3 FOR ALL PATHWAYS, AND THEY MUST BE MULTIPLIED BY X/Q IN SPECIFICATIONS 3.11.2.3.A AND B.

TABLE II - 10 d

R(I), ADULT PATHWAY DOSE PARAMETERS FOR RADIONUCLIDES OTHER THAN NOBLE GASES

RADIO-NUCLIDE	INHALATION (MREM/YR	GROUND PLANE (M2.MREM/YR	COW-MILK (M2.MREM/YR	GOAT-MILK (M2.MREM/YR	ANIMAL-MEAT (M2.MREM/YR	VEGETABLES (M2.MREM/YR
H 3**	1.3E+03	0.	7.6E+02	1.6E+03	3.2E+02	2.3E+03
C 14	1.8E+04	0.	3.6E+05	3.6E+05	3.3E+05	9.0E+05
NA 24	1.0E+04	1.2E+07	2.5E+06	3.0E+05	1.5E-03	2.7E+05
P 32	1.3E+06	0.	1.7E+10	2.0E+10	4.6E+09	1.5E+09
CR 51	3.3E+03	4.7E+06	6.4E+06	7.7E+05	1.6E+06	1.2E+07
MN 54	7.7E+04	1.4E+09	2.1E+07	2.5E+06	2.2E+07	9.4E+08
MN 56	2.0E+04	9.0E+05	1.3E-01	1.6E-02	0.	5.0E+02
FE 55	2.5E+04	0.	2.0E+07	2.5E+05	2.3E+08	2.0E+08
FE 59	1.9E+05	2.7E+08	2.0E+08	2.6E+06	1.8E+09	9.7E+08
CO 58	1.1E+05	3.8E+08	7.9E+07	9.5E+06	3.1E+08	6.1E+08
CO 60	2.8E+05	2.2E+10	2.4E+08	2.9E+07	1.1E+09	3.1E+09
NI 63	4.3E+05	0.	5.7E+09	6.8E+08	1.6E+10	1.2E+10
NI 65	1.2E+04	3.0E+05	1.2E+00	1.5E-01	0.	2.0E+02
CU 64	4.9E+04	6.0E+05	2.0E+06	2.2E+05	2.2E-05	7.8E+05
ZN 65	1.0E+05	7.5E+08	3.9E+09	4.7E+08	1.0E+09	1.3E+09
ZN 69	6.5E-02	0.	4.6E-12	5.5E-13	0.	1.1E-05
ZN 69M	1.4E+05	1.3E+06	2.7E+07	3.2E+06	2.9E-05	3.4E+06
BR 84	3.1E+02	2.0E+05	1.7E-23	2.1E-24	0.	2.3E-11
RB 86	1.4E+05	9.0E+06	2.4E+09	2.9E+08	4.5E+0	2.2E+08
RB 88	3.9E+02	3.3E+04	0.	0.	0.	2.7E-22
RB 89	2.6E+02	1.2E+05	0.	0.	0.	3.0E-26
SR 89	3.0E+05	2.2E+04	1.2E+09	2.6E+09	2.6E+08	9.8E+09
SR 90	9.9E+07	0.	3.9E+10	8.2E+10	1.0E+10	6.7E+11
SR 91	1.9E+05	2.1E+06	1.4E+05	2.9E+05	6.8E-10	1.4E+06
SR 92	4.3E+04	7.8E+05	9.8E+00	2.1E+01	0.	8.3E+03
Y 90	5.1E+05	4.5E+03	7.5E+05	9.0E+04	1.1E+06	1.4E+08
Y 91	3.8E+05	1.1E+06	4.0E+06	4.8E+05	5.2E+08	2.7E+09
Y 91M	1.3E+00	1.0E+05	1.9E-19	2.3E-20	0.	1.4E-08
Y 92	7.4E+04	1.8E+05	9.9E-01	1.2E-01	3.1E-35	1.6E+04
Y 93	4.2E+05	1.8E+05	7.2E+03	8.6E+02	1.7E-07	5.4E+06
ZR 95	1.5E+05	2.5E+08	3.0E+05	9.7E+04	1.6E+09	1.2E+09
ZR 97	5.2E+05	2.9E+06	2.6E+04	3.2E+03	1.1E+00	2.1E+07
NB 95	1.0E+05	1.4E+08	2.4E+08	2.9E+07	6.8E+09	4.7E+08
MO 99	2.9E+02	4.0E+06	5.6E+07	6.7E+06	2.3E+05	1.4E+07
TC 99M	4.2E+03	1.8E+05	5.7E+03	6.8E+02	8.6E-18	5.2E+03
TC 101	1.1E-03	2.0E+04	0.	0.	0.	1.6E-29
RU 103	1.1E+05	1.1E+08	1.0E+05	1.2E+04	1.1E+10	5.5E+08
RU 105	4.8E+04	6.4E+05	5.3E-01	6.4E-02	4.0E-25	3.3E+04
RU 106	9.1E+05	4.2E+08	1.1E+06	1.3E+05	1.5E+11	1.3E+10
AG 110M	3.0E+05	3.5E+09	1.8E+10	2.2E+09	2.1E+09	4.3E+09
CD 113M	1.3E+05	4.8E+06	3.8E+07	4.6E+06	6.0E+07	6.9E+09
CD 115M	3.8E+05	0.	4.6E+07	5.6E+06	5.5E+07	2.3E+09
SN 123	3.1E+05	0.	8.8E+08	1.1E+08	9.1E+09	3.4E+09
SN 126	1.3E+06	2.6E+10	1.3E+09	1.5E+08	1.5E+10	6.6E+09
SB 124	4.1E+05	6.0E+08	6.1E+08	7.4E+07	4.7E+08	2.9E+09
SB 125	1.0E+05	2.3E+09	1.8E+08	2.1E+07	1.7E+08	1.5E+09
TE 125M	7.1E+04	1.6E+06	6.1E+07	7.3E+06	1.3E+09	4.8E+08
TE 127	5.7E+04	8.3E+05	5.7E+07	6.9E+06	1.4E+09	6.5E+08
TE 127M	4.6E+04	9.2E+04	1.8E+08	2.2E+07	4.4E+09	2.0E+09
TE 129	1.9E-01	1.8E+07	6.5E+05	7.8E+04	1.2E+07	3.4E+06
TE 129M	3.7E+04	2.0E+07	2.4E+08	2.8E+07	4.4E+09	1.2E+09
TE 131	4.4E-02	2.1E+06	1.8E+04	2.2E+03	2.3E+01	4.8E+04
TE 131M	5.6E+05	8.0E+06	1.8E+07	2.1E+06	2.2E+04	4.7E+07
TE 132	5.1E+05	4.2E+06	7.5E+07	9.0E+06	6.5E+07	1.4E+08
CS 134	8.5E+05	6.8E+09	1.1E+10	3.2E+10	1.2E+09	1.1E+10

CS 136	1.5E+05	1.5E+08	9.9E+08	3.0E+09	4.5E+07	1.7E+08
CS 137	6.2E+05	1.0E+10	8.1E+09	2.4E+10	9.6E+08	9.1E+09
CS 138	6.2E+02	3.6E+05	1.7E-23	5.1E-23	0.	6.6E-11
BA 139	9.0E+02	1.1E+05	7.9E-08	9.4E-09	0.	4.8E-02
BA 140	2.2E+05	2.1E+07	5.3E+07	6.3E+06	5.7E+07	2.6E+08
BA 141	1.0E-01	4.2E+04	0.	0.	0.	9.2E-22
BA 142	2.6E-02	4.5E+04	0.	0.	0.	3.8E-39
LA 140	4.6E+05	1.9E+07	1.7E+05	2.0E+04	1.4E+03	7.3E+07
LA 142	2.1E+03	7.7E+05	7.5E-08	9.0E-09	0.	7.1E-01
CE 141	1.2E+05	1.4E+07	1.1E+07	1.3E+06	3.2E+07	5.0E+08
CE 143	2.3E+05	2.3E+06	1.2E+06	1.4E+05	5.6E+02	2.8E+07
CE 144	8.2E+05	7.0E+07	9.6E+07	1.1E+07	3.9E+08	1.1E+10
PR 143	2.0E+05	0.	6.6E+05	7.9E+04	8.8E+07	2.7E+08
PR 144	3.0E-02	1.8E+03	0.	0.	0.	2.5E-26
ND 147	1.7E+05	8.4E+06	5.1E+05	6.1E+04	3.8E+07	1.9E+08
PM 147	4.4E+04	0.	2.7E+05	3.2E+04	8.9E+07	6.5E+08
PM 148M	3.3E+05	1.5E+08	1.6E+06	1.9E+05	3.9E+08	1.7E+09
SM 151	2.6E+04	1.3E+08	1.6E+05	1.9E+04	5.6E+07	4.1E+08
W 187	1.6E+05	2.4E+06	1.8E+06	2.1E+05	5.7E+00	1.0E+07
NP 239	1.2E+05	1.7E+06	7.4E+04	8.9E+03	5.3E+03	2.9E+07
I 130	1.1E+06	5.5E+07	9.0E+09	1.1E+10	1.4E+08	2.5E+09
I 131	1.2E+07	1.7E+07	1.4E+11	1.6E+11	4.9E+09	3.8E+10
I 132	1.1E+05	1.2E+06	1.5E+01	1.8E+01	0.	5.2E+03
I 133	2.2E+06	2.4E+06	9.9E+08	1.2E+09	9.3E+01	3E+08
I 134	3.0E+04	4.5E+05	1.1E-10	1.3E-10	0.	4.4E-03
I 135	4.5E+05	2.5E+06	2.2E+06	2.6E+06	6.7E-15	6.6E+06
UN-I0*	9.9E+07	0.	3.9E+10	8.2E+10	1.0E+10	6.7E+11

*IF SR-90 ANALYSIS IS PERFORMED, USE R(I) GIVEN IN I-131 FOR UNIDENTIFIED COMPONENTS.
IF SR-90 AND I-131 ANALYSES ARE PERFORMED, USE R(I) GIVEN IN CS-137 FOR UNIDENTIFIED COMPONENTS.
IF SR-90, I-131, AND CS-137 ANALYSES ARE PERFORMED, USE R(I) GIVEN IN ZN-65FOR UNIDENTIFIED COMPONENTS.

**FOR TRITIUM, and Carbon THE UNITS OF THE DOSE PARAMETERS ARE MREM/YR PER UCI/M3 FOR ALL PATHWAYS, AND THEY MUST BE MULTIPLIED BY X/Q IN SPECIFICATIONS 3.11.2.3.A AND B.

PATHWAY DOSE FACTORS DUE TO RADIONUCLIDES OTHER THAN NOBLE GASES (MAXIMUM DOSE CONVERSION FACTOR, AGE INDEPENDENT

RADIONUCLIDE	INHALATION PATHWAY R_i (mRem/yr per µCi/m³)	MEAT PATHWAY R_i (m² mRem/yr per µCi/sec)	GROUND PLANE PATHWAY R_i (m² mRem/yr per µCi/sec)	COW-MILK PATHWAY R_i (m² mRem/yr per µCi/sec)	LEAFY VEGETABLES PATHWAY R_i (m² mRem/yr per µCi/sec)	GOAT-MILK R_i (m² mRem/yr per µCi/sec)
H-3	1.3 (3)*	3.2 (2)	0.	2.4 (3)	4.0 (3)	4.9 (3)
CR-51	3.3 (3)	1.6 (6)	4.7 (6)	7.5 (6)	1.2 (7)	9.0 (5)
MN-54	7.7 (4)	2.2 (7)	1.4 (9)	3.1 (7)	9.4 (8)	3.7 (6)
FE-59	1.9 (5)	1.8 (9)	2.7 (8)	3.4 (8)	9.7 (8)	4.4 (6)
CO-58	1.1 (5)	3.1 (8)	3.8 (8)	9.1 (7)	6.1 (8)	1.1 (7)
CO-60	2.8 (5)	1.1 (9)	2.2 (10)	2.9 (8)	3.2 (9)	3.4 (7)
ZN-65	1.3 (5)	1.0 (9)	7.5 (8)	1.7 (10)	2.7 (9)	2.1 (9)
SR-89	6.0 (5)	2.6 (8)	2.2 (4)	1.1 (10)	3.5 (10)	2.2 (10)
SR-90	1.1 (8)	1.0 (10)	0.	1.0 (11)	1.4 (12)	2.1 (11)
ZR-95	1.5 (5)	1.6 (9)	2.5 (8)	1.0 (6)	1.2 (9)	1.2 (5)
I-131	1.6 (7)	5.4 (9)	1.7 (7)	1.0 (12)	4.8 (10)	1.2 (12)
I-133	3.8 (6)	1.3 (2)	2.4 (6)	9.6 (9)	8.1 (8)	1.2 (10)
CS-134	1.1 (6)	1.2 (9)	6.8 (9)	5.4 (10)	2.6 (10)	1.6 (11)
CS-136	1.9 (5)	4.5 (7)	1.5 (8)	5.5 (9)	2.2 (8)	1.7 (10)
CS-137	8.5 (5)	1.0 (9)	1.0 (10)	4.9 (10)	2.4 (10)	1.5 (11)
BA-140	2.3 (5)	5.7 (7)	2.1 (7)	2.3 (8)	2.8 (8)	2.8 (7)
CE-141	1.3 (5)	3.2 (7)	1.4 (7)	1.5 (7)	5.3 (8)	1.8 (6)

*1.3 (3) = 1.3×10^3

ENVIRONMENTAL SAMPLING LOCATION CODES

CODE	DISTANCE FROM SITE	SECTOR	SAMPLE TYPE
A1*		NNE	AIR PRECIPITATION & TLD
A2		NE	AIR PRECIPITATION & TLD
A3		ENE	AIR PRECIPITATION & TLD
A4		ESE	AIR PRECIPITATION & TLD
A5	WITHIN 2000 FEET	SW	AIR PRECIPITATION & TLD
A6	RADIUS REGION	SSW	AIR PRECIPITATION & TLD
A7		NNE	TLD ONLY
A8		ENE	TLD ONLY
A9		SSE	TLD ONLY
W1*	2000 (FEET)	9°(NNE)	WATER WELL
W2	3400 (FEET)	65°(NE)	WATER WELL
W3	4500 (FEET)	84°(ENE)	WATER WELL
W4	400 (FEET)	345°(NW)	WATER WELL
W5	250 (FEET)	289°(W)	WATER WELL
W6	500 (FEET)	223°(SSW)	WATER WELL
W7	3000 (FEET)	186°(S)	WATER WELL
L1*	CONDENSER COOLING WATER INTAKE	W	LAKE WATER
L2	500 FEET SOUTHWEST OF DISCHARGE POINT	SSW	LAKE WATER
L3	500 FEET NORTHWEST OF DISCHARGE POINT	NNE	LAKE WATER

*FROM INFORMATION SHEET 3.34

ENVIRONMENTAL SAMPLING LOCATION CODES

CODE	DISTANCE FROM SITE	SECTOR	SAMPLE TYPE
A1**		NNE	TLD ONLY
A2		NNE	TLD ONLY
A3		NE	TLD ONLY
A4		ENE	TLD ONLY
A5	WITHIN 4-5 MILES	ESE	TLD ONLY
A6	RADIUS REGION	SE	TLD ONLY
A7		S	TLD ONLY
A8		SSE	TLD ONLY
A9		E	TLD ONLY
A10		SSW	TLD ONLY
A1***	20 MILES	NNE	AIR PRECIPITATION & TLD
A2	24 MILES	ENE	AIR PRECIPITATION & TLD
A3	26 MILES	SE	AIR PRECIPITATION & TLD
A4	16 MILES	SSW	AIR PRECIPITATION & TLD
M1***	WITHIN 4-5	NE	MILK
M2	MILES RADIUS	ESE	MILK
M3	REGION	SE	MILK
M4	18 MILES	E	MILK
M5	20 MILES	S	MILK
L1***	2,800 FEET	SSW	LAKE WATER
L2	9 MILES	NNE	LAKE WATER
L3	11 MILES	NNE	LAKE WATER
L4	16 MILES	SSW	LAKE WATER

**FROM INFORMATION SHEET 3.35
***FROM INFORMATION SHEET 3.36

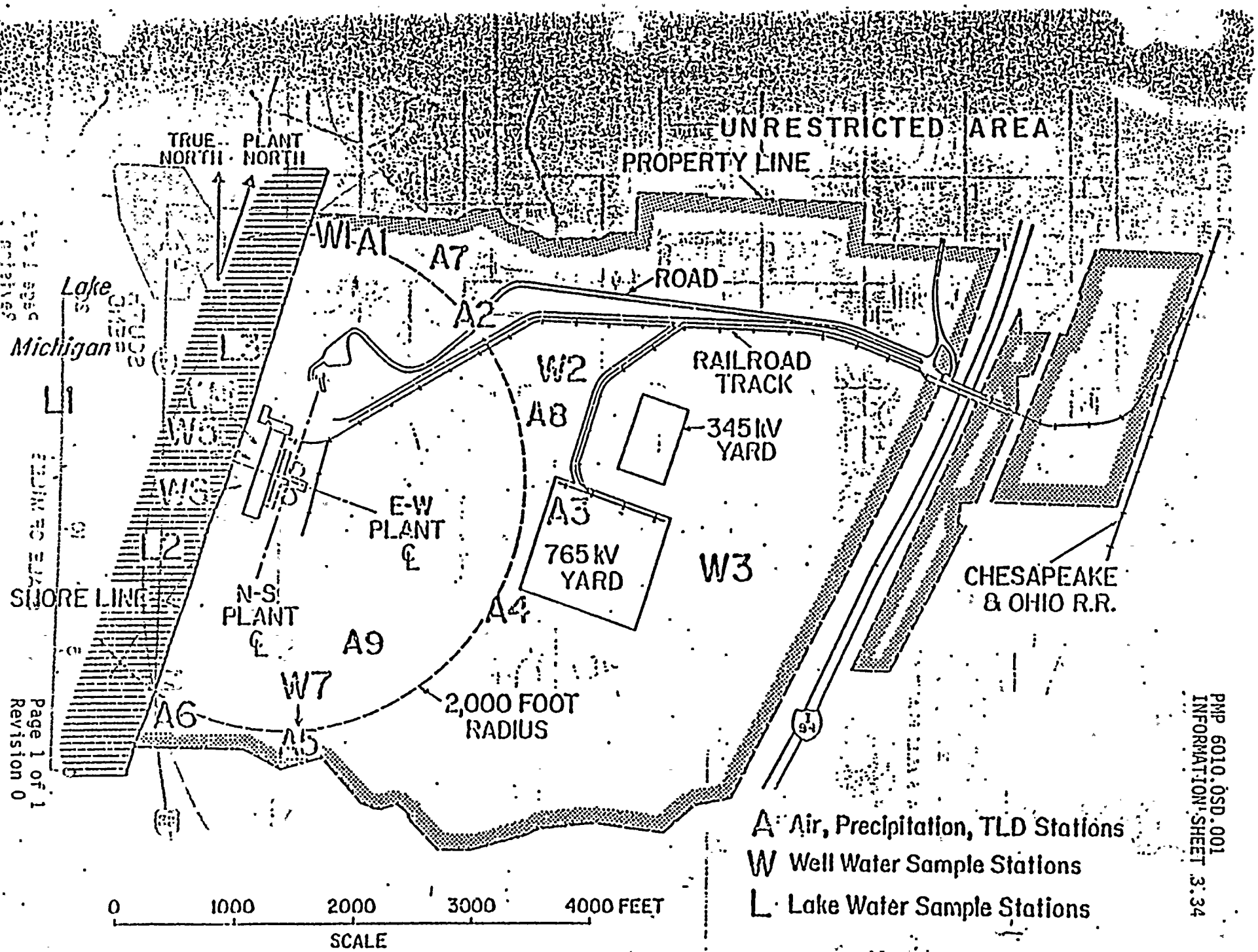

UNRESTRICTED AREA
PROPERTY LINE
TRUE NORTH
PLANT NORTH
W1
A1
A7
A2
ROAD
Lake Michigan
L3
L1
W2
A8
RAILROAD TRACK
345 kV YARD
W5
W6
E-W PLANT ℄
A3
765 kV YARD
W3
L2
SHORE LINE
N-S PLANT ℄
A4
A9
W7
A6
A5
2,000 FOOT RADIUS
CHESAPEAKE & OHIO R.R.
A Air, Precipitation, TLD Stations
W Well Water Sample Stations
L Lake Water Sample Stations
0
1000
2000
3000
4000 FEET
SCALE

Figure IV-1

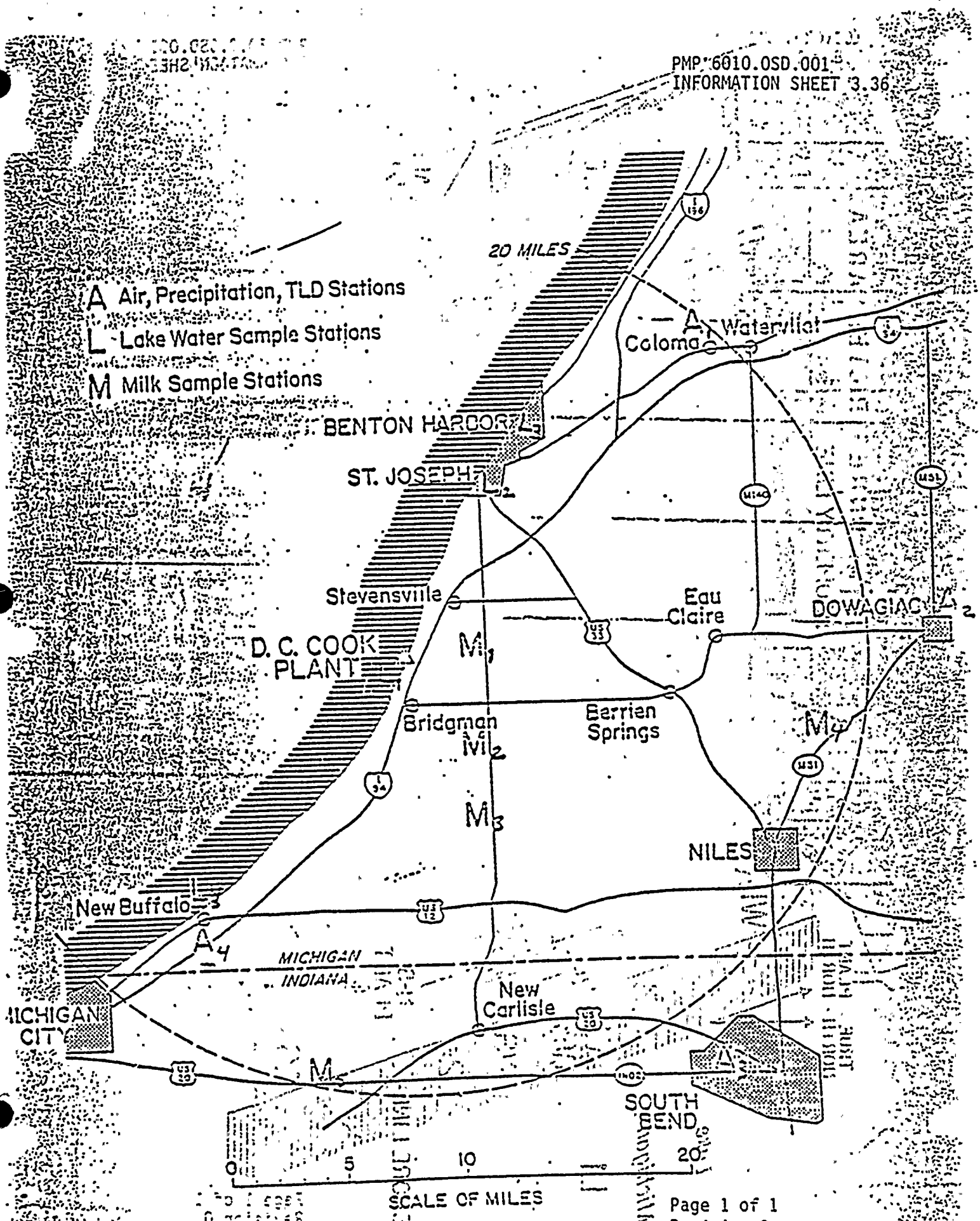


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Figure IV-3

ANNUAL EVALUATION OF X/Q VALUES FOR ALL SECTORS

1. Received annual update of X/Q values from Environmental Section.

Signature

R.P. Section
(print name, title)

2. Worst X/Q value and sector determined. PMP 6010.OSD.001, 12 THP 6010.RAD.335 (Gaseous Releases) and Computer Program have been updated. RE&M date due, file updated.

Signature

R.P. Section
(print name, title)

3. Approved and verified by:

Signature

R.P. Section
(print name, title)

DEFINITIONS OF TERMS/VARIABLES USED IN PMP 6010.OSD.001

c = the setpoint, in μCi/ml, of the radioactive monitor measuring the radioactivity concentration in the effluent line prior to dilution and subsequent release.

f = the effluent flow rate as measured at the radiation monitor location, in volume per unit time.

F = the dilution water flow rate as measured prior to the release point, in volume per unit time (gpm). The minimum available dilution water flow rate (F) is 230,000 gpm for one circulation pump in operation. For two or more pumps, the available dilution flow rates are:

2 circulation pumps	- 460,000 gpm
3 circulation pumps	- 690,000 gpm
4 circulation pumps (Unit 2 only)	- 920,000 gpm

C = effluent concentration limit, Technical Specification 3-11.1, implementing 10CFR20 for the site, in μCi/ml.

C_i = tank concentration for radionuclide i.

MPC_i = maximum permissible concentration for radionuclide i.

SF = an administrative operation safety factor, ≤ 1.0.

MRP = a weighed multiple release point factor, ≤ 1.0, such that when all site releases are integrated, the applicable MPC will not be exceeded. The MRP for each of all gaseous or liquid effluent release points will be based on past operational experience.

E = Relative detector efficiency =

$$\frac{\text{Efficiency for } \gamma\text{-energy, G}}{\text{Efficiency for the equivalent radionuclide}}$$

G = is the weighted γ-energy per disintegration for the mixture.

$$= \Sigma \frac{(\text{Isotope concentration})(\text{Effective } \gamma\text{-energy/dist.})}{\text{Total Concentration}}$$

D_o = the cumulative dose commitment to the total body or any organ, o, from the liquid effluents for the total time period Δt, in mRem.

Δt_l = the length of the lth time period over which C_{il} and F_l are averaged for all liquid releases, in hours.

C_{il} = the average concentration of radionuclide, i, period t_l, from any liquid release, in μCi/ml.

A_{io} = the site related ingestion dose commitment factor to the whole body or any organ, o, for each identified principal gamma and beta emitter.

F_l = the near Field average dilution factor for C_{il} during any liquid effluent release.

K_o = units conversion factor = $1.14 \times 10^5 = 10^6$ pCi/μCi x 10^3 ml/Kg/8760 hr/yr.

U_w = maximum adult water consumption, 730 kg/yr. Table E-5 of R.G. 1.109.

U_F = maximum adult fish consumption, 21 kg/yr. Table E-5 of R.G. 1.109.

BF_i = bioaccumulation factor for radionuclide, i, in fish for fresh water site.

DF_i = dose conversion factor for radionuclide, i, for adults and critical organ, o, in mRem/pCi. From Table E-11 of R.G. 1.109.

D_w = dilution factor at the nearest potable water intake.

D_{SL} = dose due to shoreline activities from deposited radionuclides, in mRem.

T_i = radiological half-life of nuclide i, in days.

C_{il} = the average concentration of radionuclide, i, in undiluted liquid effluent, in μCi/ml, during that time period, Δt.

W_{LM} = lakeshore width factor accounting for the gemoetry of exposure, 0.3, from the Table A-2 R.G. 1.109.

U_a = shoreline usage factor specifying the exposure time for the maximum exposed individual 67 hr/yr, for the teenager, from Table E-5, R.G. 1.109.

DF_i = external dose factor for standing on contaminated ground for radionuclide i, in mRem/hr per pCi/m², from Table E-6, R.G. 1.109.

M_p = mixing ratio expressed as the reciprocal of the dilution factor, D_w, at the point of exposure, dimensionless.

t_b = time period for which sediments are exposed to the contaminated water, in hours, 1.31×10^5 hrs. (15 years), from Table E-15, R.G. 1.109

λ_i = radioactive decay constant of nuclide i, in hr^{-1}.

S_p = the maximum setpoint of the monitor, in µCi/cc for release point p, based on the most limiting organ.

F_p = the maximum volmetric flow rate of release point p, at the time of the release in ml/sec.

DL_j = dose rate limit organ j in an unrestricted area required to limit the dose to the applicable limit (mRem/yr).

$\overline{X/Q}$ = the annual average relative concentration in the applicable sector or area, in sec/m^3.

DCF_{ij} = dose conversion factor which is used to relate radiation dose to organ j, from exposure to radionuclide i.

K_i = whole body dose factor due to gamma emissions for each identified noble gas radionuclide in mRem/yr per µCi/m^3.

L_i = skin dose factor due to beta emissions for each identified noble gas radionuclide, in mRem/yr per µCi/m^3.

1.1 = the ratio of tissue to air absorption coefficient over the energy range of photons of interest. This ratio converts dose (mRad) to dose equivalent (mRem).

M_i = the air dose factor due to gamma emissions for each identified noble gas radionuclide in mRad/yr per µCi/m^3.

P_i = the dose parameter for radionuclides other than noble gas, for the inhalation pathway in mRem/yr per µCi/m^3.

D_{AG} = the air dose in unrestricted areas due to noble gases

D_{AB} = the air dose in unrestricted areas due to noble gases for beta emitters.

N_i = air dose factor due to beta emissions for each identified noble gas radionuclide in mRad/yr per $\mu Ci/m^3$.

D_{IP} = the dose to an individual from radioiodines, radioactive materials in particulate form, and radionuclides other than noble gases with half-lives greater than 8 days in gaseous effluents released to unrestricted areas.

R_i = dose factor for each identified radionuclide i, in m^2 (mRem/yr) per $\mu Ci/sec$ (for food and ground pathway) or mRem/yr per $\mu Ci/m^3$ (for inhalation pathway), for the appropriate pathway.

Q_{ic} = the cumulative release of noble gas radionuclide in gaseous effluents from all release points over the calendar quarter or year, in μCi.

3.17×10^{-8} = inverse of the number of seconds per year.

W = the atmospheric dispersion parameters for estimating dose to an individual at the controlling location, and where W is further defined as:

$W_{in} = \overline{X/Q}$ for the inhalation pathway, in sec/m^3.

$W_{fg} = \overline{D/Q}$ for the food and ground pathways, in 1/m2.

DL_I = The dose rate limit to an individual from radioiodines, 7.5 mRem per calendar quarter or 15 mRem per calendar year to any organ.

R_I = inhalation dose factor of I-131 for infant or child in (mRem/yr) per $\mu Ci/m^3$ for this specific pathway.

W = X/Q for the inhalation pathway sec/m^3.

Q_{IC} = the cumulative release of I-131 in gaseous effluents from this release point over the calendar quarter or year, in μCi.

C_I = the I-131 concentration of the secondary coolant in $\mu Ci/ml$.

IPF = the Iodine partition factor for the Start-Up Flash Tank. A value of 0.05 is assumed as per NUREG-0017.

R_{RGB} = the Steam Generator Blowdown rate to the Start-Up Flash Tank, in ml/sec.

T = the duration of release through the Start-Up Flash Tank Vent, in seconds.

N_i = air dose factor due to beta emissions for each identified noble gas radionuclide in mRad/yr per $\mu Ci/m^3$.

D_{IP} = the dose to an individual from radioiodines, radioactive materials in particulate form and radionuclides other than noble gases with half-lives greater than 8 days in gaseous effluents released to unrestricted areas.

R_i = dose factor for each identified radionuclide i, in m^2 (mRem/yr) per $\mu Ci/sec$ (for food and ground pathway) or mRem/yr per $\mu Ci/m^3$ (for inhalation pathway), for the appropriate pathway.

Q_{ic} = the cumulative release of noble gas radionuclide in gaseous effluents from all release points over the calendar quarter or year, in μCi.

3.17×10^{-8} = inverse of the number of seconds per year

W = the atmospheric dispersion parameters for estimating doses to an individual at the controlling location, and where W is further defined as:

$W_{in} = \overline{X/Q}$ for the inhalation pathway, X in sec/m^3.

$W_{fg} = \overline{D/Q}$ for the food and ground pathways, in $1/m^2$.

DL_I = The dose rate limit to an individual from radioiodines, i.e., 7.5 mRem per calendar quarter or 15 mRem per calendar year to any organ.

R_I = inhalation dose factor of I-131 for infant or child in (mRem/yr) per $\mu Ci/m^3$ for this specific pathway.

W = X/Q for the inhalation pathway sec/m^3

Q_{IC} = the cumulative release of I-131 in gaseous effluents from this release point over the calendar quarter or year, in μCi.

C_I = the I-131 concentration of the secondary coolant in $\mu Ci/ml$.

IPF = the iodine partition factor for the Start-Up Flash Tank. A value of 0.05 is assumed as per NUREG-0017.

R_{RGB} = the Steam Generator Blowdown rate to the Start-Up Flash Tank, in ml/sec.

T = Duration of release through the Start-Up Flash Tank Vent, in seconds.

N_i = air dose factor due to beta emissions for each identified noble gas radionuclide in mRad/yr per $\mu Ci/m^3$.

D_{IRo} = the dose to an individual from radioiodines, radioactive materials in particulate form, and radionuclides other than noble gases with half-lives greater than 8 days in gaseous effluents released to unrestricted areas.

R_i = dose factor for each identified radionuclide i, in m^2 (mRem/yr) per $\mu Ci/sec$ (for food and ground pathway) or mRem/yr per $\mu Ci/m^3$ (for inhalation pathway), for the appropriate pathway.

Q_{ic} = the cumulative release of noble gas radionuclide in gaseous effluents from all release points over the calendar quarter or year, in μCi.

3.17×10^{-8} = inverse of the number of seconds per year.

w = the atmospheric dispersion parameters for estimating doses to an individual at the controlling location, and where W is further defined as:

$W_{in} = \overline{X/Q}$ for the inhalation pathway, in sec/m^3.

$W_{fg} = \overline{D/Q}$ for the food and ground pathways, in 1/m2.

DL_I = The dose rate limit to an individual from radioiodines, i.e., 7.5 mRem per calendar quarter or 15 mRem per calendar year to any organ.

R_I = inhalation dose factor of I-131 for infant or child in (mRem/yr) per $\mu Ci/m^3$ for this specific pathway.

W = X/Q for the inhalation pathway sec/m^3.

Q_{IC} = the cumulative release of I-131 in gaseous effluents from this release point over the calendar quarter or year, in μCi.

C_I = the I-131 concentration of the secondary coolant in $\mu Ci/ml$.

IPF = the iodine partition factor for the Start-Up Flash Tank. A value of 0.05 is assumed as per NUREG-0017.

R_{RGB} = the Steam Generator Blowdown rate to the Start-Up Flash Tank, in ml/sec.

T = duration of release through the Start-Up Flash Tank Vent, in seconds.

f_{LWS} = is the sum of actual release effluent path(s) flow rate from all liquid waste management systems discharging into Lake Michigan.

F_{CW} = Circulating water system discharge flow rate based on the number of operating circulating water pumps.

AF = Applicable Factor reflecting the mixing effect of the discharge structure. For once-thru-cooling systems, the AF Factor is set equal to 1, from NUREG-0133.