Donald C. Cook Nuclear Plant • Units 1 & 2

Semi-Annual Radioactive Effluent Release Report

January 1 through June 30, 1984

Indiana & Michigan Electric Company
Bridgman, Michigan

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

AMERICAN ELECTRIC
AEP
POWER SYSTEM

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I. INTRODUCTION

This report discusses the radioactive discharges from Units 1 and 2 of the Donald C. Cook Nuclear Plant during the first half of 1984, according to Section 6.9.1.9 of "Appendix A" Technical Specifications for the Facility Operating License.

Unit 1:

During this reporting period, Unit 1 of the Donald C. Cook Nuclear Plant generated 3,969,190 Mwh Gross of electrical energy. The Monthly Operating Reports indicate that during the reporting period, Unit 1 was operating at a Unit Service Factor of 91.0% and at an average Unit Capacity Factor of 85.8%.

Unit 1 entered this reporting period operating at 99.5% power. The Unit tripped on January 23, 1984 due to an indicated low flow on Reactor Coolant Loop 2 caused by an instrument valve on one of the reactor coolant flow meters leaking through when returning the flow meter to service. The Unit was returned to service on January 31, 1984. On February 6, 1984, while the west main feed pump was out of service, the east main feed pump turbine condenser developed a condenser tube leak and the Unit had to be removed from service. The Unit was returned to service on February 7, 1984. On April 6, 1984, the turbine driven auxiliary feed pump was declared inoperable due to the inability to trip the turbine trip and throttle valve. The valve repairs could not be accomplished within 72 hours allowed by Tech Spec 3.7.1.2 and the Unit was removed from service on April 9, 1984. After the valve was repaired, Unit 1 was returned to service on April 12, 1984. On June 17, 1984, during the power ascension from the feed pump outage, a reactor trip occurred due to the failure of vital A.C. instrument bus, CRID IV. The CRID failure also caused safety injection actuation on Train A. Following the CRID IV repairs and other unrelated maintenance, the Unit was returned to service on June 24, 1984. As the reporting period came to an end, the Unit was operating at 100% power.

Unit 2:

Unit 2 generated 1,793,180 Mwh Gross of electrical energy during the first six months of 1984. During the reporting period, Unit 2 operated at an 37.3% Unit Service Factor and at an average Unit Capacity Factor of 37.2%.

Unit 2 entered this reporting period operating at 100% power. The Unit tripped on February 18, 1984 due to high water level in the Moisture Separator Reheaters while they were being put into service. The Unit was returned to service on February 19,

1984. Unit 2 was removed from service on March 10, 1984 for scheduled Cycle IV-V refueling and maintenance outage. As the reporting period came to an end, the refueling and all outage work is essentially completed, the Reactor Coolant System heatup was in progress and Unit 2 was in Mode 3 at operating temperature.

II. RADIOACTIVE RELEASES

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

III. RADIOLOGICAL IMPACT ON MAN

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

Liquid Releases:

The liquid releases consisted of 19 Batch releases in the first quarter and 41 Batch releases in the second quarter of 1984. These releases were treated as continuous releases for the purpose of dose calculations. The estimated doses in millirems to individuals from the liquid pathways are given in Appendices 1.2 and 1.3.

Gaseous Releases:

The gaseous releases consisted of 6 Batch releases in the first quarter and 12 Batch releases in the second quarter of 1984. Doses were estimated for the Batch and continuous releases during each of the two quarters using the measured meteorological data at the times of the releases. The estimated doses in millirems to individuals through the gaseous pathways are listed in Appendices 1.2 and 1.3.

IV. METEOROLOGICAL DATA

Appendices 2.1 and 2.2 contain the cumulative joint-frequency distribution of wind speed and wind direction corresponding to various atmospheric stability classes for both quarters. The meteorological conditions during the first six months of 1984 are also furnished in Appendix 2.3.

V. PROCESS CONTROL PROGRAM (PCP) CHANGES

The Radioactive Waste Process Control Manual 12 PMP 3150 PCP.001 was changed during the report period and these changes are included as Change Sheet Nos. 1-3. The reasons for the changes and PNSRC approval are documented on the cover sheet. Most of the changes were made to comply with the requirements of 10 CFR 61 effective December 27, 1983. These changes did not reduce the overall conformance of the solidified waste product to existing criteria for solid wastes.

VI. OFFSITE DOSE CALCULATION MANUAL CHANGES

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

VII. CONCLUSIONS

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

APPENDIX 1.1

RADIOACTIVE RELEASE DATA

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1ST HALF 1984

Supplemental Information

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

1. Regulatory Limits

A. Noble Gases

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

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

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

B. Iodines - Particulates

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

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

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

C. Liquid Effluents

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

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

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

D. Total Dose

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

2. Maximum Permissable Concentrations

A. Gaseous Effluents

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

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

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

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

B. Liquid Effluents

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

3. Average Energy

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

4. Measurements and Approximations of Total Radioactivity

A. Fission and Activation Gases

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

B. Iodines

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

C. Particulates

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

D. Liquid Effluents

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

5. Batch Releases

A. Liquid

1. Number of batch releases:

19 releases in the 1st quarter, 1984
41 releases in the 2nd quarter, 1984

2. Total time period for batch releases:

9596 minutes

3. Maximum time for a batch release:

199 minutes

4. Average time period for batch release:

160 minutes

5. Minimum time period for a batch release:

118 minutes

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

686,167 gpm circulating water

B. Gaseous

1. Number of batch releases:

6* in 1st quarter, 1984
12 in 2nd quarter, 1984

*There were also four (4) releases of short duration to drain water from the gas decay tanks, and although quantified, are not included in this total.

2. Total time period of batch releases:

   1239 minutes

3. Maximum time period for a batch release:

   89 minutes

4. Average time period for batch releases:

   69 minutes

5. Minimum time period for a batch release:

   49 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

B. Gaseous

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1984

GASEOUS EFFLUENTS - ELEVATED RELEASE

Nuclides Released	Unit	Continuous Mode 1ST QUARTER	Continuous Mode 2ND QUARTER	Batch Mode 1ST QUARTER	Batch Mode 2ND QUARTER
1. FISSION GASES					
Krypton-85	Ci			6.05 EO	6.61 EO
Krypton-85M	Ci	2.47 E-2	3.25 E-3	2.58 E-3	1.36 E-5
Krypton-87	Ci	2.95 E-2	2.08 E-3		
Krypton-88	Ci	2.29 E-2			
Xenon-133	Ci	5.86 E+1	2.00 E+2	9.28 E+1	4.85 E+1
Xenon-135	Ci	3.52 EO	1.00 EO	1.08 E-1	2.61 E-2
Xenon-135M	Ci				
Xenon-138	Ci	1.35 E-2			
Xenon-133M	Ci			7.05 E-1	2.26 E-1
Xenon-131M	Ci	1.79 E-2		1.43 E-1	8.15 E-1
Argon-41	Ci	3.41 E-1	4.87 E-4	9.23 E-3	
Total for Period	Ci	6.26 E+1	2.01 E+2	9.98 E+1	5.62 E+1
2. IODINES					
Iodine-134	Ci	5.60 E-4			
Iodine-131	Ci	3.87 E-3	1.34 E-3	4.05 E-5	2.92 E-7
Iodine-133	Ci	5.93 E-3	2.48 E-4	9.20 E-6	
Iodine-135	Ci	5.41 E-3			
Total for Period	Ci	1.58 E-2	1.59 E-3	4.97 E-5	2.92 E-7
3. PARTICULATES					
Strontium-89	Ci	4.08 E-7	9.53 E-7		
Strontium-90	Ci		9.14 E-7		
Cesium-134	Ci	6.20 E-5	6.64 E-4	5.37 E-9	
Cesium-137	Ci	3.59 E-5	5.72 E-4	7.93 E-7	1.22 E-6
Iron-59	Ci				
Cobalt-58	Ci	1.14 E-3	5.71 E-5	1.46 E-7	1.35 E-7
Cobalt-60	Ci	7.49 E-4	2.84 E-4	3.33 E-6	2.78 E-6
Manganese-54	Ci	8.44 E-5			
Zinc-65	Ci				
Mobybdenum-99	Ci				
Cerium-139	Ci	6.26 E-6			
Cerium-144	Ci				
Yttrium-88	Ci	1.14 E-6			
Total for Period	Ci	2.08 E-3	1.58 E-3	4.27 E-6	4.14 E-6

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EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1984

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Units	1ST QUARTER	2ND QUARTER	Est. Total Error, %
A. FISSION AND ACTIVATION GASES				
1. Total release	Ci	1.62 E+2	2.57 E+2	33.9
2. Average release rate for period.	µCi/sec	2.06 E+1	3.27 E+1	
3. Percent of Technical Specification limit.	% γ	1.49 EO	1.61 E-1	
	% β	2.40 EO	2.43 E-1	
B. IODINES				
1. Total Iodine-131	Ci	3.91 E-3	1.34 E-3	6.2
2. Average release rate for period.	µCi/Sec	4.97 E-4	1.70 E-4	
3. Percent of Technical Specification limit.	%	8.57 E-1	3.97 E-1	
C. PARTICULATES				
1. Particulates with half-lives > 8 days.	Ci	2.08 E-3	1.58 E-3	39.5
2. Average release rate for period.	µCi/sec	2.65 E-4	2.01 E-4	
3. Percent of Technical Specification limit.	%	8.57 E-1	3.97 E-1	
4. Gross alpha radio-activity.	Ci	<3.70 E-5	<4.03 E-5	
D. TRITIUM				
1. Total release.	Ci	1.07 EO	6.27 E-1	2.5
2. Average release rate for period.	µCi/sec	1.36 E-1	7.97 E-2	
3. Percent of Technical Specification limit.	%	1.08 EO	4.88 E-1	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1984

LIQUID EFFLUENTS

Nuclides Released		BATCH MODE 1ST Quarter	BATCH MODE 2ND Quarter	CONTINUOUS MODE 1ST Quarter	CONTINUOUS MODE 2ND Quarter
Strontium-92	CI		3.69 E-5		
Strontium-89	Ci	2.02 E-5	9.54 E-5		
Strontium-90	Ci	1.16 E-5	1.20 E-5		
Cesium-134	Ci	7.34 E-3	8.65 E-3	2.08 E-4	2.00 E-3
Cesium-137	Ci	3.39 E-2	1.17 E-2	3.24 E-4	2.26 E-3
Iodine-131	Ci	1.11 E-3	5.19 E-4	9.35 E-4	2.38 E-3
Iodine-135	Ci			1.39 E-2	
Iodine-134	Ci			1.44 E-3	
Cobalt-58	Ci	8.71 E-2	1.27 E-2	6.16 E-3	1.68 E-3
Cobalt-60	Ci	5.30 E-2	1.82 E-2	1.52 E-2	1.18 E-2
Iron-59	Ci				
Zinc-65	Ci	4.20 E-4	3.22 E-4		
Manganese-54	Ci	4.80 E-3	1.41 E-3	3.11 E-4	2.69 E-4
Chromium-51	Ci	1.30 E-3	1.33 E-3		
Iron-55	Ci	1.84 E-2	2.00 E-2	4.72 E-2	3.51 E-2
Zirconium-Niobium-95	Ci	3.71 E-3	8.92 E-4	1.68 E-3	5.93 E-5
Molybdenum-99	Ci				
Technetium-99M	Ci				
Barium-Lanthanum-140	Ci			3.26 E-5	
Cerium-141	Ci				
Antimony - 124	Ci	9.49 E-3			
Ruthenium-106	Ci	3.57 E-3			
Cesium-136	Ci				
Sodium-24	Ci				
Iodine-133	Ci		1.75 E-4	1.49 E-2	
Cobalt-57	Ci	5.03 E-4	3.86 E-5		
Zirconium-97	Ci	9.30 E-4	3.35 E-5		
Silver-110M	Ci	2.86 E-2	3.46 E-3		
Cerium-144	Ci				
Antimony-125	Ci	2.69 E-3			7.54 E-5
Xenon-133	Ci	1.13 E-2	5.53 E-1	1.60 E-3	7.78 E-5
Xenon-131M	Ci		1.04 E-3		
Xenon-133M	Ci	1.88 E-4	4.51 E-3		
Xenon-135	Ci	1.27 E-3	1.42 E-3	1.38 E-2	
Argon-41	Ci				

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1984

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	BATCH 1st Quarter	BATCH 2nd Quarter	CONTINUOUS 1st Quarter	CONTINUOUS 2nd Quarter	Est. Total Error, %
A. FISSION AND ACTIVATION PRODUCTS						
1. Total Release (Not including Tritium, Alpha, Gases)	Ci	3.26 E-1	9.05E-2	1.02E-1	5.56E-2	5.05
2. Average diluted concentration during period.	µCi/ml	4.19E-8	5.29E-9	1.32E-10	1.43E-10	
3. Percent of applicable limit.	%	1.41E-1	2.60 E-2	2.88E-3	2.24E-3	
B. TRITIUM						
Total Release	Ci	7.21E+1	3.07E+2	7.91E-1	4.52E-1	0.20
2. Average diluted concentration during period.	µCi/ml	9.26E-6	1.80E-5	1.02E-9	1.16E-9	
3. Percent of applicable limit.	%	3.09E-1	5.98E-1	3.41E-5	3.88E-5	
C. DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	1.28E-2	5.60E-1	1.54E-2	7.78E-5	2.66
2. Average diluted concentration during period.	µCi/ml	1.64E-9	3.27E-8	1.99E-11	2.01E-13	
3. Percent of applicable limit.	%	8.22E-4	1.64E-2	9.95E-6	1.00E-7	

	UNIT	BATCH 1st Quarter	BATCH 2nd Quarter	CONTINUOUS 1st Quarter	CONTINUOUS 2nd Quarter	Est. Total Error, %
D. GROSS ALPHA RADIOACTIVITY						
1. Total Release	ci	<1.22E-3	<2.21E-3	NA	NA	NA
E. VOLUME OF WASTE RELEASED	Liters	1.22E+6	2.80E+6	2.03E+8	1.36E+8	2.00
F. VOLUME OF DILUTION WATER USED DURING PERIOD	Liters	7.79E+9	1.71E+10	7.74E+11	3.88E+11	3.48

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1984

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite for Burial or Disposal

1.

Type of Waste	Unit	6 month Period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m^3 Ci	1.59E+2 5.34E+2	1 EO 4 EO
b. Dry compressible waste, contaminated equipment, etc.	m^3 Ci	1.07E+2 1.22EO	1 EO 2 EO
c. Irradiated components, control rods, etc.	m^3 Ci		
d. Other	m^3 Ci		

2. Estimate of Major Nuclide Composition

a.	CS-137	16 %	Ni-63	42 %
	CS-134	5 %		
	CO-58	7 %		
	CO-60	30 %		
b.	CO-60	4 %		
	CO-58	58 %		
	CS-137	22 %		
	Cs-134	16 %		

3. Solid Waste Disposition

No. of Shipments	Mode of Transportation	Destination
19	Truck	Barnwell, S. C.
3	Truck	Richland, WA.

4. Type of Containers Used for Shipment

Resins - Type A|Dry-non-compressible waste-strong tight
evaporator bottoms - strong tight
Dry compressible waste - spec. 7A - All were shipped marked radioactive LSA

5. Solidification Agent

Evaporator bottoms are solidified in cement

RELEASE NUMBER	STARTDATE STOP DATE	STARTTIME STOPTIME	H3	I-131	I-133	Xe-133	Xe-133m	Xe-135	Kr-85	Kr-85m	Co-60	Cs-137	Co-58	Xe-131m	Cs-134	Ar-41
G-84-1	01-10-84	1738														
	01-10-84	1746	2.38E-6			1.69E-4			5.53E-3		4.17E-8	1.39E-8	4.92E-8	1.74E-5	5.37E-9	
G-84-2	01-13-84	1104														
	01-13-84	1105	2.09E-7	6.70E-10							1.43E-9	3.97E-10	1.46E-9			
G-84-3	01-25-84	1730														
	01-29-84	0201	2.70E-2	5.12E-6	3.14E-6	9.02E+1	6.67E-1	7.61E-2	4.18E0	2.58E-3	1.37E-6	7.79E-7				
G-84-4	02-08-84	0100														
	02-08-84	0229	1.52E-5	1.34E-7		3.19E-1	2.20E-4		1.98E-1		1.04E-7					
G-84-5	02-08-84	0519														
	02-08-84	0633	3.54E-5	7.65E-6		3.49E-1	4.05E-3		3.87E-1		4.89E-8		5.40E-8	1.14E-1		
G-84-6	02-19-84	0145														
	02-19-84	0313	7.38E-6	3.36E-7		8.55E-4			2.35E-1		4.74E-8					
G-84-7	02-23-84	0123														
	02-23-84	0238	1.36E-5	5.21E-8	1.01E-7	1.34E-1	1.33E-3	2.35E-3	2.43E-1		7.62E-8					
G-84-8	03-11-84	1125														
	06-05-84	0212	3.26E-3	2.65E-5	5.93E-6	6.28E-1		2.90E-2			1.52E-6					9.23E-
G-84-9	03-12-84	1207														
	03-12-84	1209	7.98E-8	1.19E-9		1.86E-4		1.81E-6	3.44E-3		1.05E-9		2.97E-10	4.00E-5		
G-84-10	03-13-84	1431														
	03-13-84	1433	4.79E-6	3.28E-8		1.21E-2		2.02E-6	4.44E-2		6.76E-9			2.09E-3		
G-84-11	03-13-84	2150														
	03-13-84	2255	2.91E-5	3.68E-7		1.20E-1		3.73E-5	4.01E-1		9.52E-8		4.13E-8	2.65E-2		
G-84-12	03-16-84	2100														
	03-16-84	2226	1.49E-4	2.83E-7	3.26E-8	1.01E0	3.22E-2	7.35E-4	3.50E-1		1.64E-8					
G-84-13	04-10-84	0550														
	04-10-84	0707	2.73E-4	2.59E-7		5.60E0					1.10E-7	4.36E-8	8.82E-8	2.40E-1		
G-84-14	05-26-84	0145														
	05-26-84	0252	2.17E-5			1.97E-2	1.96E-4	1.40E-4	3.20E-1		8.70E-8		4.69E-8	6.17E-4		
G-84-15	06-02-84	0705														
	06-02-84	0814	1.14E-5			1.45E-2	8.17E-5	1.54E-4	3.38E-1		7.04E-8	2.25E-8		1.94E-3		
G-84-16	06-14-84	2043														
	06-14-84	2147	2.88E-5			2.57E-2	2.07E-4	1.08E-4	5.01E-1		1.36E-7			1.73E-3		
G-84-17	06-15-84	0650														
	06-15-84	0753	3.07E-5			1.07E-1	7.61E-4	2.60E-4	5.03E-1	1.36E-5				3.44E-3		
G-84-18	06-15-84	1622														
	06-15-84	1716	2.59E-3			4.37E0	3.46E-2	5.81E-3			2.24E-7					
G-84-19	06-18-84	1515														
	06-26-84	1914	5.72E-4								1.77E-6	1.16E-6				
G-84-20	06-24-84	1056														
	06-24-84	1204	1.15E-4			3.87E-1			1.47E0		7.54E-8			5.02E-2		
G-84-21	06-24-84	1425														
	06-24-84	1538	5.56E-5	3.33E-8		4.13E-1	5.06E-4	7.77E-5	1.14E0		5.53E-8			4.23E-2		
G-84-22	06-25-84	1922														
	06-25-84	2029	2.69E-3			2.01E+1	1.12E-1	1.29E-2	1.05E0		1.36E-7					
G-84-23	06-25-84	2217														
	06-25-84	2307	8.51E-5			5.19E0	3.79E-2	6.65E-3			6.67E-8			1.74E-1		

A-15

RELEASE NUMBER	STARTDATE STOP DATE	STARTTIME STOPTIME	H3	I-131	I-133	Xe-133	Xe-133m	Xe-135	Kr-85	Kr-85m	Co-60	Cs-137	Co-58	Xe-131m	Cs-134	Ar-41
G-84-24	06-27-84 06-27-84	0854 0955	3.27E-4			1.00E+1	3.99E-2		1.29E0		4.57E-8			3.00E-1		
G-84-25	06-28-84 06-28-84	0337 0426	4.33E-4			2.25E0										

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EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1983

REVISED

LIQUID EFFLUENTS

Nuclides Released		BATCH MODE 3RD Quarter	BATCH MODE 4TH Quarter	CONTINUOUS MODE 3RD Quarter	CONTINUOUS MODE 4TH Quarter
Strontium-85	Ci			1.18E-4	
Strontium-89	Ci	4.43E-5	391E-5		
Strontium-90	Ci	1.30E-5	623E-6		
Cesium-134	Ci	2.64E-3	2.85E-3	3.43E-4	6.98E-4
Cesium-137	Ci	9.24E-3	3.18E-3	1.30E-3	1.63E-3
Iodine-131	Ci	1.37E-4	2.80E-4	5.16E-4	7.11E-4
Strontium-92	Ci	6.70E-4	5.63E-3		
Iron-55	Ci	3.12E-2	4.16E-3		
Cobalt-58	Ci	9.78E-3	4.68E-2	9.89E-4	5.93E-2
Cobalt-60	Ci	1.81E-2	2.17E-2	3.40E-3	1.79E-2
Cesium-138	Ci				5.29E-4
Zinc-65	Ci	3.14E-4	3.02E-4		
Manganese-54	Ci	9.89E-4	1.94E-3	6.44E-5	5.84E-3
Chromium-51	Ci	1.06E-3	1.95E-3		3.46E-3
Iodine-130	Ci				5.16E-4
Ruthenium-106	Ci		8.59E-4		2.32E-4
Zirconium-Niobium-95	Ci	1.67E-3	2.25E-3		3.46E-3
Molybdenum-99	Ci				
Technetium-99M	Ci	4.00E-5			
Barium-Lanthanum-140	Ci		5.56E-5		3.19E-4
Antimony-125	Ci		9.03E-4		
Antimony-124	Ci		2.38E-3		5.50E-5
Iodine-134	Ci			6.54E-4	1.88E-3
Cesium-136	Ci				
Sodium-24	Ci			2.19E-5	1.10E-4
Iodine-133	Ci	1.81E-5	9.65E-6	6.26E-3	1.05E-2
Cobalt-57	Ci	2.63E-5	1.61E-4		
Zirconium-97	Ci	3.22E-5	6.39E-4		
Silver-110M	Ci	1.77E-3	1.26E-2		
Cerium-144	Ci				
Iodine-135	Ci			5.13E-3	1.09E-2
Xenon-133	Ci	2.70E-2	1.12E-3	1.84E-3	3.87E-3
Xenon-131M	Ci				
Xenon-133M	Ci	3.52E-4			
Xenon-135	Ci	1.05E-3	2.66E-5	8.20E-3	2.74E-2
Argon-41	Ci				

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1983
REVISED

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	3RD BATCH Quarter	4TH Quarter	3RD CONTINUOUS Quarter	4TH Quarter	Est. Total Error, %
A. FISSION AND ACTIVATION PRODUCTS						
1. Total Release (Not including Tritium, Alpha, Gases)	Ci	7.77E-2	1.12E-1	1.88E-2	1.18E-1	6.54
2. Average diluted concentration during period.	µCi/ml	3.63E-9	8.75E-9	3.46E-11	2.23E-10	
3. Percent of applicable limit.	%	1.00E-2	2.74E-2	1.75E-3	3.26E-3	
B. TRITIUM						
1. Total Release	Ci	3.00E+2	1.22E+2	1.01E0	2.44E0	0.28
2. Average diluted concentration during period.	µCi/ml	1.40E-5	9.53E-6	1.86E-9	4.61E-9	
3. Percent of applicable limit.	%	4.67E-1	3.18E-1	6.19E-5	1.54E-4	
C. DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	2.84E-2	1.15E-3	1.00E-2	3.13E-2	4.75
2. Average diluted concentration during period.	µCi/ml	1.33E-9	8.98E-11	1.84E-11	5.92E-11	
3. Percent of applicable limit.	%	6.64E-4	4.49E-5	9.19E-6	2.96E-5	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT
1980 YEARLY RELEASE RATES - REVISED

I. GASES

A. Fission and Activation Gases	Units	
1. Total Release	Ci	3.763E+3
2. Average Release Rate	Ci/SEC	1.193E-4
3. % of Technical Specification Limits	%	1.725E 0

B. Iodines		
1. Total Iodine	Ci	2.671E-2
2. Average Release Rate	Ci/SEC	8.470E-10
3. % of Technical Specification Limits	%	3.049E-1

C. Particulates		
1. Total Release	Ci	4.218E-2
2. Average Release Rate	Ci/SEC	1.337E-9
3. % of Technical Specification Limits	%	4.814E-1

II. LIQUIDS

A. Fission and Activation Products		
1. Total Release	Ci	1.364E 0
2. Average Diluted Concentration	uci/ml	1.133E-9
3. % of Technical Specification Limits	%	2.728E+1

APPENDIX 1.2

SUMMARY OF MAXIMUM INDIVIDUAL DOSES
FOR FIRST QUARTER OF 1984

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

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

1ST QUARTER - 1984

SUMMARY OF MAXIMUM INDIVIDUAL DOSES

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERL LIMIT (MR)
Liquid	Total Body	1.01 E-1	Adult	Receptor 1	6.73	1.5
Liquid	Liver	1.51 E-1	Teen	Receptor 1	3.02	5.0
Noble Gas	Air Dose (Gamma-mrad)	7.47 E-2	All	617 NNE	1.49	5.0
Noble Gas	Air Dose (Beta-mrad)	2.40 E-1	All	617 NNE	2.40	10.0
Noble Gas	Total Body	2.79 E-2	All	814 NNE	0.56	Yearly 5.0
Noble Gas	Skin	8.80 E-2	All	814 NNE	0.59	Yearly 15.0
Iodines and Particulates	Thyroid	6.43 E-2	Child	814 NNE	0.86	7.5

FOR RECEPTOR NUMBER 1

TOTAL LIQUID DOSE ACCUMULATIONS(REM)
START DATE 84 1 1 1 END DATE 84 33124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	6.4E-07	2.5E-06	2.3E-06	2.5E-06	1.9E-06	1.6E-06	2.9E-06	0.0E 00
TEEN	6.2E-07	2.0E-06	1.6E-06	1.9E-06	1.4E-06	1.2E-06	2.0E-06	0.0E 00
CHILD	1.8E-06	4.0E-06	2.6E-06	4.3E-06	2.7E-06	2.3E-06	2.8E-06	0.0E 00
INFANT	1.9E-06	4.5E-06	2.4E-06	5.5E-06	2.7E-06	2.3E-06	2.4E-06	0.0E 00
SHORE								
ADULT	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	2.1E-07
TEEN	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.8E-07	1.1E-06
CHILD	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.4E-07
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
FW SPT FISH								
ADULT	9.5E-05	1.4E-04	9.9E-05	1.0E-06	4.8E-05	1.6E-05	5.2E-05	0.0E 00
TEEN	1.0E-04	1.5E-04	5.6E-05	9.6E-07	5.0E-05	1.9E-05	3.7E-05	0.0E 00
CHILD	1.3E-04	1.3E-04	2.2E-05	1.0E-06	4.3E-05	1.5E-05	1.3E-05	0.0E 00
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00

TYPE [C] TO CONTINUE

TOTAL LIQUID DOSE ACCUMULATIONS(REM)
START DATE 84 1 1 1 END DATE 84 33124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
TOTAL								
ADULT	9.5E-05	1.5E-04	1.0E-04	3.7E-06	5.0E-05	1.8E-05	5.5E-05	2.1E-07
TEEN	1.0E-04	1.5E-04	5.8E-05	3.9E-06	5.2E-05	2.1E-05	4.0E-05	1.1E-06
CHILD	1.3E-04	1.4E-04	2.4E-05	5.5E-06	4.5E-05	1.8E-05	1.6E-05	2.4E-07
INFANT	1.9E-06	4.5E-06	2.4E-08	5.5E-06	2.7E-06	2.7E-08	2.4E-06	0.0E 00

RECEPTOR NUMBER - TYPE (1-5)

```
DOSE TYPE
ENTER: [GA]      GAMMA
       [BE]      BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
GA
 DATES OF TOTAL AIR DOSE ACCUMULATION ARE FROM 84 1 1 1 TO 84 33124
 DOSE ACCUMULATION FOR GAMMA
 **DIRECTION FROM  N
  1.2875E-06    1.4867E-07    6.5638E-08    3.7347E-08    2.5426E-08
  1.1923E-08    4.1947E-09    1.9664E-09    1.2087E-09    8.3331E-10
 **DIRECTION FROM NNE
  1.1757E-06    1.3677E-07    6.0401E-08    3.4381E-08    2.3489E-08
  1.1145E-08    3.9821E-09    1.8870E-09    1.1714E-09    8.1652E-10
 **DIRECTION FROM NE
  1.1097E-06    1.3185E-07    5.8364E-08    3.3209E-08    2.2651E-08
  1.0670E-08    3.7684E-09    1.7647E-09    1.0828E-09    7.4584E-10
 **DIRECTION FROM ENE
  1.6298E-06    1.8999E-07    8.3834E-08    4.7628E-08    3.2470E-08
  1.5308E-08    5.4238E-09    2.5612E-09    1.5880E-09    1.1052E-09
 **DIRECTION FROM  E
  2.9083E-06    3.4547E-07    1.5557E-07    8.9760E-08    6.1626E-08
  2.9457E-08    1.0733E-08    5.1518E-09    3.2272E-09    2.2684E-09
 **DIRECTION FROM ESE
  3.4779E-06    4.0758E-07    1.8465E-07    1.0706E-07    7.3596E-08
  3.5193E-08    1.2859E-08    6.1706E-09    3.8587E-09    2.7112E-09
 **DIRECTION FROM SE
  4.4173E-06    5.1993E-07    2.4589E-07    1.4661E-07    1.0341E-07
  5.2216E-08    2.0481E-08    1.0149E-08    6.4768E-09    4.6845E-09
 **DIRECTION FROM SSE
  4.6413E-06    5.5479E-07    2.7226E-07    1.6653E-07    1.1798E-07
  5.9771E-08    2.3915E-08    1.2005E-08    7.7220E-09    5.6120E-09
 **DIRECTION FROM  S
  3.2369E-06    3.8161E-07    1.8332E-07    1.1069E-07    7.8044E-08
  3.9271E-08    1.5542E-08    7.8010E-09    5.0252E-09    3.6455E-09
 **DIRECTION FROM SSW
  7.5544E-05    1.0225E-05    4.6378E-06    2.6651E-06    1.8671E-06
  9.3860E-07    3.5896E-07    1.7578E-07    1.1151E-07    7.9711E-08
 **DIRECTION FROM SW
  2.5289E-06    3.0908E-07    1.3961E-07    8.0448E-08    5.5814E-08
  2.7362E-08    1.0206E-08    4.9337E-09    3.0996E-09    2.1956E-09
 **DIRECTION FROM WSW
  2.9238E-06    3.5741E-07    1.6272E-07    9.4376E-08    6.5622E-08
  3.2302E-08    1.2181E-08    5.9459E-09    3.7633E-09    2.6804E-09
 **DIRECTION FROM  W
  1.6702E-06    1.9333E-07    8.9016E-08    5.2320E-08    3.6156E-08
  1.7462E-08    6.5330E-09    3.1931E-09    2.0237E-09    1.4381E-09
 **DIRECTION FROM WNW
  1.6686E-06    1.8804E-07    8.3579E-08    4.7879E-08    3.2916E-08
  1.5822E-08    5.7773E-09    2.7831E-09    1.7482E-09    1.2333E-09
 **DIRECTION FROM NW
  1.8236E-06    2.0045E-07    8.8491E-08    5.0493E-08    3.4470E-08
  1.6305E-08    5.8445E-09    2.8054E-09    1.7632E-09    1.2413E-09
 **DIRECTION FROM NNW
  1.1511E-06    1.2748E-07    5.6295E-08    3.2137E-08    2.1938E-08
  1.0361E-08    3.6972E-09    1.7591E-09    1.0944E-09    7.6300E-10
  DISTANCES USED IN CALCULATIONS
    594.0  2416.0  4022.0  5632.0  7240.0
  12087.0 24135.0 40225.0 56315.0 72405.0
 ENTER: [RETURN] WHEN READY TO CONTINUE
```

```
DOSE TYPE
ENTER: [GA]      GAMMA
       [BE]      BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
BE
 DATES OF TOTAL AIR DOSE ACCUMULATION ARE FROM 84 1 1 1 TO 84 33124
 DOSE ACCUMULATION FOR BETA
 **DIRECTION FROM  N
  3.9802E-06    4.6075E-07    2.0334E-07    1.1564E-07    7.8642E-08
  3.6770E-08    1.2877E-08    6.0128E-09    3.6834E-09    2.5305E-09
 **DIRECTION FROM NNE
  2.7867E-06    3.2501E-07    1.4369E-07    8.1798E-08    5.6019E-08
  3.6705E-08    9.6016E-09    4.5682E-09    2.8443E-09    1.9889E-09
 **DIRECTION FROM NE
  2.5288E-06    3.0053E-07    1.3310E-07    7.5764E-08    5.1722E-08
  2.4419E-08    8.6512E-09    4.0600E-09    2.4953E-09    1.7218E-09
 **DIRECTION FROM ENE
  4.4783E-06    5.2141E-07    2.2999E-07    1.3064E-07    8.8960E-08
  4.1802E-08    1.4742E-08    6.9354E-09    4.2856E-09    2.9719E-09
 **DIRECTION FROM  E
  7.8222E-06    9.2779E-07    4.1658E-07    2.3979E-07    1.6436E-07
  7.8221E-08    2.8301E-08    1.3517E-08    8.4349E-09    5.9063E-09
 **DIRECTION FROM ESE
  8.3533E-06    9.7729E-07    4.4196E-07    2.5590E-07    1.7587E-07
  8.4084E-08    3.0687E-08    1.4719E-08    9.2021E-09    6.4641E-09
 **DIRECTION FROM SE
  1.0129E-05    1.1897E-06    5.6171E-07    3.3459E-07    2.3586E-07
  1.1896E-07    4.6593E-08    2.3081E-08    1.4729E-08    1.0649E-08
 **DIRECTION FROM SSE
  1.0570E-05    1.2704E-06    6.2222E-07    3.7999E-07    2.6919E-07
  1.3643E-07    5.4568E-08    2.7393E-08    1.7622E-08    1.2805E-08
 **DIRECTION FROM  S
  7.4445E-06    8.8227E-07    4.2335E-07    2.5532E-07    1.8011E-07
  9.0761E-08    3.5936E-08    1.8031E-08    1.1613E-08    8.4253E-09
 **DIRECTION FROM SSW
  2.4220E-04    3.2726E-05    1.4857E-05    8.5436E-06    5.9878E-06
  3.0118E-06    1.1528E-06    5.6460E-07    3.5817E-07    2.5612E-07
 **DIRECTION FROM SW
  6.8470E-06    8.3903E-07    3.8264E-07    2.2190E-07    1.5469E-07
  7.6567E-08    2.8942E-08    1.4067E-08    8.8664E-09    6.3153E-09
 **DIRECTION FROM WSW
  6.2695E-06    7.6354E-07    3.4657E-07    2.0061E-07    1.3928E-07
  6.8349E-08    2.5656E-08    1.2493E-08    7.8942E-09    5.6123E-09
 **DIRECTION FROM  W
  3.9258E-06    4.5625E-07    2.1079E-07    1.2420E-07    8.5904E-08
  4.1551E-08    1.5599E-08    7.6394E-09    4.8472E-09    3.4473E-09
 **DIRECTION FROM WNW
  3.8015E-06    4.2835E-07    1.9031E-07    1.0899E-07    7.4945E-08
  3.6050E-08    1.3176E-08    6.3547E-09    3.9958E-09    2.8211E-09
 **DIRECTION FROM NW
  4.8622E-06    5.3649E-07    2.3662E-07    1.3488E-07    9.1915E-08
  4.3272E-08    1.5399E-08    7.3487E-09    4.5971E-09    3.2214E-09
 **DIRECTION FROM NNW
  2.8022E-06    3.0538E-07    1.3482E-07    7.7059E-08    5.2665E-08
  2.4945E-08    8.9492E-09    4.2779E-09    2.6703E-09    1.8671E-09
 DISTANCES USED IN CALCULATIONS
    594.0  2416.0  4032.0  5632.0  7240.0
  12067.0 24135.0 40225.0 56315.0 72405.0
ENTER: [RETURN] WHEN READY TO CONTINUE
```

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 1 1 1 THRU 84 331 24

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.9E-05	8.8E-05
TEEN	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.9E-05	8.8E-05
CHILD	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.9E-05	8.8E-05
INFNT	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.9E-05	8.8E-05
GROUND PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	9.9E-06
TEEN	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	9.9E-06
CHILD	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	9.9E-06
INFNT	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	8.4E-06	9.9E-06
VEGET PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	7.0E-07	1.6E-06	3.3E-07	7.8E-07	3.7E-07	1.6E-05	1.6E-07	1.0E-07
TEEN	7.4E-07	1.6E-06	4.9E-07	1.1E-06	4.7E-07	1.3E-05	2.2E-07	1.1E-07
CHILD	9.6E-07	1.2E-06	1.1E-06	1.8E-06	7.1E-07	2.1E-05	3.3E-07	1.8E-07
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NNE								
ADULT	2.9E-09	1.2E-08	7.5E-10	2.5E-09	1.1E-09	4.2E-08	6.4E-10	5.1E-10
TEEN	1.8E-09	6.6E-09	6.1E-10	1.9E-09	8.0E-10	3.1E-08	4.3E-10	3.0E-10
CHILD	2.3E-09	3.5E-09	1.1E-09	2.3E-09	9.9E-10	4.6E-08	5.1E-10	3.7E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NNE								
ADULT	1.1E-08	4.8E-09	7.7E-09	1.5E-08	1.0E-08	1.1E-06	2.2E-09	1.1E-09
TEEN	1.2E-08	6.0E-09	1.4E-08	2.5E-08	1.8E-08	1.7E-06	3.6E-09	1.5E-09
CHILD	1.5E-08	5.5E-09	3.3E-08	4.2E-08	2.8E-08	3.5E-06	5.5E-09	2.3E-09
INFNT	2.1E-08	6.4E-09	5.7E-08	8.4E-08	4.8E-08	8.4E-06	9.2E-09	3.5E-09
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NNE								
ADULT	2.7E-08	4.4E-09	1.9E-08	3.6E-08	1.9E-08	1.3E-06	5.6E-09	2.3E-09
TEEN	2.9E-08	5.7E-09	3.3E-08	6.2E-08	3.2E-08	2.1E-06	9.5E-09	3.0E-09
CHILD	2.8E-08	6.8E-09	7.9E-08	1.0E-07	5.3E-08	4.1E-06	1.4E-08	4.7E-09
INFNT	3.5E-08	9.2E-09	1.3E-07	2.0E-07	8.5E-08	1.0E-05	2.4E-08	7.2E-09
INHAL PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	6.6E-08	8.3E-08	1.1E-08	7.4E-08	7.7E-08	2.7E-06	4.4E-07	5.5E-08
TEEN	6.7E-08	8.1E-08	1.5E-08	8.1E-08	8.5E-08	3.4E-06	6.2E-07	5.5E-08
CHILD	5.9E-08	5.9E-08	2.0E-08	7.3E-08	7.7E-08	4.0E-06	5.1E-07	4.9E-08
INFNT	3.5E-08	3.2E-08	1.5E-08	4.9E-08	4.6E-08	3.7E-06	3.3E-07	2.8E-08

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 1 1 1 THRU 84 33184

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	6.3E-07	6.3E-07	6.3E-07	8.3E-07	6.3E-07	6.3E-07	6.6E-07	8.0E-08
TEEN	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.6E-07	2.0E-06
CHILD	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.6E-07	2.0E-08
INFNT	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.3E-07	6.6E-07	2.0E-06
GROUND PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	5.8E-06
TEEN	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	5.8E-06
CHILD	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	5.8E-06
INFNT	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	4.9E-06	5.8E-06
VEGET PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	3.6E-07	9.0E-07	1.8E-07	4.0E-07	1.7E-07	1.1E-05	4.0E-08	5.8E-09
TEEN	3.7E-07	9.1E-07	2.7E-07	5.9E-07	2.2E-07	8.8E-06	6.5E-08	6.6E-09
CHILD	4.8E-07	5.9E-07	6.2E-07	9.3E-07	3.2E-07	1.3E-05	9.6E-08	1.0E-08
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 90	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NE								
ADULT	2.2E-09	1.1E-03	6.5E-10	1.8E-09	6.2E-10	4.2E-08	1.6E-10	4.0E-11
TEEN	1.4E-09	5.7E-09	5.3E-10	1.4E-09	4.9E-10	3.1E-08	1.3E-10	2.4E-11
CHILD	1.8E-09	2.9E-09	9.6E-10	1.8E-09	6.0E-10	4.6E-08	1.5E-10	2.9E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE								
ADULT	9.0E-09	3.5E-09	6.9E-09	1.2E-08	8.9E-09	1.1E-06	1.0E-09	8.8E-11
TEEN	1.0E-08	4.3E-09	1.2E-08	2.2E-08	1.6E-08	1.7E-06	2.0E-09	1.1E-10
CHILD	1.2E-08	3.2E-09	2.9E-08	3.6E-08	2.6E-08	3.5E-06	3.0E-09	1.8E-10
INFNT	1.7E-08	3.0E-09	5.2E-08	7.4E-08	4.3E-08	8.4E-06	5.2E-09	2.7E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE								
ADULT	2.3E-08	2.1E-09	1.6E-08	3.1E-08	1.6E-08	1.3E-06	3.0E-09	1.8E-10
TEEN	2.4E-08	2.8E-09	2.9E-08	5.3E-08	2.8E-08	2.1E-06	5.9E-09	2.3E-10
CHILD	2.2E-08	2.3E-09	6.9E-08	8.8E-08	4.5E-08	4.2E-06	8.8E-09	3.7E-10
INFNT	2.7E-08	2.5E-09	1.2E-07	1.7E-07	7.4E-08	1.0E-05	1.5E-08	5.6E-10
INHAL PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	7.9E-09	1.5E-08	4.6E-09	1.1E-08	1.3E-08	1.2E-06	1.6E-07	3.2E-09
TEEN	8.2E-09	1.4E-08	6.4E-09	1.4E-08	1.7E-08	1.6E-06	2.3E-07	3.2E-09
CHILD	7.4E-09	7.2E-09	8.6E-09	1.[illegible]E-08	1.5E-08	1.8E-06	1.9E-07	2.8E-09
INFNT	4.5E-09	3.1E-09	8.4E-09	1.1E-08	9.8E-09	1.7E-06	1.2E-07	1.6E-09

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 1 1 1 THRU 84 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1858. METERS, WINDS TOWARD ENE								
ADULT	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.2E-07	8.2E-07
TEEN	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.2E-07	8.2E-07
CHILD	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.2E-07	8.2E-07
INFNT	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.2E-07	8.2E-07
GROUND PATHWAY, DIST GP= 1, 1858. METERS, WINDS TOWARD ENE								
ADULT	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.6E-06
TEEN	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.6E-06
CHILD	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.6E-06
INFNT	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.6E-06
VEGET PATHWAY, DIST GP= 1, 1858. METERS, WINDS TOWARD ENE								
ADULT	2.2E-07	5.5E-07	1.1E-07	2.5E-07	1.1E-07	7.3E-06	2.4E-08	3.3E-09
TEEN	2.3E-07	5.6E-07	1.7E-07	3.6E-07	1.4E-07	6.1E-06	4.0E-08	3.7E-09
CHILD	2.9E-07	3.6E-07	3.8E-07	5.7E-07	2.0E-07	9.3E-06	5.9E-08	5.8E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 3862. METERS, WINDS TOWARD ENE								
ADULT	1.2E-08	6.0E-08	3.7E-09	1.0E-08	3.6E-09	2.7E-07	8.3E-10	1.5E-10
TEEN	8.0E-09	3.2E-08	3.0E-09	8.1E-09	2.8E-09	1.9E-07	7.0E-10	9.2E-11
CHILD	1.0E-08	1.6E-08	5.5E-09	1.0E-08	3.5E-09	8.9E-07	8.1E-10	1.1E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ENE								
ADULT	1.5E-08	5.7E-09	1.1E-08	2.0E-08	1.5E-08	2.0E-06	1.6E-09	1.2E-10
TEEN	1.7E-08	7.1E-09	2.0E-08	3.5E-08	2.7E-08	3.1E-06	3.1E-09	1.6E-10
CHILD	2.0E-08	5.2E-09	4.8E-08	5.9E-08	4.4E-08	6.2E-06	4.7E-09	2.5E-10
INFNT	3.0E-08	4.9E-09	8.6E-08	1.2E-07	7.4E-08	1.5E-05	8.2E-09	3.8E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ENE								
ADULT	3.7E-08	3.6E-09	2.6E-08	4.9E-08	2.7E-08	2.4E-06	4.8E-09	2.5E-10
TEEN	3.8E-08	4.6E-09	4.7E-08	8.6E-08	4.6E-08	3.8E-06	9.3E-09	3.2E-10
CHILD	3.6E-08	3.8E-09	1.1E-07	1.4E-07	7.5E-08	7.4E-06	1.4E-08	5.0E-10
INFNT	4.6E-08	4.0E-09	1.9E-07	2.8E-07	1.2E-07	1.8E-05	2.4E-08	7.7E-10
INHAL PATHWAY, DIST GP= 1, 1858. METERS, WINDS TOWARD ENE								
ADULT	4.4E-09	7.8E-09	2.5E-09	6.2E-09	7.2E-09	6.9E-07	8.3E-08	1.8E-09
TEEN	4.6E-09	7.5E-09	3.5E-09	7.8E-09	9.2E-09	8.7E-07	1.2E-07	1.8E-09
CHILD	4.1E-09	3.9E-09	4.7E-09	7.3E-09	8.5E-09	1.0E-06	9.7E-08	1.6E-09
INFNT	2.5E-09	1.7E-09	3.5E-09	5.8E-09	5.4E-09	9.4E-07	6.3E-08	9.3E-10

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 1 1 1 THRU 84 33184

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	2.0E-07	5.0E-07
TEEN	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	2.0E-07	5.0E-07
CHILD	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	2.0E-07	5.0E-07
INFNT	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	2.0E-07	5.0E-07
GROUND PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.4E-06
TEEN	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.4E-06
CHILD	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.4E-06
INFNT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.4E-06
VEGET PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	1.4E-07	3.8E-07	7.5E-08	1.6E-07	7.9E-08	7.5E-06	1.4E-08	1.7E-09
TEEN	1.5E-07	3.8E-07	1.1E-07	2.2E-07	9.6E-08	6.2E-06	2.3E-08	1.9E-09
CHILD	1.9E-07	2.4E-07	2.4E-07	3.5E-07	1.4E-07	9.5E-06	3.4E-08	3.0E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E								
ADULT	2.4E-09	1.2E-08	7.5E-10	2.0E-09	8.3E-10	8.5E-08	1.5E-10	2.9E-11
TEEN	1.6E-09	6.7E-09	6.2E-10	1.6E-09	6.6E-10	6.2E-08	1.3E-10	1.7E-11
CHILD	2.1E-09	3.4E-09	1.1E-09	2.0E-09	8.3E-10	9.3E-08	1.4E-10	2.1E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	8.7E-09	3.9E-09	7.5E-09	1.3E-08	1.2E-08	1.8E-06	8.1E-10	5.3E-11
TEEN	1.1E-08	4.8E-09	1.3E-08	2.2E-08	2.1E-08	2.8E-06	1.6E-09	7.0E-11
CHILD	1.4E-08	3.5E-09	3.2E-08	3.7E-08	3.4E-08	5.6E-06	2.4E-09	1.1E-10
INFNT	2.3E-08	3.3E-09	6.0E-08	8.0E-08	5.9E-08	1.4E-05	4.1E-09	1.7E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	2.0E-08	2.6E-09	1.6E-08	2.8E-08	1.8E-08	2.1E-06	2.4E-09	1.1E-10
TEEN	2.2E-08	3.4E-09	2.8E-08	4.8E-08	3.2E-08	3.4E-06	4.7E-09	1.4E-10
CHILD	2.3E-08	2.7E-09	6.6E-08	8.0E-08	5.3E-08	6.7E-06	7.0E-09	2.2E-10
INFNT	3.2E-08	2.8E-09	1.2E-07	1.6E-07	8.8E-08	1.6E-05	1.2E-08	3.4E-10
INHAL PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	2.5E-09	4.7E-09	1.7E-09	3.7E-09	4.7E-09	5.4E-07	5.2E-08	9.3E-10
TEEN	2.7E-09	4.5E-09	2.4E-09	4.7E-09	6.1E-09	6.8E-07	7.5E-08	9.4E-10
CHILD	2.5E-09	2.2E-09	3.2E-09	4.5E-09	5.7E-09	7.9E-07	6.1E-08	8.3E-10
INFNT	1.6E-09	9.6E-10	2.4E-09	3.7E-09	3.6E-09	7.2E-07	4.0E-08	4.8E-10

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 1 1 1 THRU 84 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	5.4E-07
TEEN	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	5.4E-07
CHILD	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	5.4E-07
INFNT	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	2.1E-07	5.4E-07
GROUND PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	3.0E-06
TEEN	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	3.0E-06
CHILD	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	3.0E-06
INFNT	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	3.0E-06
VEGET PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	1.7E-07	4.7E-07	9.0E-08	1.9E-07	9.5E-08	9.4E-06	1.6E-08	1.9E-09
TEEN	1.8E-07	4.7E-07	1.3E-07	2.6E-07	1.1E-07	7.8E-06	2.7E-08	2.2E-09
CHILD	2.4E-07	3.1E-07	2.9E-07	4.1E-07	1.7E-07	1.2E-05	3.9E-08	3.4E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE								
ADULT	1.6E-08	8.5E-08	4.9E-09	1.3E-08	5.4E-09	5.7E-07	8.9E-10	1.5E-10
TEEN	1.1E-08	4.5E-08	4.0E-09	1.0E-08	4.3E-09	4.1E-07	7.6E-10	8.9E-11
CHILD	1.4E-08	2.3E-08	7.2E-09	1.3E-08	5.4E-09	6.3E-07	8.8E-10	1.1E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE								
ADULT	9.5E-09	4.4E-09	8.4E-09	1.4E-08	1.3E-08	2.0E-06	8.6E-10	5.3E-11
TEEN	1.2E-08	5.5E-09	1.5E-08	2.4E-08	2.4E-08	3.2E-06	1.7E-09	7.0E-11
CHILD	1.6E-08	4.0E-09	3.6E-08	4.1E-08	3.9E-08	6.4E-06	2.5E-09	1.1E-10
INFNT	2.6E-08	3.8E-09	6.7E-08	8.9E-08	6.7E-08	1.6E-05	4.4E-09	1.7E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE								
ADULT	2.1E-08	2.9E-09	1.7E-08	3.0E-08	2.0E-08	2.5E-06	2.5E-09	1.1E-10
TEEN	2.3E-08	3.8E-09	3.1E-08	5.2E-08	3.6E-08	3.9E-06	5.0E-09	1.4E-10
CHILD	2.5E-08	3.1E-09	7.3E-08	8.8E-08	5.9E-08	7.7E-06	7.5E-09	2.2E-10
INFNT	3.6E-08	3.1E-09	1.3E-07	1.8E-07	9.9E-08	1.9E-05	1.3E-08	3.4E-10
INHAL PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	2.8E-09	5.2E-09	1.7E-09	4.0E-09	4.9E-09	5.3E-07	5.7E-08	1.1E-09
TEEN	2.9E-09	5.0E-09	2.4E-09	6.1E-09	6.3E-09	8.6E-07	8.3E-08	1.1E-09
CHILD	2.7E-09	2.5E-09	3.3E-09	4.8E-09	5.8E-09	7.7E-07	6.8E-08	9.5E-10
INFNT	1.7E-09	1.1E-09	2.5E-09	3.9E-09	3.7E-09	7.0E-07	4.4E-08	5.4E-10

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 1 1 1 THRU 84 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.8E-07	1.6E-06
TEEN	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.6E-07	1.6E-06
CHILD	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.6E-07	1.6E-06
INFNT	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.6E-07	1.6E-06
GROUND PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	8.7E-06
TEEN	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	8.7E-06
CHILD	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	8.7E-06
INFNT	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	8.7E-06
VEGET PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	4.9E-07	1.4E-06	2.7E-07	5.5E-07	2.9E-07	2.9E-05	4.6E-08	4.7E-09
TEEN	5.2E-07	1.4E-06	3.7E-07	7.7E-07	3.4E-07	2.4E-05	7.7E-08	5.4E-09
CHILD	6.9E-07	8.8E-07	8.4E-07	1.2E-06	4.9E-07	3.7E-05	1.1E-07	8.4E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE								
ADULT	7.0E-09	3.7E-08	2.2E-09	5.8E-09	2.5E-09	2.7E-07	3.8E-10	5.7E-11
TEEN	4.7E-09	2.0E-08	1.8E-09	4.6E-09	2.0E-09	1.9E-07	3.3E-10	3.4E-11
CHILD	6.3E-09	9.9E-09	3.2E-09	5.7E-09	2.5E-09	2.9E-07	3.8E-10	4.1E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 6840. METERS, WINDS TOWARD SE								
ADULT	1.4E-08	6.7E-09	1.3E-08	2.1E-08	2.1E-08	3.2E-06	1.3E-09	6.6E-11
TEEN	1.8E-08	8.3E-09	2.3E-08	3.7E-08	3.7E-08	5.1E-06	2.5E-09	8.6E-11
CHILD	2.5E-08	6.1E-09	6.5E-08	6.3E-08	6.1E-08	1.0E-05	3.7E-09	1.4E-10
INFNT	4.1E-08	5.7E-09	1.0E-07	1.4E-07	1.0E-07	2.5E-05	6.5E-09	2.1E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SE								
ADULT	2.4E-08	3.4E-09	2.0E-08	3.4E-08	2.4E-08	2.9E-06	2.8E-09	1.1E-10
TEEN	2.7E-08	4.5E-09	3.5E-08	6.0E-08	4.2E-08	4.6E-06	5.6E-09	1.4E-10
CHILD	2.9E-08	3.6E-09	8.3E-08	1.0E-07	6.9E-08	9.2E-06	8.3E-09	2.2E-10
INFNT	4.2E-08	3.6E-09	1.5E-07	2.0E-07	1.2E-07	2.2E-05	1.5E-08	3.3E-10
INHAL PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	6.8E-09	1.4E-08	4.2E-09	9.7E-09	1.2E-08	1.2E-06	1.7E-07	2.6E-09
TEEN	7.2E-09	1.4E-08	5.9E-09	1.2E-08	1.5E-08	1.5E-06	2.4E-07	2.6E-09
CHILD	6.6E-09	6.6E-09	7.9E-09	1.2E-08	1.4E-08	1.8E-06	2.0E-07	2.3E-09
INFNT	4.1E-09	2.8E-09	5.9E-09	9.4E-09	8.8E-09	1.6E-06	1.3E-07	1.3E-09

ENTER [C] TO CONTINUE

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INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 1 1 1 THRU 84 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.7E-07	6.9E-07
TEEN	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.7E-07	6.9E-07
CHILD	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.7E-07	6.9E-07
INFNT	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.7E-07	6.9E-07
GROUND PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	3.0E-06
TEEN	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	3.0E-06
CHILD	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	3.0E-06
INFNT	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	2.6E-06	3.0E-06
VEGET PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	1.9E-07	4.8E-07	1.1E-07	2.3E-07	1.5E-07	2.0E-05	1.7E-08	2.3E-09
TEEN	2.0E-07	4.8E-07	1.5E-07	3.1E-07	1.7E-07	1.7E-05	2.8E-08	2.6E-09
CHILD	2.7E-07	3.1E-07	3.3E-07	4.7E-07	2.4E-07	2.5E-05	4.2E-08	4.1E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7425. METERS, WINDS TOWARD SSE								
ADULT	1.3E-09	6.5E-09	4.8E-10	1.2E-09	6.8E-10	9.3E-08	7.5E-11	1.6E-11
TEEN	9.0E-10	3.4E-09	3.9E-10	9.3E-10	5.5E-10	6.7E-08	6.3E-11	9.4E-12
CHILD	1.2E-09	1.7E-09	7.1E-10	1.2E-09	6.9E-10	1.0E-07	7.3E-11	1.1E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 6840. METERS, WINDS TOWARD SSE								
ADULT	9.6E-09	4.3E-09	9.2E-09	1.5E-08	1.8E-08	3.0E-06	6.3E-10	4.2E-11
TEEN	1.3E-08	5.5E-09	1.6E-08	2.6E-08	3.1E-08	4.7E-06	1.2E-09	5.4E-11
CHILD	2.0E-08	4.2E-09	4.0E-08	4.4E-08	5.2E-08	9.3E-06	1.8E-09	8.6E-11
INFNT	3.4E-08	4.0E-09	7.7E-08	9.9E-08	8.9E-08	2.3E-05	3.2E-09	1.3E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSE								
ADULT	1.4E-08	2.7E-09	1.2E-08	2.1E-08	1.8E-08	2.7E-06	1.4E-09	6.7E-11
TEEN	1.7E-08	3.6E-09	2.2E-08	3.6E-08	3.2E-08	4.3E-06	2.7E-09	8.7E-11
CHILD	2.1E-08	2.9E-09	5.1E-08	6.1E-08	5.3E-08	8.4E-06	4.1E-09	1.4E-10
INFNT	3.4E-08	2.9E-09	9.5E-08	1.3E-07	9.1E-08	2.1E-05	7.1E-09	2.1E-10
INHAL PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	3.6E-09	5.9E-09	2.6E-09	5.4E-09	7.2E-09	9.0E-07	6.1E-08	1.3E-09
TEEN	4.0E-09	5.6E-09	3.6E-09	6.9E-09	9.4E-09	1.1E-06	8.8E-08	1.3E-09
CHILD	3.8E-09	2.9E-09	4.8E-09	6.6E-09	8.7E-09	1.3E-06	7.1E-08	1.1E-09
INFNT	2.4E-09	1.3E-09	3.7E-09	5.5E-09	5.6E-09	1.2E-06	4.6E-08	6.5E-10

ENTER [C] TO CONTINUE

THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 1 1 1 THRU 84 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.5E-07	1.5E-06
TEEN	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.5E-07	1.5E-06
CHILD	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.5E-07	1.5E-06
INFNT	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.3E-07	4.[illegible]97	4.5E-07	1.5E-06
GROUND PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	2.2E-06	2.2E-06	2.8E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.6E-06
TEEN	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.6E-06
CHILD	2.2E-06	2.2E-06	2.8E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.6E-06
INFNT	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.6E-06
VEGET PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.7E-07	4.1E-07	9.8E-08	2.0E-07	1.3E-07	1.5E-05	1.8E-08	3.8E-09
TEEN	1.8E-07	4.1E-07	1.3E-07	2.8E-07	1.5E-07	1.3E-05	2.9E-08	4.3E-09
CHILD	2.3E-07	2.7E-07	2.9E-07	4.3E-07	2.1E-07	1.9E-05	4.2E-08	6.7E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S								
ADULT	1.1E-09	5.2E-09	3.9E-10	1.0E-09	5.5E-10	6.8E-08	7.9E-11	2.5E-11
TEEN	7.4E-10	2.8E-09	3.2E-10	7.9E-10	4.3E-10	5.0E-08	6.3E-11	1.5E-11
CHILD	9.7E-10	1.4E-09	5.8E-10	9.8E-10	5.4E-10	7.5E-08	7.3E-11	1.2E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	4.2E-09	1.8E-09	3.8E-09	6.3E-09	7.1E-09	1.2E-06	3.2E-10	3.8E-11
TEEN	5.6E-09	2.3E-09	6.9E-09	1.1E-08	1.3E-08	1.9E-06	6.1E-10	5.0E-11
CHILD	8.1E-09	1.7E-09	1.7E-08	1.9E-08	2.1E-08	3.7E-06	9.2E-10	7.9E-11
INFNT	1.4E-08	1.7E-09	3.2E-08	4.2E-08	3.6E-08	8.9E-06	1.6E-09	1.2E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	8.6E-09	1.5E-09	7.0E-09	1.2E-08	1.0E-08	1.4E-06	9.3E-10	7.8E-11
TEEN	1.0E-08	2.0E-09	1.2E-08	2.1E-08	1.8E-08	2.2E-06	1.8E-09	1.0E-10
CHILD	1.2E-08	1.6E-09	3.0E-08	3.6E-08	2.9E-08	4.4E-06	2.7E-09	1.6E-10
INFNT	1.9E-08	1.7E-09	5.4E-08	7.5E-08	4.9E-08	1.1E-05	4.7E-09	2.4E-10
INHAL PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	6.1E-09	8.5E-09	4.6E-09	9.4E-09	1.3E-08	1.7E-06	7.8E-08	2.1E-09
TEEN	6.9E-09	8.3E-09	6.5E-09	1.2E-08	1.7E-08	2.1E-06	1.1E-07	2.1E-09
CHILD	8.7E-09	4.4E-09	8.7E-09	1.2E-08	1.6E-08	2.5E-06	9.2E-08	1.9E-09
INFNT	4.4E-09	2.0E-09	6.8E-09	9.8E-09	1.0E-08	2.2E-06	6.0E-08	1.1E-09

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THIS IS TOTAL ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 1 1 1 THRU 84 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN

PLUME PATHWAY, DIST GP- 1, 770. METERS, WINDS TOWARD SSW

ADULT	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.9E-07	1.2E-06
TEEN	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.9E-07	1.2E-06
CHILD	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.9E-07	1.2E-06
INFNT	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.7E-07	4.9E-07	1.2E-06

GROUND PATHWAY, DIST GP- 1, 770. METERS, WINDS TOWARD SSW

ADULT	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	4.1E-06
TEEN	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	4.1E-06
CHILD	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	4.1E-06
INFNT	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	3.5E-06	4.1E-06

VEGET PATHWAY, DIST GP- 1, 770. METERS, WINDS TOWARD SSW

ADULT	3.0E-07	6.5E-07	1.7E-07	3.6E-07	2.2E-07	2.5E-05	3.0E-08	4.4E-09
TEEN	3.1E-07	6.5E-07	2.3E-07	4.9E-07	2.5E-07	2.1E-05	4.9E-08	5.1E-09
CHILD	3.8E-07	4.2E-07	5.0E-07	7.6E-07	3.5E-07	3.1E-05	7.2E-08	7.8E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00

MEAT PATHWAY, DIST GP- 1, 8045. METERS, WINDS TOWARD SSW

ADULT	9.5E-10	4.2E-09	3.4E-10	8.7E-10	4.6E-10	5.6E-08	6.7E-11	1.6E-11
TEEN	6.2E-10	2.2E-09	2.8E-10	6.9E-10	3.7E-10	4.1E-08	5.5E-11	9.6E-12
CHILD	7.9E-10	1.1E-09	5.1E-10	8.6E-10	4.6E-10	6.1E-08	6.4E-11	1.2E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00

COW PATHWAY, DIST GP- 1, 8045. METERS, WINDS TOWARD SSW

ADULT	6.0E-09	2.4E-09	5.3E-09	8.9E-09	9.6E-09	1.6E-06	4.7E-10	3.8E-11
TEEN	7.8E-09	3.0E-09	9.5E-09	1.6E-08	1.7E-08	2.5E-06	9.0E-10	4.9E-11
CHILD	1.1E-08	2.3E-09	2.3E-08	2.6E-08	2.8E-08	4.9E-06	1.3E-09	7.8E-11
INFNT	1.9E-08	2.2E-09	4.3E-08	5.8E-08	4.8E-08	1.2E-05	2.3E-09	1.2E-10

GOAT PATHWAY, DIST GP- 1, 8045. METERS, WINDS TOWARD SSW

ADULT	1.3E-08	2.0E-09	9.8E-09	1.8E-08	1.4E-08	1.9E-06	1.4E-09	7.7E-11
TEEN	1.5E-08	2.6E-09	1.7E-08	3.1E-08	2.4E-08	3.0E-06	2.7E-09	1.0E-10
CHILD	1.7E-08	2.1E-09	4.1E-08	5.2E-08	4.0E-08	5.8E-06	4.0E-09	1.6E-10
INFNT	2.5E-08	2.2E-09	7.5E-08	1.1E-07	6.8E-08	1.4E-05	8.9E-09	2.4E-10

INHAL PATHWAY, DIST GP- 1, 770. METERS, WINDS TOWARD SSW

ADULT	7.0E-09	1.0E-08	5.1E-09	1.1E-08	1.4E-08	1.8E-06	9.5E-08	2.5E-09
TEEN	7.8E-09	9.8E-09	7.1E-09	1.4E-08	1.9E-08	2.3E-06	1.4E-07	2.5E-09
CHILD	7.4E-09	5.2E-09	9.7E-09	1.3E-08	1.8E-08	2.6E-06	1.1E-07	2.2E-09
INFNT	4.9E-09	2.3E-09	7.4E-09	1.1E-08	1.1E-08	2.4E-06	7.2E-08	1.3E-09

ENTER [C] TO CONTINUE

APPENDIX 1.3

SUMMARY OF MAXIMUM INDIVIDUAL DOSES
FOR SECOND QUARTER OF 1984

2ND QUARTER - 1984

SUMMARY OF MAXIMUM INDIVIDUAL DOSES

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERL LIMIT (MR)
Liquid	Total Body	9.52 E-2	Adult	Receptor 1	6.35	1.5
Liquid	Liver	1.28 E-1	Teen	Receptor 1	2.56	5.0
Noble Gas	Air Dose (Gamma-mrad)	8.05 E-3	All	1497 ENE	0.16	5.0
Noble Gas	Air Dose (Beta-mrad)	2.43 E-2	All	1497 ENE	0.24	10.0
Noble Gas	Total Body	3.10 E-3	All	770 SSW	0.06	Yearly 5.0
Noble Gas	Skin	8.75 E-3	All	770 SSW	0.06	Yearly 15.0
Iodines and Particulates	Thyroid	2.98 E-2	Child	770 SSW	0.40	7.5

FOR RECEPTOR NUMBER 1

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 84 4 1 1 END DATE 84 63024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	4.5E-07	7.4E-08	7.8E-06	7.8E-08	6.9E-08	6.7E-06	7.0E-06	0.0E 00
TEEN	4.4E-07	5.4E-08	5.0E-06	5.7E-06	4.9E-06	4.8E-06	4.9E-06	0.0E 00
CHILD	1.3E-06	1.0E-05	9.3E-06	1.1E-05	9.4E-06	9.1E-06	9.1E-06	0.0E 00
INFANT	1.3E-06	1.1E-05	9.0E-06	1.3E-05	9.3E-06	9.0E-06	8.9E-06	0.0E 00
SHORE								
ADULT	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	8.7E-08	1.0E-07
TEEN	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	5.7E-07
CHILD	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.2E-07
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
FW SPT	FISH							
ADULT	6.7E-05	1.2E-04	8.8E-05	1.7E-06	4.0E-05	1.3E-05	1.0E-05	0.0E 00
TEEN	7.1E-05	1.2E-04	5.0E-05	1.6E-06	4.0E-05	1.6E-05	7.5E-06	0.0E 00
CHILD	8.8E-05	1.1E-04	1.9E-05	1.5E-06	3.4E-05	1.2E-05	2.9E-06	0.0E 00
INFANT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00

TYPE [C] TO CONTINUE

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 84 4 1 1 END DATE 84 63024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
TOTAL								
ADULT	8.9E-05	1.3E-04	9.5E-05	9.7E-06	4.7E-05	8.0E-05	1.8E-05	1.0E-07
TEEN	7.2E-05	1.3E-04	5.5E-05	7.7E-06	4.6E-05	8.1E-05	1.3E-05	5.7E-07
CHILD	8.9E-05	1.2E-04	2.9E-05	1.3E-05	4.4E-05	8.2E-05	1.2E-05	1.2E-07
INFANT	1.3E-06	1.1E-05	9.0E-06	1.3E-05	9.3E-06	9.0E-06	8.9E-06	0.0E 00

RECEPTOR NUMBER - TYPE (1-5)

```
DOSE TYPE
ENTER: [GA]      GAMMA
       [BE]      BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
GA
 DATES OF LAST AIR DOSE ACCUMULATION ARE FROM84 4 1 1 TO 84 63024
 DOSE ACCUMULATION FOR GAMMA
 FOR RELEASE POINT   1
 **DIRECTION FROM  N
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM NNE
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM NE
  4.3729E-07    2.3088E-08    1.3467E-08    9.4422E-09    7.2920E-09
  4.3290E-09    2.1353E-09    1.2705E-09    9.0373E-10    7.0104E-10
 **DIRECTION FROM ENE
  2.7609E-07    1.3442E-08    8.0743E-09    5.7661E-09    4.4855E-09
  2.6912E-09    1.3455E-09    8.0733E-10    5.7666E-10    4.4852E-10
 **DIRECTION FROM  E
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM ESE
  2.0790E-05    2.8984E-06    1.3171E-06    7.5604E-07    5.3238E-07
  2.7046E-07    1.0456E-07    5.1500E-08    3.2810E-08    2.3555E-08
 **DIRECTION FROM SE
  5.9487E-08    5.7974E-07    3.1421E-07    2.0402E-07    1.4942E-07
  8.0039E-08    3.4031E-08    1.7197E-08    1.1050E-08    8.2175E-09
 **DIRECTION FROM SSE
  1.4759E-06    1.8989E-07    9.7636E-08    6.1647E-08    4.3715E-08
  2.2048E-08    9.0238E-09    4.6339E-09    3.0290E-09    2.2112E-09
 **DIRECTION FROM  S
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM SSW
  7.1536E-09    1.0019E-09    4.5559E-10    2.6181E-10    1.8437E-10
  9.3847E-11    3.6360E-11    1.7929E-11    1.1431E-11    8.2138E-12
 **DIRECTION FROM SW
  3.9441E-09    1.2906E-10    4.7472E-11    3.0172E-11    2.2896E-11
  1.3737E-11    6.8682E-12    4.1209E-12    2.9435E-12    2.2894E-12
 **DIRECTION FROM WSW
  1.5188E-06    2.1089E-07    9.6041E-08    5.5273E-08    3.8954E-08
  1.9858E-08    7.7155E-09    3.8149E-09    2.4368E-09    1.7534E-09
 **DIRECTION FROM  W
  7.7596E-07    5.6065E-08    2.3438E-08    1.3260E-08    8.8122E-09
  3.9862E-09    1.4357E-09    7.7901E-10    5.5644E-10    4.3279E-10
 **DIRECTION FROM WNW
  1.7959E-08    8.7438E-10    5.2524E-10    3.7509E-10    2.9178E-10
  1.7506E-10    8.7528E-11    5.2517E-11    3.7512E-11    2.9176E-11
 **DIRECTION FROM NW
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM NNW
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  DISTANCES USED IN CALCULATIONS
    594.0  2416.0  4022.0  5632.0  7240.0
  12067.0 24135.0 40225.0 56315.0 72405.0
 ENTER: [RETURN] WHEN READY TO CONTINUE
```

```
FOR RELEASE POINT   2
**DIRECTION FROM  N
 4.3211E-06    4.9896E-07    8.3584E-07    1.4077E-07    9.9251E-08
 5.0080E-08    1.9711E-08    9.8623E-09    6.3381E-09    4.5941E-09
**DIRECTION FROM NNE
 8.0002E-06    9.8469E-07    4.4960E-07    2.6123E-07    1.8153E-07
 8.9172E-08    3.3605E-08    1.6415E-08    1.0394E-08    7.3993E-09
**DIRECTION FROM NE
 6.1957E-06    7.8998E-07    3.7578E-07    2.2458E-07    1.5825E-07
 7.9748E-08    3.1414E-08    1.5702E-08    1.0089E-08    7.2903E-09
**DIRECTION FROM ENE
 5.5152E-06    6.6780E-07    3.2652E-07    1.9914E-07    1.4103E-07
 7.1463E-08    2.8564E-08    1.4336E-08    9.2248E-09    6.7041E-09
**DIRECTION FROM  E
 6.6674E-06    7.9161E-07    3.8620E-07    2.3544E-07    1.6683E-07
 8.4317E-08    3.3654E-08    1.6883E-08    1.0861E-08    7.8932E-09
**DIRECTION FROM ESE
 9.9939E-06    1.1890E-06    5.6694E-07    3.4016E-07    2.3940E-07
 1.2010E-07    4.7115E-08    2.3448E-08    1.5020E-08    1.0865E-08
**DIRECTION FROM SE
 9.3476E-06    1.1382E-06    5.4514E-07    3.2768E-07    2.3138E-07
 1.1692E-07    4.6213E-08    2.3061E-08    1.4791E-08    1.0714E-08
**DIRECTION FROM SSE
 4.0547E-06    4.8653E-07    2.3886E-07    1.4588E-07    1.0400E-07
 5.3497E-08    2.1655E-08    1.0918E-08    7.0444E-09    5.1468E-09
**DIRECTION FROM  S
 5.3945E-06    6.6284E-07    3.2307E-07    1.9629E-07    1.3952E-07
 7.1377E-08    2.8692E-08    1.4422E-08    9.2878E-09    6.7627E-09
**DIRECTION FROM SSW
 6.4257E-06    7.7845E-07    3.7685E-07    2.2799E-07    1.6192E-07
 8.2765E-08    3.3143E-08    1.6618E-08    1.0686E-08    7.7769E-09
**DIRECTION FROM SW
 8.0880E-06    1.0035E-06    4.7923E-07    2.8731E-07    2.0277E-07
 1.0243E-07    4.0423E-08    2.0155E-08    1.2923E-08    9.3512E-09
**DIRECTION FROM WSW
 1.2682E-05    1.5778E-06    7.4247E-07    4.4080E-07    3.0940E-07
 1.5474E-07    6.0219E-08    2.9885E-08    1.9112E-08    1.3760E-08
**DIRECTION FROM  W
 7.5106E-06    9.2960E-07    4.3727E-07    2.5967E-07    1.8235E-07
 9.1316E-08    3.5639E-08    1.7770E-08    1.1401E-08    8.2177E-09
**DIRECTION FROM WNW
 4.5641E-06    5.3857E-07    2.5804E-07    1.5542E-07    1.0959E-07
 5.5170E-08    2.1792E-08    1.0922E-08    7.0234E-09    5.0877E-09
**DIRECTION FROM NW
 5.1290E-06    5.7341E-07    2.8595E-07    1.7687E-07    1.2652E-07
 6.5325E-08    2.6706E-08    1.3553E-08    8.7727E-09    6.4354E-09
**DIRECTION FROM NNW
 3.5461E-06    4.1007E-07    1.9080E-07    1.1281E-07    7.9365E-08
 4.0026E-08    1.5763E-08    7.9849E-09    5.1853E-09    3.7670E-09
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4022.0  5632.0  7240.0
 12067.0 24135.0 40225.0 56315.0 72405.0
 ENTER: [RETURN] WHEN READY TO CONTINUE
```

```
DOSE TYPE
ENTER: [GA]      GAMMA
       [BE]      BETA
       [RETURN] GO BACK TO PREVIOUS OPTION
BE
 DATES OF LAST AIR DOSE ACCUMULATION ARE FROM84 4 1 1 TO 84 63024
 DOSE ACCUMULATION FOR BETA
 FOR RELEASE POINT   1
 **DIRECTION FROM  N
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM NNE
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM NE
  2.3267E-06    2.1244E-07    1.0543E-07    6.5348E-08    4.8141E-08
  2.6339E-08    1.1566E-08    8.3501E-09    4.3278E-09    3.2628E-09
 **DIRECTION FROM ENE
  8.9805E-07    4.3723E-08    2.6264E-08    1.8756E-08    1.4590E-08
  8.7540E-09    4.3768E-09    2.6261E-09    1.8758E-09    1.4589E-09
 **DIRECTION FROM  E
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM ESE
  6.8002E-05    9.4611E-06    4.2978E-06    2.4687E-08    1.7365E-06
  8.8168E-07    3.4085E-07    1.6775E-07    1.0686E-07    7.6712E-08
 **DIRECTION FROM SE
  1.8033E-05    1.7575E-06    9.5253E-07    6.1847E-07    4.5298E-07
  2.4264E-07    1.0316E-07    5.2133E-08    3.3498E-08    2.4911E-08
 **DIRECTION FROM SSE
  4.4742E-06    5.7583E-07    2.9598E-07    1.8688E-07    1.3252E-07
  6.6838E-08    2.7356E-08    1.4048E-08    9.1823E-09    6.7032E-09
 **DIRECTION FROM  S
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM SSW
  4.1885E-07    5.8660E-08    2.6675E-08    1.5329E-08    1.0795E-08
  5.4948E-09    2.1289E-09    1.0497E-09    6.6932E-10    4.8092E-10
 **DIRECTION FROM SW
  2.3093E-07    7.5565E-09    2.7795E-09    1.7866E-09    1.3405E-09
  8.0431E-10    4.0214E-10    2.4128E-10    1.7234E-10    1.3405E-10
 **DIRECTION FROM WSW
  5.9932E-06    8.1079E-07    3.7092E-07    2.1443E-07    1.5148E-07
  7.7570E-08    3.0396E-08    1.5151E-08    9.7305E-09    7.0303E-09
 **DIRECTION FROM  W
  2.8937E-06    2.0871E-07    8.7389E-08    4.9507E-08    3.2936E-08
  1.4935E-08    5.3996E-09    2.9340E-09    2.0957E-09    1.6300E-09
 **DIRECTION FROM WNW
  3.5192E-07    1.7133E-08    1.0292E-08    7.3499E-09    5.7175E-09
  3.4304E-09    1.7151E-09    1.0291E-09    7.3505E-10    5.7171E-10
 **DIRECTION FROM NW
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
 **DIRECTION FROM NNW
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00    0.0000E 00
  DISTANCES USED IN CALCULATIONS
    594.0  2416.0  4022.0  5628.0  7240.0
  12067.0 24135.0 40225.0 56315.0 72405.0
 ENTER: [RETURN] WHEN READY TO CONTINUE
```

```
FOR RELEASE POINT   2
**DIRECTION FROM  N
 1.2622E-05    1.4597E-06    5.8884E-07    4.1071E-07    8.8942E-07
 1.4591E-07    5.7352E-08    2.8681E-08    1.8427E-08    1.3350E-08
**DIRECTION FROM NNE
 2.3681E-05    2.9171E-06    1.3319E-06    7.7380E-07    5.3771E-07
 2.6411E-07    9.9518E-08    4.8601E-08    3.0770E-08    2.1902E-08
**DIRECTION FROM NE
 1.8035E-05    2.3003E-06    1.0937E-06    6.5342E-07    4.6040E-07
 2.3200E-07    9.1356E-08    4.5651E-08    2.9327E-08    2.1190E-08
**DIRECTION FROM ENE
 1.6126E-05    1.9543E-06    9.5473E-07    5.8190E-07    4.1201E-07
 2.0871E-07    8.3364E-08    4.1825E-08    2.6908E-08    1.9551E-08
**DIRECTION FROM  E
 1.9526E-05    2.3199E-06    1.1310E-06    6.8912E-07    4.8761E-07
 2.4665E-07    9.8394E-08    4.9351E-08    3.1746E-08    2.3067E-08
**DIRECTION FROM ESE
 2.9302E-05    3.4866E-06    1.6621E-06    9.9711E-07    7.0162E-07
 3.5184E-07    1.3798E-07    6.8661E-08    4.3979E-08    3.1809E-08
**DIRECTION FROM SE
 2.7257E-05    3.3183E-06    1.5897E-06    9.5572E-07    6.7485E-07
 3.4099E-07    1.3479E-07    6.7271E-08    4.3147E-08    3.1255E-08
**DIRECTION FROM SSE
 1.1820E-05    1.4200E-06    6.9689E-07    4.2546E-07    3.0332E-07
 1.5601E-07    6.3137E-08    3.1828E-08    2.0534E-08    1.5001E-08
**DIRECTION FROM  S
 1.5651E-05    1.9245E-06    9.3765E-07    5.6961E-07    4.0486E-07
 2.0709E-07    8.3231E-08    4.1833E-08    2.6939E-08    1.9614E-08
**DIRECTION FROM SSW
 1.8772E-05    2.2717E-06    1.1005E-06    6.6816E-07    4.7320E-07
 2.4192E-07    9.6913E-08    4.8595E-08    3.1247E-08    2.2745E-08
**DIRECTION FROM SW
 2.3583E-05    2.9247E-06    1.3974E-06    8.3863E-07    5.9150E-07
 2.9882E-07    1.1797E-07    5.8823E-08    3.7715E-08    2.7294E-08
**DIRECTION FROM WSW
 3.6927E-05    4.5910E-06    2.1598E-06    1.2821E-06    8.9981E-07
 4.4993E-07    1.7503E-07    8.6843E-08    5.5529E-08    3.9976E-08
**DIRECTION FROM  W
 2.1905E-05    2.7108E-06    1.2741E-06    7.5618E-07    5.3092E-07
 2.6579E-07    1.0366E-07    5.1663E-08    3.3137E-08    2.3879E-08
**DIRECTION FROM WNW
 1.3347E-05    1.5761E-06    7.5506E-07    4.5473E-07    3.2065E-07
 1.6143E-07    6.3760E-08    3.1952E-08    2.0545E-08    1.4883E-08
**DIRECTION FROM NW
 1.4864E-05    1.6637E-06    8.2892E-07    5.1245E-07    3.6647E-07
 1.8913E-07    7.7276E-08    3.9210E-08    2.5380E-08    1.8614E-08
**DIRECTION FROM NNW
 1.0442E-05    1.2080E-06    5.8200E-07    3.3225E-07    2.3373E-07
 1.1786E-07    4.6403E-08    2.3502E-08    1.5261E-08    1.1086E-08
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4022.0  5632.0  7240.0
 12067.0 24135.0 40225.0 56315.0 72405.0
ENTER: [RETURN] WHEN READY TO CONTINUE
```

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 4 1 1 THRU 84 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	2.3E-06	2.3E-08	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.4E-06	6.6E-08
TEEN	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.4E-06	6.6E-08
CHILD	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.4E-06	6.6E-08
INFNT	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.4E-06	6.6E-08
GROUND PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.7E-08
TEEN	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.7E-08
CHILD	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.7E-08
INFNT	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.7E-08
VEGET PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	4.2E-06	4.1E-07	3.0E-08	5.5E-06	1.9E-06	9.2E-06	6.0E-07	1.7E-09
TEEN	3.5E-06	4.2E-07	4.7E-08	8.4E-06	2.8E-06	7.7E-06	1.1E-06	1.9E-09
CHILD	2.6E-06	2.8E-07	1.1E-05	1.4E-05	4.4E-06	1.2E-05	1.5E-06	2.9E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NNE								
ADULT	9.8E-09	2.5E-09	6.9E-09	1.3E-08	4.3E-09	2.5E-08	1.4E-09	8.8E-12
TEEN	4.4E-09	1.4E-09	5.6E-09	1.0E-08	3.4E-09	1.8E-08	1.3E-09	5.3E-12
CHILD	2.7E-09	6.9E-10	1.0E-08	1.3E-08	4.1E-09	2.7E-08	1.4E-09	8.4E-12
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NNE								
ADULT	7.6E-08	2.8E-09	5.6E-08	1.0E-07	3.8E-08	6.4E-07	1.1E-08	2.0E-11
TEEN	7.5E-08	3.5E-09	9.9E-08	1.8E-07	6.3E-08	1.0E-06	2.2E-08	2.6E-11
CHILD	5.7E-08	2.6E-09	2.3E-07	2.9E-07	1.0E-07	2.0E-06	3.3E-08	4.0E-11
INFNT	5.4E-08	2.5E-09	3.8E-07	5.6E-07	1.6E-07	4.9E-06	5.8E-08	6.1E-11
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NNE								
ADULT	2.3E-07	6.2E-09	1.6E-07	3.0E-07	1.0E-07	7.7E-07	3.3E-08	4.0E-11
TEEN	2.2E-07	7.8E-09	2.9E-07	5.3E-07	1.8E-07	1.2E-06	6.5E-08	5.2E-11
CHILD	1.6E-07	5.7E-09	6.9E-07	8.7E-07	2.9E-07	2.4E-06	9.8E-08	8.2E-11
INFNT	1.5E-07	5.5E-09	1.1E-06	1.6E-06	4.5E-07	5.9E-06	1.7E-07	1.3E-10
INHAL PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	4.3E-08	5.7E-09	3.0E-08	5.4E-08	2.8E-08	7.5E-07	8.1E-08	9.2E-10
TEEN	3.3E-08	5.4E-09	4.2E-08	7.2E-08	3.0E-08	9.2E-07	1.2E-07	9.3E-10
CHILD	1.5E-08	2.5E-09	5.5E-08	6.7E-08	2.7E-08	1.0E-06	9.6E-08	8.2E-10
INFNT	6.0E-09	1.1E-09	3.4E-08	4.8E-08	1.6E-08	9.4E-07	6.2E-08	4.7E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 4 1 1 THRU 84 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.1E-06	5.6E-06
TEEN	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.1E-06	5.6E-06
CHILD	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.1E-06	5.6E-06
INFNT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.1E-06	5.6E-06
GROUND PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	7.0E-06
TEEN	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	7.0E-06
CHILD	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	7.0E-06
INFNT	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	6.0E-06	7.0E-06
VEGET PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	3.8E-06	3.7E-07	2.7E-06	5.0E-06	1.7E-06	8.4E-06	5.5E-07	1.5E-09
TEEN	3.2E-06	3.9E-07	4.3E-06	7.6E-06	2.5E-06	7.0E-06	9.5E-07	1.7E-09
CHILD	2.4E-06	2.6E-07	9.9E-06	1.2E-05	4.0E-06	1.1E-05	1.4E-06	2.7E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NE								
ADULT	1.4E-08	3.5E-09	9.5E-09	1.8E-08	5.9E-09	3.5E-08	1.9E-09	1.2E-11
TEEN	6.1E-09	1.9E-09	7.8E-09	1.4E-08	4.7E-09	2.5E-08	1.7E-09	7.0E-12
CHILD	3.8E-09	9.7E-10	1.4E-08	1.8E-08	5.8E-09	3.8E-08	2.0E-09	8.4E-12
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE								
ADULT	1.1E-07	3.9E-09	7.7E-08	1.4E-07	5.0E-08	9.0E-07	1.5E-08	2.3E-11
TEEN	1.0E-07	4.9E-09	1.4E-07	2.5E-07	8.7E-08	1.4E-06	3.0E-08	3.4E-11
CHILD	7.9E-08	3.6E-09	3.2E-07	4.1E-07	1.4E-07	2.8E-06	4.6E-08	5.3E-11
INFNT	7.6E-08	3.4E-09	5.2E-07	7.7E-07	2.2E-07	6.8E-06	8.0E-08	8.1E-11
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD NE								
ADULT	3.2E-07	8.6E-09	2.3E-07	4.2E-07	1.4E-07	1.1E-06	4.6E-08	5.3E-11
TEEN	3.1E-07	1.1E-08	4.1E-07	7.3E-07	2.5E-07	1.7E-06	9.1E-08	6.9E-11
CHILD	2.3E-07	8.0E-09	9.6E-07	1.2E-06	4.0E-07	3.4E-06	1.4E-07	1.1E-10
INFNT	2.1E-07	7.6E-09	1.5E-06	2.3E-06	6.2E-07	8.2E-06	2.4E-07	1.7E-10
INHAL PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE								
ADULT	4.1E-08	5.6E-09	2.9E-08	5.2E-08	2.2E-08	7.5E-07	8.1E-08	8.5E-10
TEEN	3.2E-08	5.3E-09	4.0E-08	7.0E-08	2.9E-08	9.3E-07	1.2E-07	8.5E-10
CHILD	1.5E-08	2.5E-09	5.4E-08	6.5E-08	2.6E-08	1.0E-06	9.6E-08	7.5E-10
INFNT	5.9E-09	1.0E-09	3.3E-08	4.7E-08	1.6E-08	9.4E-07	6.2E-08	4.3E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 4 1 1 THRU 84 63084

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.5E-06
TEEN	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.5E-06
CHILD	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.5E-06
INFNT	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.5E-06
GROUND PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	4.2E-06
TEEN	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	4.2E-06
CHILD	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	4.2E-06
INFNT	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	3.6E-06	4.2E-06
VEGET PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	2.2E-06	2.4E-07	1.6E-06	2.9E-06	9.9E-07	5.3E-06	3.2E-07	1.5E-09
TEEN	1.9E-06	2.5E-07	2.5E-06	4.5E-06	1.5E-06	4.4E-06	5.6E-07	1.7E-09
CHILD	1.4E-06	1.6E-07	5.8E-06	7.2E-06	2.3E-06	6.6E-06	8.2E-07	2.6E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 3862. METERS, WINDS TOWARD ENE								
ADULT	7.3E-08	2.1E-08	5.1E-08	9.5E-08	3.2E-08	2.0E-07	1.0E-08	7.2E-11
TEEN	3.3E-08	1.1E-08	4.1E-08	7.5E-08	2.5E-08	1.4E-07	9.3E-09	4.3E-11
CHILD	2.0E-08	5.7E-09	7.5E-08	9.5E-08	3.1E-08	2.2E-07	1.1E-08	5.2E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ENE								
ADULT	1.6E-07	6.1E-09	1.2E-07	2.1E-07	7.6E-08	1.4E-06	2.3E-08	5.7E-11
TEEN	1.6E-07	7.7E-09	2.1E-07	3.7E-07	1.3E-07	2.3E-06	4.6E-08	7.4E-11
CHILD	1.2E-07	5.6E-09	4.9E-07	6.1E-07	2.1E-07	4.5E-06	6.8E-08	1.2E-10
INFNT	1.1E-07	5.4E-09	7.9E-07	1.2E-06	3.4E-07	1.1E-05	1.2E-07	1.8E-10
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ENE								
ADULT	4.7E-07	1.3E-08	3.4E-07	6.3E-07	2.2E-07	1.7E-06	6.9E-08	1.2E-10
TEEN	4.6E-07	1.6E-08	6.1E-07	1.1E-06	3.7E-07	2.7E-06	1.4E-07	1.5E-10
CHILD	3.4E-07	1.2E-08	1.4E-06	1.8E-06	6.0E-07	5.4E-06	2.1E-07	2.4E-10
INFNT	3.2E-07	1.2E-08	2.3E-06	3.4E-06	9.3E-07	1.3E-05	3.6E-07	3.6E-10
INHAL PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	3.0E-08	4.4E-09	2.1E-08	3.8E-08	1.6E-08	5.6E-07	6.0E-08	8.2E-10
TEEN	2.3E-08	4.1E-09	2.9E-08	5.1E-08	2.1E-08	6.9E-07	8.8E-08	8.2E-10
CHILD	1.1E-08	2.0E-09	3.9E-08	4.7E-08	1.9E-08	7.7E-07	7.2E-08	7.3E-10
INFNT	4.4E-09	8.5E-10	2.4E-08	3.4E-08	1.2E-08	7.0E-07	4.6E-08	4.2E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 4 1 1 THRU 84 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	1.0E-06	2.8E-06
TEEN	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	1.0E-06	2.8E-06
CHILD	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	1.0E-06	2.8E-06
INFNT	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	9.6E-07	1.0E-06	2.8E-06
GROUND PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.4E-06
TEEN	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.4E-06
CHILD	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.4E-06
INFNT	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.4E-06
VEGET PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	1.2E-06	1.5E-07	8.7E-07	1.6E-06	5.3E-07	3.1E-06	1.7E-07	7.1E-10
TEEN	1.0E-06	1.5E-07	1.3E-06	2.4E-06	8.0E-07	2.6E-06	3.0E-07	8.1E-10
CHILD	7.6E-07	1.0E-07	3.1E-06	3.9E-06	1.3E-06	3.9E-06	4.4E-07	1.3E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E								
ADULT	1.2E-08	4.0E-09	8.4E-09	1.6E-08	5.3E-09	3.6E-08	1.7E-09	1.3E-11
TEEN	5.5E-09	2.1E-09	6.9E-09	1.2E-08	4.1E-09	2.6E-08	1.5E-09	8.0E-12
CHILD	3.4E-09	1.1E-09	1.2E-08	1.6E-08	5.1E-09	3.9E-08	1.8E-09	9.7E-12
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	7.5E-08	3.0E-09	5.5E-08	1.0E-07	3.6E-08	7.4E-07	1.1E-08	2.5E-11
TEEN	7.3E-08	3.8E-09	9.8E-08	1.7E-07	6.3E-08	1.2E-06	2.1E-08	3.3E-11
CHILD	5.6E-08	2.8E-09	2.3E-07	2.9E-07	1.0E-07	2.3E-06	3.2E-08	5.2E-11
INFNT	5.5E-08	2.6E-09	3.7E-07	5.5E-07	1.6E-07	5.6E-06	5.7E-08	7.8E-11
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD E								
ADULT	2.2E-07	6.2E-09	1.6E-07	3.0E-07	1.0E-07	8.9E-07	3.2E-08	5.1E-11
TEEN	2.2E-07	7.8E-09	2.9E-07	5.2E-07	1.8E-07	1.4E-06	6.4E-08	6.7E-11
CHILD	1.6E-07	5.8E-09	6.8E-07	8.6E-07	2.8E-07	2.6E-06	9.6E-08	1.0E-10
INFNT	1.5E-07	5.6E-09	1.1E-06	1.6E-06	4.4E-07	6.8E-06	1.7E-07	1.6E-10
INHAL PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	1.8E-08	2.6E-09	1.3E-08	2.3E-08	9.7E-09	3.5E-07	3.8E-08	3.9E-10
TEEN	1.4E-08	2.5E-09	1.8E-08	3.1E-08	1.3E-08	4.3E-07	5.5E-08	4.0E-10
CHILD	6.5E-09	1.2E-09	2.4E-08	2.9E-08	1.2E-08	4.8E-07	4.5E-08	3.5E-10
INFNT	2.6E-09	4.7E-10	1.5E-08	2.1E-08	7.0E-09	4.4E-07	2.9E-08	2.0E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 4 1 1 THRU 84 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	6.0E-07	1.6E-06
TEEN	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	6.0E-07	1.6E-06
CHILD	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	6.0E-07	1.6E-06
INFNT	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	5.7E-07	6.0E-07	1.6E-06
GROUND PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.4E-06
TEEN	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.4E-06
CHILD	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.4E-06
INFNT	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.2E-06	1.4E-06
VEGET PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	7.0E-07	8.4E-08	5.1E-07	9.3E-07	3.1E-07	1.7E-06	1.0E-07	4.2E-10
TEEN	5.9E-07	8.7E-08	7.9E-07	1.4E-06	4.7E-07	1.4E-06	1.8E-07	4.8E-10
CHILD	4.4E-07	5.8E-08	1.8E-06	2.3E-06	7.3E-07	2.1E-06	2.6E-07	7.4E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE								
ADULT	3.8E-08	1.2E-08	2.7E-08	4.9E-08	1.7E-08	1.1E-07	5.3E-09	3.2E-11
TEEN	1.7E-08	6.7E-09	2.2E-08	3.9E-08	1.3E-08	7.7E-08	4.9E-09	1.9E-11
CHILD	1.1E-08	3.4E-09	3.9E-08	5.0E-08	1.6E-08	1.2E-07	5.6E-09	2.3E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE								
ADULT	4.1E-08	1.6E-09	3.0E-08	5.4E-08	1.9E-08	3.8E-07	5.8E-09	1.4E-11
TEEN	4.0E-08	2.0E-09	5.3E-08	9.4E-08	3.4E-08	6.0E-07	1.2E-08	1.8E-11
CHILD	3.0E-08	1.5E-09	1.3E-07	1.6E-07	5.4E-08	1.2E-06	1.7E-08	2.9E-11
INFNT	2.9E-08	1.4E-09	2.0E-07	3.0E-07	8.6E-08	2.9E-06	3.1E-08	4.3E-11
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD ESE								
ADULT	1.2E-07	3.3E-09	8.8E-08	1.6E-07	5.5E-08	4.5E-07	1.7E-08	2.8E-11
TEEN	1.2E-07	4.2E-09	1.6E-07	2.8E-07	9.5E-08	7.2E-07	3.5E-08	3.7E-11
CHILD	8.7E-08	3.1E-09	3.7E-07	4.6E-07	1.5E-07	1.4E-06	5.2E-08	6.8E-11
INFNT	8.0E-08	3.0E-09	5.9E-07	8.7E-07	2.4E-07	3.4E-06	9.2E-08	8.9E-11
INHAL PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	9.5E-09	1.5E-09	6.7E-09	1.2E-08	5.1E-09	1.9E-07	2.2E-08	2.3E-10
TEEN	7.3E-09	1.4E-09	9.3E-09	1.6E-08	6.8E-09	2.4E-07	3.2E-08	8.3E-10
CHILD	3.4E-09	6.6E-10	1.2E-08	1.5E-08	6.2E-09	2.6E-07	2.6E-08	8.1E-10
INFNT	1.4E-09	2.7E-10	7.6E-09	1.1E-08	3.7E-09	2.4E-07	1.7E-08	1.2E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 4 1 1 THRU 84 83024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.2E-06
TEEN	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.2E-06
CHILD	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.2E-06
INFNT	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.5E-06	1.6E-06	4.2E-06
GROUND PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.6E-06
TEEN	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.6E-06
CHILD	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.6E-06
INFNT	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.6E-06
VEGET PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	1.8E-06	8.1E-07	1.3E-06	2.3E-06	7.9E-07	4.3E-06	2.5E-07	1.3E-09
TEEN	1.5E-06	2.2E-07	8.0E-06	3.5E-06	1.2E-06	3.5E-06	4.5E-07	1.5E-09
CHILD	1.1E-06	1.5E-07	4.6E-06	5.8E-06	1.8E-06	5.3E-08	6.6E-07	2.4E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE								
ADULT	1.4E-08	4.7E-09	1.0E-08	1.9E-08	6.3E-09	4.0E-08	2.0E-09	1.9E-11
TEEN	6.5E-09	2.5E-09	6.3E-09	1.5E-08	5.0E-09	2.9E-08	1.9E-09	1.1E-11
CHILD	4.1E-09	1.3E-09	1.5E-08	1.9E-08	6.1E-09	4.4E-08	2.1E-09	1.4E-11
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 6840. METERS, WINDS TOWARD SE								
ADULT	5.2E-08	2.1E-09	3.8E-08	6.9E-08	2.5E-08	4.8E-07	7.5E-09	2.4E-11
TEEN	5.1E-08	2.6E-09	6.8E-08	1.2E-07	4.3E-08	7.5E-07	1.5E-08	3.1E-11
CHILD	3.9E-08	1.9E-09	1.6E-07	2.0E-07	6.9E-08	1.5E-06	2.2E-08	4.9E-11
INFNT	3.7E-08	1.8E-09	2.6E-07	3.8E-07	1.1E-07	3.6E-06	3.9E-08	7.5E-11
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SE								
ADULT	1.2E-07	3.2E-09	8.5E-08	1.5E-07	5.3E-08	4.3E-07	1.7E-08	4.0E-11
TEEN	1.1E-07	4.1E-09	1.5E-07	2.7E-07	9.1E-08	6.8E-07	3.4E-08	5.2E-11
CHILD	8.4E-08	3.0E-09	3.6E-07	4.5E-07	1.5E-07	1.3E-06	5.0E-08	8.2E-11
INFNT	7.7E-08	2.9E-09	5.7E-07	8.4E-07	2.3E-07	3.3E-06	8.9E-08	1.3E-10
INHAL PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	3.9E-08	5.2E-09	8.8E-08	5.0E-08	2.1E-08	7.2E-07	7.6E-08	7.4E-10
TEEN	3.0E-08	4.9E-09	3.8E-08	6.7E-08	2.7E-08	8.8E-07	1.1E-07	7.5E-10
CHILD	1.4E-08	2.3E-09	5.1E-08	6.2E-08	2.5E-08	9.8E-07	9.0E-08	6.6E-10
INFNT	5.5E-09	9.3E-10	3.2E-08	4.5E-08	1.5E-08	9.0E-07	5.8E-08	3.8E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 4 1 1 THRU 84 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	7.6E-07	7.6E-07	7.8E-07	7.6E-07	7.6E-07	7.6E-07	8.0E-07	2.1E-06
TEEN	7.6E-07	7.6E-07	7.8E-07	7.6E-07	7.6E-07	7.6E-07	8.0E-07	2.1E-06
CHILD	7.6E-07	7.6E-07	7.8E-07	7.6E-07	7.6E-07	7.6E-07	8.0E-07	2.1E-06
INFNT	7.6E-07	7.6E-07	7.8E-07	7.6E-07	7.6E-07	7.6E-07	8.0E-07	2.1E-06
GROUND PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.3E-06
TEEN	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.3E-06
CHILD	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.3E-06
INFNT	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.3E-06
VEGET PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	9.5E-07	1.7E-07	7.0E-07	1.3E-06	4.3E-07	3.4E-06	1.4E-07	4.4E-10
TEEN	8.1E-07	1.7E-07	1.1E-06	1.9E-06	8.4E-07	2.8E-06	2.4E-07	5.0E-10
CHILD	6.2E-07	1.1E-07	2.5E-06	3.1E-06	1.0E-06	4.3E-06	3.5E-07	7.8E-10
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 7425. METERS, WINDS TOWARD SSE								
ADULT	4.0E-09	2.0E-09	2.8E-09	5.1E-09	1.7E-09	1.6E-08	5.5E-10	3.6E-12
TEEN	1.8E-09	1.1E-09	2.3E-09	4.1E-09	1.4E-09	1.2E-08	5.0E-10	2.1E-12
CHILD	1.2E-09	5.4E-10	4.1E-09	5.2E-09	1.7E-09	1.7E-08	5.8E-10	2.6E-12
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 6840. METERS, WINDS TOWARD SSE								
ADULT	3.8E-08	1.8E-09	2.8E-08	5.1E-08	1.9E-08	5.1E-07	5.4E-09	9.4E-12
TEEN	3.7E-08	2.2E-09	5.0E-08	8.8E-08	3.3E-08	8.1E-07	1.1E-08	1.2E-11
CHILD	2.9E-08	1.6E-09	1.2E-07	1.5E-07	5.3E-08	1.6E-06	1.6E-08	1.9E-11
INFNT	2.9E-08	1.6E-09	1.9E-07	2.8E-07	8.4E-08	3.9E-06	2.9E-08	2.9E-11
GOAT PATHWAY, DIST GP= 1, 8645. METERS, WINDS TOWARD SSE								
ADULT	8.4E-08	2.5E-09	6.2E-08	1.1E-07	3.9E-08	4.6E-07	1.2E-08	1.5E-11
TEEN	8.2E-08	3.1E-09	1.1E-07	2.0E-07	8.7E-08	7.3E-07	2.4E-08	2.0E-11
CHILD	6.1E-08	2.3E-09	2.6E-07	3.3E-07	1.1E-07	1.4E-06	3.7E-08	3.1E-11
INFNT	5.8E-08	2.2E-09	4.2E-07	6.2E-07	1.7E-07	3.5E-06	6.5E-08	4.8E-11
INHAL PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	7.6E-09	1.5E-09	5.4E-09	9.6E-09	4.3E-09	1.9E-07	2.3E-08	2.4E-10
TEEN	5.9E-09	1.5E-09	7.5E-09	1.3E-08	5.7E-09	2.3E-07	3.3E-08	2.5E-10
CHILD	2.9E-09	6.8E-10	9.9E-09	1.2E-08	5.2E-09	2.6E-07	2.7E-08	2.2E-10
INFNT	1.2E-09	2.8E-10	6.2E-09	8.7E-09	3.1E-09	2.3E-07	1.7E-08	1.2E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 4 1 1 THRU 84 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.5E-06	3.9E-06
TEEN	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.5E-06	3.9E-06
CHILD	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.5E-06	3.9E-06
INFNT	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.5E-06	3.9E-06
GROUND PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.5E-06
TEEN	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.5E-06
CHILD	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.5E-06
INFNT	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.5E-06
VEGET PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	1.6E-06	2.2E-07	1.2E-06	2.1E-06	7.1E-07	4.7E-06	2.3E-07	1.0E-09
TEEN	1.4E-06	2.3E-07	1.8E-06	3.2E-06	1.1E-06	3.9E-06	4.0E-07	1.2E-09
CHILD	1.0E-06	1.5E-07	4.2E-06	5.2E-06	1.7E-06	5.9E-06	5.9E-07	1.8E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S								
ADULT	6.3E-09	2.4E-09	4.4E-09	8.1E-09	2.7E-09	2.1E-08	8.8E-10	7.9E-12
TEEN	2.9E-09	1.3E-09	3.6E-09	6.5E-09	2.2E-09	1.5E-08	8.0E-10	4.7E-12
CHILD	1.8E-09	6.6E-10	6.5E-09	8.2E-09	2.7E-09	2.3E-08	9.2E-10	5.7E-12
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	3.2E-08	1.4E-09	2.4E-08	4.3E-08	1.6E-08	3.6E-07	4.6E-09	1.3E-11
TEEN	3.1E-08	1.7E-09	4.2E-08	7.5E-08	2.7E-08	5.6E-07	9.2E-09	1.7E-11
CHILD	2.4E-08	1.3E-09	9.9E-08	1.2E-07	4.4E-08	1.1E-06	1.4E-08	2.7E-11
INFNT	2.4E-08	1.2E-09	1.6E-07	2.4E-07	6.9E-08	2.7E-06	2.4E-08	4.0E-11
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD S								
ADULT	9.5E-08	2.7E-09	6.9E-08	1.3E-07	4.4E-08	4.3E-07	1.4E-08	2.6E-11
TEEN	9.2E-08	3.4E-09	1.2E-07	2.2E-07	7.5E-08	6.8E-07	2.7E-08	3.4E-11
CHILD	6.9E-08	2.5E-09	2.9E-07	3.7E-07	1.2E-07	1.3E-06	4.1E-08	5.4E-11
INFNT	6.4E-08	2.4E-09	4.7E-07	6.9E-07	1.9E-07	3.3E-06	7.3E-08	8.2E-11
INHAL PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	2.6E-08	3.9E-09	1.9E-08	3.3E-08	1.4E-08	5.2E-07	5.7E-08	5.6E-10
TEEN	2.0E-08	3.7E-09	2.6E-08	4.5E-08	1.9E-08	6.4E-07	8.3E-08	5.6E-10
CHILD	9.4E-09	1.7E-09	3.4E-08	4.1E-08	1.7E-08	7.1E-07	6.8E-08	5.0E-10
INFNT	3.8E-09	6.9E-10	2.1E-08	3.0E-08	1.0E-08	8.5E-07	4.3E-08	2.9E-10

ENTER [C] TO CONTINUE

THIS IS LAST ACCUMULATION
INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 84 4 1 1 THRU 84 83024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.3E-06	8.8E-06
TEEN	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.3E-06	8.8E-06
CHILD	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.3E-06	8.8E-06
INFNT	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.1E-06	3.3E-06	8.8E-06
GROUND PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	8.6E-06
TEEN	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	8.6E-06
CHILD	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	8.6E-06
INFNT	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	8.6E-06
VEGET PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	3.4E-06	6.2E-07	2.5E-06	4.5E-06	1.5E-06	1.3E-05	4.9E-07	1.5E-09
TEEN	2.9E-06	6.4E-07	3.9E-06	6.9E-06	2.3E-06	1.1E-05	8.6E-07	1.7E-09
CHILD	2.2E-06	4.2E-07	9.0E-06	1.1E-05	3.6E-06	1.6E-05	1.3E-06	2.6E-09
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
MEAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	7.0E-09	3.6E-09	4.8E-09	9.0E-09	3.0E-09	2.9E-08	9.6E-10	6.1E-12
TEEN	3.2E-09	1.9E-09	3.9E-09	7.1E-09	2.4E-09	2.1E-08	8.7E-10	3.7E-12
CHILD	2.1E-09	9.8E-10	7.1E-09	9.0E-09	2.9E-09	3.2E-08	1.0E-09	4.4E-12
INFNT	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00	0.0E 00
COW PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	5.7E-08	2.8E-09	4.3E-08	7.7E-08	2.9E-08	8.1E-07	8.1E-09	1.4E-11
TEEN	5.6E-08	3.5E-09	7.6E-08	1.3E-07	5.0E-08	1.3E-06	1.6E-08	1.9E-11
CHILD	4.4E-08	2.5E-09	1.8E-07	2.2E-07	8.0E-08	2.5E-06	2.4E-08	3.0E-11
INFNT	4.4E-08	2.4E-09	2.9E-07	4.2E-07	1.3E-07	6.1E-06	4.3E-08	4.5E-11
GOAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	1.7E-07	5.0E-09	1.2E-07	2.3E-07	7.8E-08	9.7E-07	2.4E-08	2.9E-11
TEEN	1.6E-07	6.3E-09	2.2E-07	3.9E-07	1.4E-07	1.5E-06	4.9E-08	3.8E-11
CHILD	1.2E-07	4.7E-09	5.2E-07	6.5E-07	2.2E-07	3.0E-06	7.3E-08	6.0E-11
INFNT	1.2E-07	4.5E-09	8.4E-07	1.2E-06	3.4E-07	7.4E-06	1.3E-07	9.2E-11
INHAL PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.5E-08	5.6E-09	1.1E-08	1.9E-08	9.9E-09	8.4E-07	8.8E-08	8.3E-10
TEEN	1.2E-08	5.4E-09	1.5E-08	2.5E-08	1.3E-08	8.0E-07	1.3E-07	8.3E-10
CHILD	6.4E-09	2.5E-09	2.0E-08	2.4E-08	1.2E-08	9.0E-07	1.0E-07	7.4E-10
INFNT	3.0E-09	1.0E-09	1.2E-08	1.7E-08	7.4E-09	8.2E-07	6.7E-08	4.2E-10

ENTER [C] TO CONTINUE

APPENDIX 2.1

SUMMARY OF HOURLY METEOROLOGICAL DATA
FOR FIRST QUARTER OF 1984

Attachment 7A
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	8	0	0	0	8
NNE	0	0	1	0	0	0	1
NE	0	0	2	0	0	0	2
ENE	0	2	2	1	0	0	5
E	0	1	3	0	0	0	4
ESE	0	9	3	0	0	0	12
SE	1	9	8	6	0	0	24
SSE	2	13	5	0	0	0	20
S	2	25	12	0	0	0	39
SSW	2	19	9	0	0	0	31
SW	0	3	8	1	0	0	12
WSW	1	1	7	10	3	0	22
W	0	4	7	1	2	2	16
WNW	1	4	4	8	1	0	18
NW	2	6	6	6	3	1	24
NNW	0	3	11	4	2	0	20
TOTAL	11	99	96	37	11	3	258

PERIODS OF CALM(HOURS): 7
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 18

Attachment 7A
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	3	0	0	0	5
NNE	0	1	5	3	0	0	9
NE	0	1	1	0	0	0	2
ENE	0	0	0	4	0	0	4
E	1	1	1	1	0	0	4
ESE	0	1	5	4	0	0	10
SE	0	9	4	5	0	0	18
SSE	0	1	2	0	0	0	3
S	1	2	1	0	0	0	4
SSW	0	2	3	0	0	0	5
SW	1	0	3	0	0	0	4
WSW	0	1	4	7	1	0	13
W	0	0	5	2	6	0	13
WNW	0	1	3	15	5	2	26
NW	0	2	1	2	5	3	13
NNW	0	5	1	1	2	0	9
TOTAL	3	29	42	44	19	5	142

PERIODS OF CALM(HOURS): 7
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 18

Attachment 7A
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	0	2	1	0	4
NNE	0	2	4	2	0	0	8
NE	0	0	0	0	0	0	0
ENE	0	4	4	4	3	0	15
E	1	6	2	2	0	0	11
ESE	0	2	4	12	2	0	20
SE	1	3	3	0	0	0	7
SSE	0	0	0	2	0	0	2
S	1	0	6	0	0	0	7
SSW	0	1	0	0	0	0	1
SW	0	0	2	2	0	0	4
WSW	0	1	5	3	0	0	9
W	0	0	6	6	0	0	12
WNW	0	1	0	11	5	0	17
NW	2	0	6	15	5	2	30
NNW	0	2	0	2	3	2	9
TOTAL	5	23	42	63	19	4	156

PERIODS OF CALM(HOURS): 7
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 18

Attachment 7A
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	13	15	7	7	0	47
NNE	1	3	25	24	12	2	67
NE	2	13	17	21	7	0	60
ENE	0	17	14	15	0	0	47
E	1	17	41	23	2	0	85
ESE	7	24	47	54	12	0	144
SE	2	18	22	25	3	0	70
SSE	3	18	16	3	0	0	40
S	2	15	10	1	0	0	28
SSW	3	12	11	1	0	0	27
SW	2	17	41	4	0	0	64
WSW	0	12	33	35	6	0	86
W	0	8	21	35	15	1	80
WNW	2	9	23	23	7	5	69
NW	0	12	28	20	22	2	84
NNW	2	7	12	30	17	0	68
TOTAL	31	215	376	321	110	10	1066

PERIODS OF CALM(HOURS): 7
VARIABLE DIRECTION 11
HOURS OF MISSING DATA: 18

Attachment 7A
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	1
NNE	1	0	2	0	0	0	4
NE	2	1	1	1	0	0	5
ENE	2	6	2	0	0	0	10
E	1	15	9	0	0	0	25
ESE	1	12	3	4	0	0	20
SE	4	25	18	19	0	0	66
SSE	1	18	5	4	0	0	28
S	3	15	3	0	0	0	21
SSW	4	27	20	0	0	0	51
SW	1	7	32	4	0	0	44
WSW	1	9	34	25	2	0	71
W	1	1	1	5	1	0	9
WNW	0	8	6	5	0	0	19
NW	1	3	5	4	2	0	15
NNW	0	3	2	4	0	0	9
TOTAL	23	150	143	75	5	0	398

PERIODS OF CALM(HOURS): 7
VARIABLE DIRECTION 5
HOURS OF MISSING DATA: 18

Attachment 7A
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	9	0	0	0	9
ESE	1	5	1	0	0	0	7
SE	0	5	6	0	0	0	11
SSE	3	17	9	0	0	0	29
S	1	14	1	0	0	0	16
SSW	0	9	3	0	0	0	12
SW	0	0	0	0	0	0	0
WSW	0	2	4	1	0	0	7
W	0	0	2	0	0	0	3
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	5	52	35	1	0	0	94

PERIODS OF CALM(HOURS): 7
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 18

Attachment 7A
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	2	0	0	0	2
SE	0	13	4	0	0	0	17
SSE	0	15	1	0	0	0	16
S	0	7	0	0	0	0	7
SSW	0	2	2	0	0	0	4
SW	0	0	1	0	0	0	1
WSW	0	0	3	0	0	0	3
W	0	0	0	1	0	0	1
WNW	0	0	0	1	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	0	37	13	2	0	0	52

PERIODS OF CALM(HOURS): 7
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 18

Attachment 7A
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	16	26	9	8	0	65
NNE	2	6	37	29	12	2	89
NE	4	15	21	22	7	0	69
ENE	2	29	22	24	3	0	81
E	4	40	65	26	2	0	138
ESE	9	53	65	74	14	0	215
SE	8	82	65	55	3	0	213
SSE	9	82	38	9	0	0	138
S	10	78	33	1	0	0	122
SSW	9	72	48	1	0	0	131
SW	4	27	87	11	0	0	129
WSW	2	26	90	81	12	0	211
W	1	13	42	50	24	3	134
WNW	3	23	36	63	18	7	150
NW	5	23	46	47	37	8	166
NNW	2	20	26	41	24	2	115
TOTAL	78	605	747	543	164	22	2166

PERIODS OF CALM(HOURS): 7
VARIABLE DIRECTION 18
HOURS OF MISSING DATA: 18

Attachment 10A
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	2	8	4	0	15
NNE	0	0	0	2	0	0	2
NE	0	0	0	0	0	0	0
ENE	1	1	1	1	1	0	5
E	0	1	3	0	0	0	4
ESE	0	3	6	1	2	0	12
SE	0	4	8	2	5	0	19
SSE	0	2	11	4	0	0	17
S	0	11	21	7	3	0	42
SSW	1	5	23	8	0	0	37
SW	0	0	7	5	1	0	13
WSW	0	0	2	4	8	3	17
W	2	2	5	6	2	2	19
WNW	0	3	1	4	2	0	10
NW	1	2	3	9	6	2	23
NNW	0	5	3	8	4	1	21
TOTAL	5	40	96	69	38	8	256

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 20

Attachment 10A
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	3	1	9	1	0	14
NNE	0	0	1	2	1	0	4
NE	0	0	0	1	0	0	1
ENE	0	0	0	2	1	0	3
E	1	1	2	0	0	0	4
ESE	0	0	7	2	5	0	14
SE	1	1	5	4	2	0	13
SSE	0	2	1	1	1	0	5
S	0	0	1	0	0	0	1
SSW	0	1	2	4	1	0	8
SW	0	0	3	0	0	0	3
WSW	0	0	2	5	2	4	13
W	0	0	1	4	5	3	13
WNW	1	0	0	9	7	1	18
NW	0	1	0	6	3	5	15
NNW	0	5	1	2	0	6	14
TOTAL	3	14	27	51	29	19	143

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 20

Attachment 10A
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	2	2	6	3	14
NNE	0	0	1	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	0	4	3	3	5	0	15
E	1	5	2	1	1	0	10
ESE	0	2	2	7	6	2	19
SE	0	3	3	2	0	0	8
SSE	0	0	0	0	1	0	1
S	0	1	0	4	2	0	7
SSW	0	0	1	0	1	0	2
SW	0	0	1	3	0	0	4
WSW	0	0	3	4	1	0	8
W	0	0	2	9	3	0	14
WNW	0	0	0	6	3	1	10
NW	0	1	1	4	11	3	20
NNW	2	0	1	2	9	8	22
TOTAL	3	17	22	47	49	17	155

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 20

Attachment 10A
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5	5	13	25	15	28	91
NNE	3	4	15	22	17	6	67
NE	1	5	11	16	11	5	50
ENE	0	14	15	12	4	0	45
E	1	10	24	33	12	1	81
ESE	5	10	31	51	18	4	119
SE	0	5	21	22	24	3	75
SSE	0	4	13	11	9	1	38
S	0	9	11	10	6	0	36
SSW	0	8	19	11	5	0	43
SW	0	7	24	30	1	1	63
WSW	1	4	11	30	26	10	82
W	0	3	11	22	16	12	64
WNW	1	2	11	29	7	5	55
NW	1	4	17	29	12	24	87
NNW	0	6	8	19	22	15	70
TOTAL	18	100	255	372	205	115	1066

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 8
HOURS OF MISSING DATA: 20

Attachment 10A
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	3	0	2	0	6
NNE	1	1	4	0	0	0	6
NE	0	1	0	0	1	0	3
ENE	3	3	8	0	0	0	14
E	0	5	15	5	0	0	25
ESE	1	2	6	0	0	0	9
SE	0	4	14	8	10	2	38
SSE	2	6	9	10	13	3	43
S	1	2	10	12	3	0	28
SSW	0	1	18	30	2	0	51
SW	1	1	11	27	5	0	45
WSW	1	3	9	21	19	7	60
W	1	1	7	7	7	1	24
WNW	0	5	1	2	2	0	10
NW	1	2	11	1	3	3	21
NNW	2	1	8	0	1	3	15
TOTAL	15	38	134	123	68	19	398

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 20

Attachment 10A
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	1	0	0	1
E	0	1	3	5	0	0	9
ESE	0	1	1	1	0	0	3
SE	1	2	6	1	0	0	10
SSE	0	2	2	5	2	0	11
S	1	0	9	18	1	0	29
SSW	0	1	3	13	0	0	17
SW	0	0	0	3	0	0	3
WSW	0	1	0	1	2	0	4
W	0	1	1	2	0	0	4
WNW	1	0	1	0	0	0	2
NW	1	0	0	0	0	0	1
NNW	0	0	0	0	0	0	0
TOTAL	4	9	26	50	5	0	94

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 20

Attachment 10A
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	1	0	0	1
SE	0	0	0	1	0	0	1
SSE	0	0	11	4	0	0	15
S	0	[illegible]	8	9	0	0	17
SSW	0	[illegible]	2	3	0	0	5
SW	0	0	0	6	0	0	6
WSW	0	0	1	1	0	0	2
W	0	0	0	0	4	0	4
WNW	0	0	0	0	1	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	0	0	22	25	5	0	52

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 20

Attachment 10A
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
First Quarter (1/1/84 - 3/31/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84010101-84033124
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	6	10	21	44	28	31	140
NNE	4	5	21	26	18	6	80
NE	1	6	11	17	12	5	54
ENE	4	22	27	19	11	0	83
E	3	23	49	44	13	1	133
ESE	6	18	53	63	31	6	177
SE	2	19	57	40	41	5	164
SSE	2	16	47	35	26	4	130
S	2	23	60	60	15	0	160
SSW	1	16	68	69	9	0	163
SW	1	8	46	74	7	1	137
WSW	2	8	28	66	58	24	186
W	3	7	27	50	37	18	142
WNW	3	10	14	50	22	7	106
NW	4	10	32	49	35	37	167
NNW	4	17	21	31	36	33	142
TOTAL	48	218	582	737	399	178	2164

PERIODS OF CALM(HOURS): 2
VARIABLE DIRECTION 10
HOURS OF MISSING DATA: 20

APPENDIX 2.2

SUMMARY OF HOURLY METEOROLOGICAL DATA
FOR SECOND QUARTER OF 1984

Attachment 7B
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	6	18	12	0	0	0	36
NNE	4	13	19	2	0	0	38
NE	1	11	5	1	0	0	18
ENE	0	7	1	0	0	0	8
E	1	3	3	4	0	0	11
ESE	1	6	8	10	4	0	29
SE	0	9	14	2	0	0	25
SSE	2	9	11	1	0	0	23
S	1	11	3	0	0	0	15
SSW	0	14	12	2	0	0	28
SW	0	4	6	0	0	0	10
WSW	0	9	21	0	1	0	31
W	3	16	20	11	1	0	51
WNW	4	13	11	5	0	0	33
NW	3	24	5	2	0	0	34
NNW	6	30	10	4	0	0	50
TOTAL	32	197	161	44	6	0	440

PERIODS OF CALM(HOURS): 3
VARIABLE DIRECTION 12
HOURS OF MISSING DATA: 25

Attachment 7B
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

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

PERIODS OF CALM(HOURS): 3
VARIABLE DIRECTION 1
HOURS OF MISSING DATA: 25

Attachment 7B
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	1	0	0	0	3
NNE	0	5	2	0	0	0	7
NE	0	0	2	0	0	0	2
ENE	0	0	3	1	0	0	4
E	0	1	2	3	0	0	6
ESE	0	1	7	11	4	0	23
SE	0	2	3	2	0	0	7
SSE	0	1	1	0	0	0	2
S	0	0	0	0	0	0	0
SSW	0	1	0	0	0	0	1
SW	0	1	4	0	0	0	5
WSW	0	5	1	0	0	0	6
W	0	0	1	1	0	2	4
WNW	0	1	0	0	0	0	1
NW	0	0	0	1	0	0	1
NNW	0	0	3	4	3	0	10
TOTAL	0	20	30	23	7	2	82

PERIODS OF CALM(HOURS): 3
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 25

Attachment 7B
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	10	13	4	0	0	27
NNE	4	8	49	31	1	0	93
NE	1	5	11	8	0	0	25
ENE	0	4	13	5	1	0	23
E	1	4	7	23	2	0	37
ESE	0	5	25	53	18	4	105
SE	1	8	28	11	0	0	48
SSE	1	2	2	0	0	0	5
S	0	4	5	0	0	0	9
SSW	3	4	5	0	0	0	12
SW	1	8	21	5	3	0	38
WSW	5	25	23	9	4	6	72
W	2	13	17	9	8	4	53
WNW	1	9	4	6	4	0	25
NW	2	1	3	4	0	0	10
NNW	0	2	8	13	10	0	33
TOTAL	22	112	234	181	51	14	615

PERIODS OF CALM(HOURS): 3
VARIABLE DIRECTION 5
HOURS OF MISSING DATA: 25

Attachment 7B
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	9	3	0	0	0	15
NNE	3	16	27	10	0	0	56
NE	5	11	23	4	0	0	43
ENE	3	8	5	1	0	0	17
E	4	4	8	4	0	0	20
ESE	6	12	19	17	2	2	58
SE	1	24	34	6	2	0	67
SSE	0	14	10	1	2	0	27
S	1	21	11	0	0	0	33
SSW	2	21	17	3	1	0	44
SW	2	14	40	11	1	0	68
WSW	3	27	43	26	1	0	101
W	2	19	10	3	2	0	36
WNW	1	8	7	1	0	0	17
NW	4	4	1	4	0	0	13
NNW	3	4	3	0	0	0	10
TOTAL	43	216	261	91	11	2	625

PERIODS OF CALM(HOURS): 3
VARIABLE DIRECTION 18
HOURS OF MISSING DATA: 25

Attachment 7B
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	1	0	0	0	0	3
NNE	0	4	2	0	0	0	6
NE	1	15	3	1	0	0	20
ENE	1	12	2	1	0	0	16
E	1	12	9	1	0	0	23
ESE	0	8	12	4	0	0	24
SE	0	14	4	0	0	0	18
SSE	0	6	1	0	0	0	7
S	0	12	1	0	0	0	13
SSW	0	9	2	0	0	0	11
SW	1	10	7	0	0	0	18
WSW	1	13	15	10	0	0	39
W	2	6	6	3	1	0	18
WNW	1	4	3	3	0	0	11
NW	2	5	0	0	0	0	7
NNW	1	2	0	0	0	0	3
TOTAL	13	133	67	23	1	0	237

PERIODS OF CALM(HOURS): 3
VARIABLE DIRECTION 4
HOURS OF MISSING DATA: 25

Attachment 7B
Joint Frequency Tables of Wind Speed and Wind Direction 50ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	0	0	0	0	1
NNE	0	1	0	0	0	0	1
NE	0	1	1	3	0	0	5
ENE	0	8	0	1	0	0	9
E	0	5	8	0	0	0	13
ESE	0	8	6	0	0	0	14
SE	0	8	2	0	0	0	10
SSE	0	7	0	0	0	0	7
S	1	4	2	0	0	0	7
SSW	0	3	7	0	0	0	10
SW	0	6	1	0	0	0	7
WSW	0	3	3	1	0	0	7
W	0	1	1	1	0	0	3
WNW	0	3	0	1	0	0	4
NW	1	3	0	1	0	0	6
NNW	0	0	0	0	0	0	0
TOTAL	3	61	31	8	0	0	104

PERIODS OF CALM(HOURS): 3
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 25

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	12	42	31	4	0	0	89
NNE	11	48	99	43	1	0	202
NE	8	44	45	17	0	0	114
ENE	4	40	24	9	1	0	78
E	7	31	37	39	2	0	116
ESE	7	40	79	98	31	6	261
SE	2	68	86	21	2	0	179
SSE	3	39	25	2	2	0	71
S	3	53	22	0	0	0	78
SSW	5	53	43	5	1	0	107
SW	4	44	83	18	4	0	153
WSW	9	84	114	46	6	6	266
W	9	57	56	29	12	8	171
WNW	7	39	25	16	5	0	93
NW	12	37	10	12	0	0	72
NNW	11	39	24	22	13	0	109
TOTAL	114	758	803	381	80	20	2159

PERIODS OF CALM(HOURS): 3
VARIABLE DIRECTION 40
HOURS OF MISSING DATA: 25

Attachment 10B
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: A DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	24	32	11	1	0	72
NNE	3	11	11	11	2	0	38
NE	1	3	3	0	0	0	7
ENE	0	7	3	0	0	0	10
E	1	0	3	2	1	0	7
ESE	1	4	10	5	6	2	28
SE	0	2	8	9	0	0	19
SSE	0	2	13	4	2	0	21
S	0	4	12	13	4	0	33
SSW	0	1	11	13	8	0	33
SW	0	0	4	4	0	0	8
WSW	0	3	10	5	1	0	19
W	1	10	19	6	6	2	44
WNW	2	10	7	8	2	0	29
NW	1	10	9	7	1	0	28
NNW	5	13	23	4	2	0	47
TOTAL	19	104	178	102	36	4	443

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 5
HOURS OF MISSING DATA: 38

Attachment 10B
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: B DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	2	2	1	0	5
NNE	0	1	0	0	0	0	1
NE	0	1	1	0	0	0	2
ENE	0	0	0	0	0	0	0
E	0	1	0	3	1	0	5
ESE	0	1	1	1	4	0	7
SE	0	0	3	1	0	0	4
SSE	0	0	2	0	0	0	2
S	0	0	1	0	0	0	1
SSW	0	0	2	1	0	0	3
SW	0	0	4	6	1	0	11
WSW	0	1	1	2	0	0	4
W	0	0	2	0	0	2	4
WNW	0	1	1	0	2	0	4
NW	0	0	0	0	0	0	0
NNW	1	1	1	0	0	0	3
TOTAL	1	7	21	16	9	2	56

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 38

Attachment 10B
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: C DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	4	2	4	2	12
NNE	0	0	5	0	0	0	5
NE	0	0	0	2	0	0	2
ENE	0	1	1	3	0	0	5
E	0	0	1	3	0	0	4
ESE	0	0	1	9	6	3	19
SE	0	0	6	3	1	0	10
SSE	0	0	2	1	0	0	3
S	0	0	0	0	1	0	1
SSW	0	1	0	1	0	0	2
SW	0	0	3	1	0	0	4
WSW	0	1	4	0	0	0	5
W	0	2	0	0	1	2	5
WNW	0	0	1	0	0	0	1
NW	0	0	0	0	1	0	1
NNW	0	0	1	0	1	1	3
TOTAL	0	5	29	25	15	8	82

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 38

Attachment 10B
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: D DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	7	16	25	16	5	71
NNE	0	1	15	41	12	1	70
NE	0	3	16	7	3	0	29
ENE	1	4	1	7	2	1	16
E	0	2	2	17	17	0	38
ESE	0	0	11	30	31	15	87
SE	1	2	7	33	9	0	52
SSE	0	1	2	8	0	0	11
S	0	2	3	5	1	0	11
SSW	0	3	7	9	4	3	26
SW	0	2	10	14	9	2	37
WSW	3	7	19	5	5	12	51
W	3	14	10	8	6	7	48
WNW	0	10	7	4	8	3	32
NW	0	4	3	2	1	0	10
NNW	0	2	1	1	8	8	20
TOTAL	10	64	130	216	132	57	609

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 38

Attachment 10B
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: E DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	5	11	5	0	0	22
NNE	4	5	21	35	1	0	66
NE	5	5	17	11	0	0	38
ENE	3	4	7	3	1	0	18
E	1	5	1	5	4	0	16
ESE	1	1	6	15	13	3	39
SE	3	3	12	28	6	4	56
SSE	1	1	13	15	4	2	36
S	0	2	18	21	5	3	49
SSW	1	3	12	41	6	3	66
SW	1	4	10	26	21	2	64
WSW	1	6	16	24	17	2	66
W	3	21	12	5	6	1	48
WNW	1	8	7	3	1	0	20
NW	2	3	1	2	3	0	11
NNW	0	5	2	1	0	1	9
TOTAL	28	81	166	240	88	21	624

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 13
HOURS OF MISSING DATA: 38

Attachment 10B
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: F DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	3	1	0	0	6
NNE	1	0	2	1	0	0	4
NE	0	4	17	3	0	0	24
ENE	1	4	9	2	0	0	16
E	0	1	7	4	2	0	14
ESE	1	1	1	9	3	0	15
SE	0	4	3	8	0	0	15
SSE	1	1	8	3	2	0	15
S	0	0	4	3	1	0	8
SSW	0	0	9	13	0	0	22
SW	1	3	6	6	0	0	16
WSW	1	0	4	9	8	1	23
W	1	7	7	5	7	0	27
WNW	1	5	4	4	0	1	15
NW	1	2	0	1	4	1	9
NNW	1	1	2	0	0	0	4
TOTAL	10	35	86	72	27	3	233

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 2
HOURS OF MISSING DATA: 38

Attachment 10B
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: G DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	1	0	0	0	1
NE	0	0	5	1	0	0	6
ENE	0	0	5	2	0	0	7
E	0	1	2	5	4	0	12
ESE	0	0	1	3	0	0	4
SE	0	0	3	1	0	0	4
SSE	0	0	3	5	0	0	8
S	0	1	2	8	3	0	14
SSW	1	1	5	4	0	0	11
SW	0	1	6	6	0	0	13
WSW	0	1	2	0	1	0	4
W	0	1	1	1	0	1	4
WNW	0	0	1	0	0	0	1
NW	1	2	2	0	0	2	7
NNW	1	1	1	0	0	0	3
TOTAL	3	9	40	36	8	3	99

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 0
HOURS OF MISSING DATA: 38

Attachment 10B
Joint Frequency Tables of Wind Speed and Wind Direction 150ft
versus Delta Temperature 180-30ft
Second Quarter (4/1/84 - 6/30/84)

SITE: AEP COOK

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 84040101-84063024
STABILITY CLASS: ALL DT/DZ
ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	7	38	68	46	22	7	188
NNE	8	18	55	88	15	1	185
NE	6	16	59	24	3	0	108
ENE	5	20	26	17	3	1	72
E	2	10	16	39	29	0	96
ESE	3	7	31	72	63	23	199
SE	4	11	42	83	16	4	160
SSE	2	5	43	36	8	2	96
S	0	9	40	50	15	3	117
SSW	2	9	46	82	18	6	163
SW	2	10	43	63	31	4	153
WSW	5	19	56	45	32	15	172
W	8	55	51	25	26	15	180
WNW	4	34	28	19	13	4	102
NW	5	21	15	12	10	3	66
NNW	8	23	31	6	11	10	89
TOTAL	71	305	650	707	315	98	2146

PERIODS OF CALM(HOURS): 0
VARIABLE DIRECTION 22
HOURS OF MISSING DATA: 38

APPENDIX 2.3

METEOROLOGICAL DATA
FOR FIRST SIX MONTHS OF 1984

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	26	0	0	2	101	0	0	2	0	2	0	2	185	0	0	0	0	2	0	0	180	0	0	0	0	2	0	0	0	2	0	0	0	2
200	20	0	0	2	100	0	0	2	0	2	0	2	175	0	0	0	0	2	0	0	180	0	0	0	0	2	0	0	0	2	0	0	0	2
300	18	0	0	2	116	0	0	2	0	2	0	2	163	0	0	0	0	2	0	0	188	0	0	0	0	2	0	0	0	2	0	0	0	2
400	22	0	0	2	125	0	0	2	0	2	0	2	155	0	0	0	0	2	0	0	193	0	0	0	0	2	0	0	0	2	0	0	0	2
500	20	0	0	2	133	0	0	2	0	2	0	2	175	0	0	0	0	2	0	0	189	0	0	0	0	2	0	0	0	2	0	0	0	2
600	29	0	0	2	142	0	0	2	0	2	0	2	150	0	0	0	0	2	0	0	181	0	0	0	0	2	0	0	0	2	0	0	0	2
700	36	0	0	2	148	0	0	2	0	2	0	2	160	0	0	0	0	2	0	0	190	0	0	0	0	2	0	0	0	2	0	0	0	2
800	38	0	0	2	143	0	0	2	0	2	0	2	159	0	0	0	0	2	0	0	188	0	0	0	0	2	0	0	0	2	0	0	0	2
900	36	0	0	2	150	0	0	2	0	2	0	2	165	0	0	0	0	2	0	0	202	0	0	0	0	2	0	0	0	2	0	0	0	2
1000	40	0	0	2	141	0	0	2	0	2	0	2	180	0	0	0	0	2	0	0	210	0	0	0	0	2	0	0	0	2	0	0	0	2
1100	36	0	0	2	123	0	0	2	0	2	0	2	190	0	0	0	0	2	0	0	213	0	0	0	0	2	0	0	0	2	0	0	0	2
1200	44	0	0	2	102	0	0	2	0	2	0	2	191	0	0	0	0	2	0	0	208	0	0	0	0	2	0	0	0	2	0	0	0	2
1300	48	0	0	2	95	0	0	2	0	2	0	2	210	0	0	0	0	2	0	0	195	0	0	0	0	2	0	0	0	2	0	0	0	2
1400	38	0	0	2	63	0	0	2	0	2	0	2	208	0	0	0	0	2	0	0	186	0	0	0	0	2	0	0	0	2	0	0	0	2
1500	41	0	0	2	66	0	0	2	0	2	0	2	205	0	0	0	0	2	0	0	206	0	0	0	0	2	0	0	0	2	0	0	0	2
1600	26	0	0	2	82	0	0	2	0	2	0	2	180	0	0	0	0	2	0	0	193	0	0	0	0	2	0	0	0	2	0	0	0	2
1700	22	0	0	2	86	0	0	2	0	2	0	2	220	0	0	0	0	2	0	0	190	0	0	0	0	2	0	0	0	2	0	0	0	2
1800	31	0	0	2	91	0	0	2	0	2	0	2	200	0	0	0	0	2	0	0	206	0	0	0	0	2	0	0	0	2	0	0	0	2
1900	36	0	0	2	124	0	0	2	0	2	0	2	185	0	0	0	0	2	0	0	210	0	0	0	0	2	0	0	0	2	0	0	0	2
2000	39	0	0	2	130	0	0	2	0	2	0	2	212	0	0	0	0	2	0	0	210	0	0	0	0	2	0	0	0	2	0	0	0	2
2100	58	0	0	2	121	0	0	2	0	2	0	2	216	0	0	0	0	2	0	0	229	0	0	0	0	2	0	0	0	2	0	0	0	2
2200	60	0	0	2	158	0	0	2	0	2	0	2	214	0	0	0	0	2	0	0	255	0	0	0	0	2	0	0	0	2	0	0	0	2
2300	71	0	0	2	175	0	0	2	0	2	0	2	245	0	0	0	0	2	0	0	258	0	0	0	0	2	0	0	0	2	0	0	0	2
2400	116	0	112	0	172	0	179	0	0	0	0	0	241	0	260	215	238	0	272	203	246	0	259	235	230	0	246	211	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 100A	S	AMB. TEM4 100B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 100A	S	D.T. 2 100B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	203	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	201	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	194	0	0	2	0	2	0	2	0	2	0	2	11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	190	0	0	2	0	2	0	2	0	2	0	2	14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	180	0	0	2	0	2	0	2	0	2	0	2	16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	167	0	0	2	0	2	0	2	0	2	0	2	21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	176	0	0	2	0	2	0	2	0	2	0	2	9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	180	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	194	0	0	2	0	2	0	2	0	2	002		-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	208	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	225	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	230	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	232	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	235	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	246	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	249	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	243	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	239	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	241	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	237	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	249	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	248	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	253	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	247	0	242	0	251	0	247	0	320	0	320	0	2	0	2	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
														50 B	S		150A	S			150B	S				S				S				
100	116	0	116	0	169	0	180	0	0	0	0	0	263	0	284	236	259	0	291	223	265	0	276	252	249	0	259	255	0	0	0	0	0	0
200	148	0	148	0	170	0	178	0	0	0	0	0	265	0	281	241	261	0	280	234	272	0	285	259	256	0	275	246	0	0	0	0	0	0
300	139	0	132	0	161	0	169	0	0	0	0	0	263	0	290	235	259	0	290	226	269	0	280	253	253	0	264	230	0	0	0	0	0	0
400	140	0	140	0	162	0	171	0	0	0	0	0	264	0	279	246	280	0	281	217	269	0	279	252	253	0	263	244	0	0	0	0	0	0
500	111	0	109	0	120	0	127	0	0	0	0	0	262	0	284	230	257	0	283	223	271	0	287	259	254	0	270	240	0	0	0	0	0	0
600	153	0	152	0	162	0	171	0	0	0	0	0	267	0	278	253	262	0	278	234	273	0	284	265	256	0	269	243	0	0	0	0	0	0
700	86	0	80	0	110	0	119	0	0	0	0	0	238	0	269	196	235	0	264	195	252	0	274	228	236	0	257	205	0	0	0	0	0	0
800	103	0	101	0	115	0	122	0	0	0	0	0	273	0	307	242	266	0	317	231	278	0	305	259	259	0	287	235	0	0	0	0	0	0
900	112	0	111	0	150	0	161	0	0	0	0	0	242	0	275	217	239	0	268	206	242	0	260	226	226	0	246	202	0	0	0	0	0	0
1000	135	0	136	0	150	0	158	0	0	0	0	0	268	0	288	245	265	0	310	235	276	0	301	254	257	0	278	224	0	0	0	0	0	0
1100	108	0	105	0	149	0	158	0	0	0	0	0	249	0	278	227	247	0	290	206	253	0	262	243	237	0	247	225	0	0	0	0	0	0
1200	131	0	128	0	159	0	169	0	0	0	0	0	247	0	270	225	244	0	279	213	250	0	267	236	233	0	247	216	0	0	0	0	0	0
1300	98	0	96	0	123	0	131	0	0	0	0	0	246	0	279	207	242	0	273	192	247	0	264	203	231	0	254	198	0	0	0	0	0	0
1400	111	0	103	0	117	0	127	0	0	0	0	0	294	0	313	264	288	0	345	244	297	0	323	258	277	0	291	244	0	0	0	0	0	0
1500	120	0	114	0	139	0	143	0	0	0	0	0	307	0	330	281	301	0	345	259	315	0	325	304	293	0	303	284	0	0	0	0	0	0
1600	116	0	111	0	141	0	145	0	0	0	0	0	305	0	325	288	298	0	325	273	314	0	324	308	292	0	300	285	0	0	0	0	0	0
1700	78	0	74	0	108	0	110	0	0	0	0	0	316	0	339	288	306	0	340	259	327	0	340	287	305	0	317	284	0	0	0	0	0	0
1800	99	0	95	0	122	0	125	0	0	0	0	0	308	0	329	289	300	0	326	264	317	0	329	305	295	0	306	284	0	0	0	0	0	0
1900	67	0	64	0	100	0	100	0	0	0	0	0	330	0	3	286	323	0	8	283	338	0	349	323	316	0	340	305	0	0	0	0	0	0
2000	78	0	73	0	104	0	105	0	0	0	0	0	325	0	354	299	317	0	353	292	334	0	347	314	313	0	330	294	0	0	0	0	0	0
2100	63	0	60	0	85	0	86	0	0	0	0	0	322	0	336	296	312	0	3[illegible]	281	332	0	338	325	310	0	317	303	0	0	0	0	0	0
2200	67	0	64	0	99	0	99	0	0	0	0	0	324	0	357	294	310	0	344	282	334	0	344	329	312	0	319	306	0	0	0	0	0	0
2300	38	0	33	0	41	0	43	0	0	0	0	0	307	0	318	283	299	0	316	264	314	0	325	301	292	0	306	282	0	0	0	0	0	0
2400	31	0	26	0	37	0	43	0	0	0	0	0	272	0	317	218	269	3	334	210	289	0	324	242	269	0	303	224	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	270	0	263	0	270	0	265	0	320	0	320	0	-5	0	-4	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	272	0	267	0	270	0	265	0	320	0	320	0	-9	0	-7	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	274	0	267	0	270	0	265	0	320	0	320	0	-9	0	-7	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	272	0	265	0	269	0	263	0	320	0	320	0	-9	0	-7	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	269	0	261	0	269	0	263	0	320	0	320	0	-7	0	-5	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	270	0	263	0	270	0	265	0	320	0	320	0	-9	0	-7	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	247	0	240	0	256	0	251	0	320	0	320	0	-4	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	281	0	274	0	283	0	279	0	320	0	320	0	-9	0	-7	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	258	0	251	0	261	0	258	0	320	0	320	0	-7	0	-5	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	287	0	279	0	288	0	285	0	320	0	320	0	-11	0	-7	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	274	0	269	0	279	0	276	0	320	0	320	0	-7	0	-5	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	269	0	261	0	272	0	267	0	320	0	320	0	-7	0	-5	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	270	0	263	0	272	0	269	0	320	0	320	0	-7	0	-5	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	290	0	283	0	292	0	288	0	320	0	320	0	-9	0	-7	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	294	0	287	0	290	0	287	0	320	0	320	0	-13	0	-11	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	297	0	292	0	294	0	290	0	320	0	320	0	-13	0	-11	0	0	0	0	0	36	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	299	0	294	0	297	0	292	0	320	0	320	0	-11	0	-9	0	0	0	0	0	36	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	301	0	294	0	297	0	294	0	320	0	320	0	-9	0	-7	0	0	0	0	0	36	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	301	0	296	0	299	0	296	0	320	0	320	0	-9	0	-7	0	0	0	0	0	457	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	303	0	296	0	301	0	297	0	320	0	320	0	-9	0	-7	0	0	0	0	0	36	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	305	0	297	0	303	0	299	0	320	0	320	0	-7	0	-5	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	306	0	299	0	306	0	301	0	320	0	320	0	-7	0	-5	0	0	0	0	0	351	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	306	0	299	0	305	0	301	0	320	0	320	0	-9	0	-5	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	306	0	301	0	310	0	305	0	320	0	320	0	-4	0	-2	0	0	0	0	0	342	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0

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

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	95	0	95	0	118	0	126	0	0	0	0	0	262	0	282	238	257	0	283	230	268	0	288	252	249	0	263	236	0	0	0	0	0	0
200	88	0	84	0	117	0	125	0	0	0	0		251	0	269	232	249	0	299	220	255	0	273	240	236	0	251	216	0	0	0	0	0	0
300	83	0	78	0	115	0	121	0	0	0	0	0	280	0	269	210	236	0	273	185	240	0	257	211	225	0	288	199	0	0	0	0	0	
400	77	0	69	0	98	0	100	0	0	0	0	0	233	0	272	189	236	0	291	183	238	0	268	212	222	0	252	196	0	0	0	0	0	0
500	102	0	89	0	131	0	133	0	0	0	0	0	230	0	285	198	226	0	269	191	230	0	263	206	215	0	239	185	0	0	0	0	0	0
600	85	0	68	0	114	0	105	0	0	0	0	0	223	0	253	189	222	0	300	181	219	0	239	183	205	0	223	176	0	0	0	0	0	0
700	94	0	77	0	123	0	121	0	0	0	0	0	225	0	254	183	222	0	246	188	224	0	250	192	208	0	231	173	0	0	0	0	0	0
800	73	0	58	0	100	0	91	0	0	0	0	0	221	0	271	194	218	0	285	182	213	0	245	169	199	0	229	146	0	0	0	0	0	0
900	69	0	54	0	95	0	82	0	0	0	0	0	210	0	259	126	207	0	254	124	207	0	230	185	194	0	221	170	0	0	0	0	0	0
1000	81	0	64	0	112	0	98	0	0	0	0	0	207	0	264	137	205	0	282	110	206	0	260	163	192	0	251	163	0	0	0	0	0	0
1100	86	0	67	0	118	0	104	0	0	0	0	0	204	0	263	101	206	0	263	145	202	0	239	177	188	0	231	164	0	0	0	0	0	0
1200	83	0	68	0	110	0	95	0	0	0	0	0	213	0	269	131	206	0	267	110	208	0	264	128	193	0	267	105	0	0	0	0	0	0
1300	97	0	75	0	165	0	137	0	0	0	0	0	185	0	251	96	190	0	265	122	191	0	224	155	178	0	214	151	0	0	0	0	0	0
1400	100	0	80	0	166	0	137	0	0	0	0	0	197	0	244	122	198	0	259	111	201	0	236	166	187	0	216	151	0	0	0	0	0	0
1500	109	0	90	0	160	0	142	0	0	0	0	0	211	0	256	158	209	0	259	153	211	0	244	188	198	0	228	173	0	0	0	0	0	0
1600	116	0	95	0	190	0	166	0	0	0	0	0	213	0	257	154	212	0	251	147	207	0	233	153	194	0	222	140	0	0	0	0	0	0
1700	120	0	95	0	189	0	166	0	0	0	0	0	213	0	261	176	207	0	259	138	208	0	251	176	197	0	234	155	0	0	0	0	0	0
1800	174	0	152	0	251	0	238	0	0	0	0	0	228	0	260	191	225	0	267	166	226	0	251	204	211	0	249	187	0	0	0	0	0	0
1900	139	0	122	0	192	0	190	0	0	0	0	0	233	0	262	201	232	0	284	194	229	0	256	195	213	0	242	178	0	0	0	0	0	0
2000	192	0	184	0	270	0	277	0	0	0	0	0	239	0	266	212	234	0	271	197	237	0	284	202	220	0	251	189	0	0	0	0	0	0
2100	173	0	164	0	252	0	264	0	0	0	0	0	239	0	268	200	237	0	267	203	239	0	266	202	223	0	256	190	0	0	0	0	0	0
2200	170	0	166	0	246	0	257	0	0	0	0	0	244	0	268	212	242	0	289	196	242	0	269	212	226	0	246	202	0	0	0	0	0	0
2300	180	0	177	0	249	0	264	0	0	0	0	0	244	0	263	214	242	0	272	196	244	0	261	225	227	0	248	204	0	0	0	0	0	0
2400	183	0	185	0	250	0	262	0	0	0	0	0	245	0	268	217	241	0	270	217	244	0	258	222	228	0	245	209	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	BAEN	S
100	299	0	294	0	299	0	296	0	320	0	320	0	-7	0	-5	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	290	0	283	0	288	0	285	0	320	0	320	0	-9	0	-7	0	0	0	0	0	324	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	279	0	272	0	279	0	274	0	320	0	320	0	-9	0	-7	0	0	0	0	0	290	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	267	0	260	0	263	0	258	0	320	0	320	0	-11	0	-7	0	0	0	0	0	322	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	252	0	245	0	247	0	243	0	320	0	320	0	-11	0	-9	0	0	0	0	0	296	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	243	0	236	0	240	0	236	0	320	0	320	0	-9	0	-7	0	0	0	0	0	261	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	225	0	218	0	222	0	216	0	320	0	320	0	-7	0	-5	0	0	0	0	0	251	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	211	0	204	0	211	0	206	0	320	0	320	0	-7	0	-5	0	0	0	0	0	188	2	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	211	0	204	0	213	0	209	0	320	0	320	0	-9	0	-7	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	220	0	215	0	220	0	215	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	247	0	240	0	227	0	224	0	320	0	320	0	-25	0	-22	0	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	283	0	276	0	261	0	256	0	320	0	320	0	-23	0	-20	0	0	0	0	0	-49	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	288	0	283	0	260	0	254	0	320	0	320	0	-31	0	-29	0	0	0	0	0	-40	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	296	0	290	0	274	0	269	0	320	0	320	0	-23	0	-20	0	0	0	0	0	-36	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	310	0	303	0	297	0	294	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-36	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	310	0	303	0	299	0	294	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-36	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	329	0	322	0	315	0	310	0	320	0	320	0	-9	0	-5	0	0	0	0	0	-33	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	338	0	331	0	329	0	324	0	320	0	320	0	-7	0	-5	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	331	0	325	0	324	0	317	0	320	0	320	0	-7	0	-5	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	336	0	331	0	331	0	327	0	320	0	320	0	-5	0	-4	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	336	0	331	0	329	0	325	0	320	0	320	0	-5	0	-4	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	333	0	327	0	329	0	324	0	320	0	320	0	-4	0	-2	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	336	0	331	0	331	0	327	0	320	0	320	0	-5	0	-4	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	333	0	327	0	329	0	324	0	320	0	320	0	-5	0	-4	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	180	0	175	0	241	0	256	0	0	0	0	0	246	0	265	222	248	0	270	218	248	0	256	240	230	0	241	211	0	0	0	0
200	177	0	176	0	247	0	260	0	0	0	0	0	248	0	260	227	244	0	275	213	251	0	256	244	233	0	241	223	0	0	0	0
300	136	0	130	0	183	0	196	0	0	0	0	0	243	0	272	204	239	0	268	191	244	0	258	224	227	0	243	206	0	0	0	0
400	123	0	121	0	169	0	179	0	0	0	0	0	244	0	269	218	240	0	272	206	247	0	261	230	230	0	241	211	0	0	0	0
500	13.	0	132	0	182	0	194	0	0	0	0	0	247	0	269	228	244	0	268	213	248	0	255	234	232	0	245	222	0	0	0	0
600	119	0	114	0	164	0	173	0	0	0	0	0	250	0	271	230	245	0	270	208	255	0	261	248	239	0	245	228	0	0	0	0
700	129	0	126	0	162	0	172	0	0	0	0	0	244	0	262	223	241	0	267	210	248	0	257	229	232	0	245	219	0	0	0	0
800	124	0	119	0	168	0	179	0	0	0	0	0	242	0	263	218	239	0	280	203	246	0	256	229	229	0	241	211	0	0	0	0
900	120	0	115	0	166	0	176	0	0	0	0	0	239	0	267	200	236	0	274	206	242	0	265	226	225	0	256	196	0	0	0	0
1000	131	0	128	0	175	0	186	0	0	0	0	0	244	0	273	210	242	0	273	201	244	0	264	253	228	0	240	206	0	0	0	0
1100	127	0	122	0	192	0	201	0	0	0	0	0	251	0	277	226	245	0	293	209	255	0	258	250	238	0	242	232	0	0	0	0
1200	125	0	123	0	173	0	182	0	0	0	0	0	251	0	273	225	246	0	272	216	256	0	259	247	239	0	243	229	0	0	0	0
1300	112	0	110	0	150	0	159	0	0	0	0	0	247	0	263	233	244	0	264	217	260	0	264	256	244	0	247	240	0	0	0	0
1400	109	0	104	0	151	0	158	0	0	0	0	0	251	0	276	231	246	0	308	218	257	0	258	248	241	0	247	236	0	0	0	0
1500	98	0	93	0	138	0	146	0	0	0	0	0	249	0	271	224	244	0	275	202	259	0	264	250	243	0	248	230	0	0	0	0
1600	89	0	87	0	113	0	120	0	0	0	0	0	252	0	266	236	249	0	274	224	273	0	291	267	255	0	270	248	0	0	0	0
1700	81	0	77	0	97	0	102	0	0	0	0	0	252	0	270	226	249	0	275	218	269	0	275	262	252	0	257	244	0	0	0	0
1800	87	0	83	0	106	0	112	0	0	0	0	0	261	0	273	249	258	0	275	230	284	0	292	273	265	0	272	257	0	0	0	0
1900	50	0	44	0	86	0	88	0	0	0	0	0	303	0	335	274	296	0	337	268	327	0	330	315	305	0	311	288	0	0	0	0
2000	83	0	77	0	94	0	98	0	0	0	0	0	299	0	310	282	292	0	313	262	306	0	309	302	285	0	289	292	0	0	0	0
2100	86	0	78	0	97	0	101	0	0	0	0	0	303	0	318	286	295	0	318	268	311	0	315	307	289	0	293	295	0	0	0	0
2200	91	0	84	0	122	0	126	0	0	0	0	0	296	0	318	268	289	0	324	261	309	0	312	304	287	0	289	284	0	0	0	0
2300	82	0	80	0	113	0	115	0	0	0	0	0	320	0	343	303	311	0	332	272	330	0	342	320	308	0	319	297	0	0	0	0
2400	56	0	54	0	76	0	77	0	0	0	0	0	322	0	349	287	314	0	347	282	329	0	337	324	307	0	316	299	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	331	0	325	0	325	0	320	0	320	0	320	0	-5	0	-4	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
200	329	0	322	0	322	0	317	0	320	0	320	0	-5	0	-4	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
300	325	0	322	0	317	0	310	0	320	0	320	0	-7	0	-5	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
400	322	0	314	0	314	0	308	0	320	0	320	0	-5	0	-4	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
500	324	0	322	0	317	0	312	0	320	0	320	0	-5	0	-4	0	0	0	0	0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
600	325	0	320	0	320	0	314	0	320	0	320	0	-5	0	-4	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
700	322	0	314	0	315	0	310	0	320	0	320	0	-5	0	-2	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
800	320	0	312	0	315	0	310	0	320	0	320	0	-2	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	322	0	315	0	315	0	308	0	320	0	320	0	-7	0	-5	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1000	327	0	320	0	315	0	310	0	320	0	320	0	-7	0	-5	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1100	331	0	324	0	322	0	315	0	320	0	320	0	-9	0	-5	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1200	336	0	331	0	325	0	320	0	320	0	320	0	-13	0	-9	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1300	342	0	334	0	338	0	334	0	320	0	320	0	-5	0	-4	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1400	347	0	342	0	336	0	331	0	320	0	320	0	-11	0	-9	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1500	351	0	343	0	343	0	338	0	320	0	320	0	-7	0	-4	0	0	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1600	361	0	352	0	363	0	358	0	320	0	320	0	2	0	4	0	0	0	0	0	51	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1700	352	0	343	0	351	0	345	0	320	0	320	0	2	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1800	334	0	329	0	352	0	347	0	320	0	320	0	16	0	18	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
1900	334	0	327	0	343	0	338	0	320	0	320	0	7	0	11	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2000	343	0	338	0	349	0	343	0	320	0	320	0	4	0	5	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2100	342	0	334	0	345	0	342	0	320	0	320	0	4	0	5	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2200	347	0	340	0	354	0	349	0	320	0	320	0	4	0	5	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2300	351	0	343	0	358	0	352	0	320	0	320	0	2	0	4	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	352	0	345	0	358	0	354	0	320	0	320	0	-4	0	-2	0	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	78	0	79	0	96	0	97	0	0	0	0	0	318	0	332	302	309	0	329	275	330	0	331	327	308	0	311	305	0	0	0	0	0	0
200	79	0	76	0	111	0	112	0	0	0	0	0	319	0	331	292	311	0	332	286	331	0	340	312	309	0	319	295	0	0	0	0	0	
300	89	0	85	0	103	0	107	0	0	0	0	0	307	0	320	291	301	0	329	278	316	0	325	309	294	0	302	285	0	0	0	0	0	
400	96	0	90	0	109	0	114	0	0	0	0	0	297	0	311	280	290	0	319	251	304	0	308	299	283	0	287	278	0	0	0	0	0	0
500	73	0	68	0	85	0	92	0	0	0	0	0	285	0	321	259	279	0	314	243	287	0	319	245	266	0	295	229	0	0	0	0	0	0
600	82	0	78	0	109	0	116	0	0	0	0	0	245	0	285	209	242	0	280	203	249	0	273	219	233	0	251	198	0	0	0	0	0	1
700	96	0	89	0	119	0	126	0	0	0	0	0	235	0	262	206	231	0	273	180	237	0	257	218	221	0	245	196	0	0	0	0	0	1
800	77	0	73	0	102	0	110	0	0	0	0	0	237	0	265	219	233	0	263	209	236	0	264	213	219	0	234	199	0	0	0	0	0	0
900	45	0	33	0	71	0	65	0	0	0	0	0	210	0	258	153	208	0	269	153	211	0	230	165	196	0	223	151	0	0	0	0	0	1
1000	66	0	52	0	122	0	108	0	0	0	0	0	186	0	263	105	185	0	259	95	192	0	233	151	178	0	208	133	0	0	0	0	0	0
1100	84	0	68	0	161	0	144	0	0	0	0	0	169	0	219	119	173	0	259	90	181	0	211	145	168	0	196	122	0	0	0	0	0	0
1200	92	0	74	0	157	0	138	0	0	0	0	0	188	0	240	124	185	0	263	96	195	0	226	159	179	0	217	136	0	0	0	0	0	0
1300	90	0	72	0	155	0	129	0	0	0	0	0	184	0	223	105	184	0	236	119	191	0	217	144	175	0	201	113	0	0	0	0	0	1
1400	119	0	111	0	169	0	163	0	0	0	0	0	232	0	258	200	231	0	276	197	226	0	260	192	212	0	241	189	0	0	0	0	0	1
1500	127	0	120	0	180	0	187	0	0	0	0	0	236	0	291	210	235	0	333	184	235	0	274	212	219	0	250	194	0	0	0	0	0	1
1600	139	0	136	0	197	0	209	0	0	0	0	0	244	0	267	216	241	0	271	202	244	0	258	217	227	0	248	208	0	0	0	0	0	0
1700	169	0	165	0	239	0	253	0	0	0	0	0	245	0	261	213	243	0	273	215	249	0	256	238	232	0	241	221	0	0	0	0	0	0
1800	174	0	171	0	249	0	265	0	0	0	0	0	245	0	261	220	242	0	261	207	246	0	256	232	229	0	248	214	0	0	0	0	0	0
1900	154	0	150	0	228	0	242	0	0	0	0	0	243	0	260	198	240	0	282	189	244	0	266	227	227	0	240	203	0	0	0	0	0	1
2000	151	0	146	0	218	0	231	0	0	0	0	0	242	0	262	217	238	0	264	197	245	0	258	224	228	0	249	208	0	0	0	0	0	1
2100	135	0	129	0	197	0	208	0	0	0	0	0	248	0	273	226	243	0	268	212	251	0	258	246	235	0	244	223	0	0	0	0	0	1
2200	112	0	107	0	167	0	176	0	0	0	0	0	250	0	273	238	252	0	273	225	260	0	287	253	250	0	268	238	0	0	0	0	0	0
2300	126	0	123	0	161	0	168	0	0	0	0	0	269	0	301	245	264	0	294	230	281	0	298	259	262	0	275	235	0	0	0	0	0	0
2400	130	0	125	0	170	0	181	0	0	0	0	0	283	0	318	247	277	0	321	230	291	0	321	245	271	0	307	229	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PATH	S
100	349	0	342	0	358	0	354	0	320	0	320	0	2	0	4	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	1	117	0
200	343	0	336	0	356	0	352	0	320	0	320	0	2	0	4	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	118	0
300	343	0	336	0	352	0	349	0	320	0	320	0	2	0	0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	118	0
400	334	0	329	0	343	0	342	0	320	0	320	0	-4	0	2	0	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	119	0
500	333	0	325	0	338	0	334	0	320	0	320	0	-7	0	-5	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0	119	0
600	322	0	314	0	331	0	325	0	320	0	320	0	-5	0	-4	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0	119	0
700	292	0	287	0	299	0	296	0	320	0	320	0	-9	0	-7	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	119	0
800	287	0	281	0	290	0	285	0	320	0	320	0	-9	0	-7	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
900	299	0	292	0	303	0	299	0	320	0	320	0	-9	0	-5	0	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	119	0
1000	285	0	279	0	285	0	281	0	320	0	320	0	-14	0	-13	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	1	119	0
1100	281	0	274	0	281	0	278	0	320	0	320	0	-13	0	-11	0	0	0	0	0	82	0	0	0	0	0	0	0	0	0	0	0	0	0	119	0
1200	285	0	279	0	283	0	279	0	320	0	320	0	-14	0	-11	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	119	0
1300	322	0	314	0	306	0	303	0	320	0	320	0	-22	0	-20	0	0	0	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0	0	119	0
1400	343	0	338	0	336	0	333	0	320	0	320	0	-13	0	-11	0	0	0	0	0	83	0	0	0	0	0	0	0	0	0	0	0	0	1	120	0
1500	349	0	343	0	340	0	336	0	320	0	320	0	-13	0	-11	0	0	0	0	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0	122	0
1600	351	0	343	0	347	0	342	0	320	0	320	0	-9	0	-7	0	0	0	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	124	0
1700	345	0	338	0	349	0	343	0	320	0	320	0	-2	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	0	0	125	0
1800	343	0	336	0	347	0	343	0	320	0	320	0	0	0	2	0	0	0	0	0	53	0	0	0	0	0	000		0	0	0	0	0	0	125	0
1900	343	0	336	0	347	0	343	0	320	0	320	0	0	0	2	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	1	125	0
2000	336	0	331	0	340	0	336	0	320	0	320	0	2	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0	0	0	0	0	0	1	125	0
2100	334	0	329	0	336	0	333	0	320	0	320	0	0	0	2	0	0	0	0	0	51	0	0	0	0	0	0	0	0	0	0	0	0	1	125	0
2200	340	0	333	0	351	0	347	0	320	0	320	0	9	0	11	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	125	0
2300	358	0	351	0	361	0	356	0	320	0	320	0	0	0	2	0	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	125	0
2400	367	0	361	0	367	0	361	0	320	0	320	0	-4	0	2	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	1	126	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6		
														50 B	S		150A	S		150B	S			S			S			
100	173	0	163	0	219	0	227	0	0	0	0	0	292	0	314	265	286	0	318	259	300	0	313	280	280	0	289	271	0	0
200	170	0	166	0	201	0	211	0	0	0	0	0	293	0	323	264	285	0	326	262	301	0	325	281	280	0	296	257	0	0
300	195	0	186	0	252	0	258	0	0	0	0	0	304	0	316	294	298	0	327	265	314	0	320	307	292	0	296	288	0	0
400	163	0	161	0	259	0	261	0	0	0	0	0	314	0	333	296	307	0	335	260	327	0	334	321	305	0	312	297	0	0
500	178	0	170	0	272	0	269	0	0	0	0	0	323	0	340	302	315	0	347	262	333	0	346	326	311	0	323	306	0	0
600	173	0	162	0	260	0	255	0	0	0	0	0	335	0	356	304	328	0	359	286	343	0	347	335	322	0	334	316	0	0
700	153	0	146	0	236	0	231	0	0	0	0	0	337	0	6	277	331	0	17	270	348	0	6	336	326	0	347	315	0	0
800	169	0	152	0	237	0	231	0	0	0	0	0	346	0	10	327	339	0	11	303	351	0	7	325	331	0	359	312	0	0
900	132	0	127	0	165	0	164	0	0	0	0	0	30	0	67	7	23	0	58	350	30	0	54	2	11	0	47	343	0	0
1000	131	0	121	0	173	0	169	0	0	0	0	0	30	0	51	0	24	0	51	354	28	0	54	345	7	0	35	329	0	0
1100	120	0	111	0	154	0	149	0	0	0	0	0	27	0	59	347	20	0	59	332	23	0	61	358	4	0	37	338	0	0
1200	135	0	132	0	201	0	194	0	0	0	0	0	21	0	66	352	16	0	64	322	13	0	38	339	354	0	30	323	0	0
1300	105	0	93	0	179	0	174	0	0	0	0	0	3	0	76	320	357	0	48	285	5	0	55	327	346	0	36	312	0	0
1400	160	0	150	0	218	0	207	0	0	0	0	0	345	0	8	325	338	0	51	302	356	0	21	335	337	0	17	319	0	0
1500	153	0	142	0	215	0	209	0	0	0	0	0	349	0	21	308	337	0	42	305	354	0	23	337	334	0	8	314	0	0
1600	149	0	136	0	212	0	204	0	0	0	0	0	347	0	17	328	330	0	27	298	351	0	28	328	332	0	359	312	0	0
1700	136	0	129	0	200	0	195	0	0	0	0	0	349	0	34	322	342	0	42	299	356	0	22	316	337	0	357	308	0	0
1800	113	0	108	0	178	0	169	0	0	0	0	0	358	0	65	305	352	0	118	276	2	0	44	333	343	0	30	312	0	0
1900	98	0	97	0	151	0	146	0	0	0	0	0	9	0	62	319	1	0	82	274	5	0	65	310	344	0	36	302	0	0
2000	93	0	88	0	139	0	139	0	0	0	0	0	20	0	64	333	12	0	58	319	6	0	33	321	348	0	55	317	0	0
2100	86	0	77	0	136	0	135	0	0	0	0	0	10	0	41	319	5	0	64	316	7	0	59	325	346	0	17	290	0	0
2200	70	0	67	0	115	0	111	0	0	0	0	0	15	0	65	333	9	0	54	310	6	0	28	331	349	0	27	308	0	0
2300	48	0	51	0	52	0	61	0	0	0	0	0	68	0	92	38	66	0	98	25	65	0	83	47	49	0	70	26	0	0
2400	71	0	69	0	98	0	99	0	0	0	0	0	85	0	99	69	83	0	101	64	81	0	89	74	66	0	76	60	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	365	0	360	0	367	0	363	0	320	0	320	0	0	0	2	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	126	0
200	370	0	365	0	370	0	367	0	320	0	320	0	-2	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	127	0
300	369	0	361	0	374	0	370	0	320	0	320	0	2	0	4	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	129	0
400	363	0	356	0	365	0	361	0	320	0	320	0	2	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	129	0
500	361	0	354	0	363	0	358	0	320	0	320	0	2	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	129	0
600	363	0	356	0	365	0	361	0	320	0	320	0	0	0	2	0	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	129	0
700	361	0	354	0	361	0	358	0	320	0	320	0	0	0	2	0	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	130	0
800	360	0	354	0	360	0	354	0	320	0	320	0	-4	0	2	0	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	338	0	333	0	333	0	329	0	320	0	320	0	-9	0	-7	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	324	0	315	0	315	0	310	0	320	0	320	0	-11	0	-9	0	0	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	317	0	310	0	310	0	305	0	320	0	320	0	-11	0	-9	0	0	0	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	315	0	310	0	306	0	301	0	320	0	320	0	-9	0	-7	0	0	0	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	310	0	305	0	299	0	294	0	320	0	320	0	-11	0	-9	0	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	299	0	292	0	288	0	283	0	320	0	320	0	-11	0	-9	0	0	0	0	0	94	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	296	0	290	0	285	0	281	0	320	0	320	0	-11	0	-9	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	290	0	283	0	279	0	274	0	320	0	320	0	-11	0	-9	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	288	0	283	0	278	0	272	0	320	0	320	0	-9	0	-7	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	283	0	276	0	272	0	267	0	320	0	320	0	-9	0	-7	0	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	283	0	276	0	272	0	267	0	320	0	320	0	-9	0	-7	0	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	279	0	267	0	263	0	258	0	320	0	320	0	-9	0	-7	0	0	0	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	269	0	261	0	261	0	254	0	320	0	320	0	-7	0	-5	0	0	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	265	0	256	0	256	0	251	0	320	0	320	0	-7	0	-5	0	0	0	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	256	0	249	0	245	0	240	0	320	0	320	0	-9	0	-7	0	0	0	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	220	0	211	0	215	0	209	0	320	0	320	0	-4	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	74	0	69	0	97	0	94	0	0	0	0	0	99	0	113	85	99	0	112	78	87	0	93	80	72	0	78	66	0	0	0	0	0	0
200	75	0	72	0	97	0	97	0	0	0	0	0	111	0	119	96	112	0	126	94	101	0	107	95	86	0	94	78	0	0	0	0	0	0
300	75	0	74	0	109	0	112	0	0	0	0	0	127	0	134	119	128	0	135	119	118	0	123	113	105	0	110	100	0	0	0	0	0	0
400	81	0	80	0	119	0	124	0	0	0	0	0	130	0	140	121	131	0	142	119	130	0	133	126	117	0	121	114	0	0	0	0	0	0
500	77	0	77	0	120	0	129	0	0	0	0	0	135	0	140	125	138	0	153	128	134	0	136	131	121	0	124	117	0	0	0	0	0	0
600	79	0	80	0	145	0	149	0	0	0	0	0	148	0	167	127	150	0	188	120	153	0	159	145	140	0	147	128	0	0	0	0	0	0
700	74	0	70	0	137	0	141	0	0	0	0	0	153	0	173	131	152	0	197	128	162	0	168	158	149	0	152	144	0	0	0	0	0	0
800	77	0	79	0	163	0	175	0	0	0	0	0	149	0	169	128	148	0	187	118	171	0	175	160	158	0	162	140	0	0	0	0	0	0
900	68	0	69	0	163	0	150	0	0	0	0	0	154	0	193	123	157	0	242	118	179	0	189	165	166	0	178	151	0	0	0	0	0	0
1000	61	0	61	0	122	0	115	0	0	0	0	0	159	0	222	114	182	0	261	112	177	0	198	144	164	0	189	124	0	0	0	0	0	0
1100	70	0	73	0	91	0	93	0	0	0	0	0	129	0	155	106	131	0	153	112	146	0	161	125	137	0	155	120	0	0	0	0	0	0
1200	49	0	53	0	84	0	84	0	0	0	0	0	147	0	211	102	150	0	230	108	167	0	198	141	155	0	179	122	0	0	0	0	0	0
1300	77	0	77	0	113	0	115	0	0	0	0	0	151	0	203	107	152	0	231	117	166	0	200	133	157	0	178	127	0	0	0	0	0	0
1400	51	0	53	0	85	0	82	0	0	0	0	0	149	0	206	111	149	0	221	109	168	0	209	130	158	0	198	125	0	0	0	0	0	0
1500	70	0	73	0	111	0	109	0	0	0	0	0	157	0	219	117	161	0	245	121	171	0	195	137	160	0	191	134	0	0	0	0	0	0
1600	63	0	65	0	91	0	94	0	0	0	0	0	150	0	231	115	152	0	218	116	161	0	192	126	150	0	175	120	0	0	0	0	0	0
1700	58	0	53	0	92	0	93	0	0	0	0	0	155	0	198	125	158	0	204	92	169	0	215	143	158	0	179	130	0	0	0	0	0	0
1800	43	0	36	0	83	0	69	0	0	0	0	0	168	0	219	114	167	0	215	128	188	0	205	170	176	0	196	145	0	0	0	0	0	0
1900	43	0	34	0	86	0	72	0	0	0	0	0	190	0	226	128	188	0	237	95	197	0	217	179	184	0	198	170	0	0	0	0	0	0
2000	69	0	51	0	112	0	98	0	0	0	0	0	210	0	236	181	209	0	248	166	211	0	229	191	199	0	213	180	0	0	0	0	0	0
2100	93	0	70	0	154	0	136	0	0	0	0	0	209	0	246	154	210	0	259	163	207	0	231	186	195	0	220	176	0	0	0	0	0	0
2200	103	0	80	0	156	0	137	0	0	0	0	0	213	0	243	170	210	0	243	155	215	0	241	195	202	0	225	129	0	0	0	0	0	0
2300	119	0	109	0	166	0	169	0	0	0	0	0	234	0	255	206	231	0	277	193	233	0	257	199	219	0	244	190	0	0	0	0	0	0
2400	148	0	146	0	186	0	198	0	0	0	0	0	247	0	273	228	245	0	263	216	248	0	258	224	233	0	243	211	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	198	0	189	0	200	0	195	0	320	0	320	0	4	0	7	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
200	188	0	180	0	193	0	188	0	320	0	320	0	5	0	9	0	0	0	0	0	56	2	0	0	0	0	0	0	0	0	0	0	0	1	131	0
300	180	0	173	0	184	0	180	0	320	0	320	0	5	0	7	0	0	0	0	0	56	2	0	0	0	0	0	0	0	0	0	0	0	1	131	0
400	171	0	162	0	179	0	173	0	320	0	320	0	9	0	11	0	0	0	0	0	69	2	0	0	0	0	0	0	0	0	0	0	0	1	131	0
500	155	0	148	0	171	0	166	0	320	0	320	0	14	0	18	0	0	0	0	0	62	2	0	0	0	0	0	0	0	0	0	0	0	1	131	0
600	150	0	143	0	173	0	168	0	320	0	320	0	22	0	25	0	0	0	0	0	56	2	0	0	0	0	0	0	0	0	0	0	0	1	131	0
700	144	0	137	0	171	0	168	0	320	0	320	0	27	0	31	0	0	0	0	0	56	2	0	0	0	0	0	0	0	0	0	0	0	1	131	0
800	141	0	134	0	166	0	161	0	320	0	320	0	25	0	29	0	0	0	0	0	69	2	0	0	0	0	0	0	0	0	0	0	0	1	131	0
900	148	0	141	0	166	0	161	0	320	0	320	0	18	0	22	0	0	0	0	0	62	2	0	0	0	0	0	0	0	0	0	0	0	1	131	0
1000	180	0	173	0	170	0	164	0	320	0	320	0	-11	0	-9	0	0	0	0	0	56	2	0	0	0	0	0	0	0	0	0	0	0	1	131	0
1100	189	0	184	0	173	0	170	0	320	0	320	0	-14	0	-13	0	0	0	0	0	56	2	0	0	0	0	0	0	0	0	0	0	0	1	131	0
1200	220	0	213	0	195	0	191	0	320	0	320	0	-23	0	-22	0	0	0	0	0	69	2	0	0	0	0	0	0	0	0	0	0	0	1	131	0
1300	224	0	218	0	204	0	198	0	320	0	320	0	-20	0	-18	0	0	0	0	0	209	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
1400	240	0	233	0	220	0	215	0	320	0	320	0	-20	0	-18	0	0	0	0	0	105	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
1500	243	0	236	0	227	0	222	0	320	0	320	0	-16	0	-14	0	0	0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
1600	252	0	245	0	236	0	233	0	320	0	320	0	-14	0	-13	0	0	0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
1700	249	0	242	0	240	0	234	0	320	0	320	0	-9	0	-7	0	0	0	0	0	94	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
1800	242	0	234	0	242	0	236	0	320	0	320	0	0	0	4	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
1900	249	0	242	0	247	0	243	0	320	0	320	0	2	0	2	0	0	0	0	0	94	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
2000	263	0	256	0	261	0	258	0	320	0	320	0	0	0	2	0	0	0	0	0	96	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
2100	267	0	258	0	267	0	263	0	320	0	320	0	0	0	2	0	0	0	0	0	96	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
2200	283	0	278	0	285	0	281	0	320	0	320	0	2	0	2	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
2300	297	0	292	0	292	0	287	0	320	0	320	0	-9	0	-7	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
2400	303	0	296	0	297	0	292	0	320	0	320	0	-9	0	-7	0	0	0	0	0	108	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0

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

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR JANUARY 8, 1984 PAGE 8

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	195	0	193	0	222	0	234	0	0	0	0	0	270	0	296	253	266	0	302	237	277	0	307	242	261	0	277	230	0	0	0	0	0	0
200	166	0	152	0	215	0	221	0	0	0	0	0	296	0	313	282	290	0	328	263	305	0	310	298	286	0	291	279	0	0	0	0	0	0
300	180	0	169	0	240	0	247	0	0	0	0	0	296	0	311	282	288	0	321	256	306	0	314	299	287	0	295	279	0	0	0	0	0	0
400	211	0	201	0	271	0	277	0	0	0	0	0	302	0	314	291	295	0	325	268	312	0	325	336	292	0	301	284	0	0	0	0	0	0
500	226	0	219	0	293	0	301	0	0	0	0	0	300	0	318	281	294	0	331	263	308	0	315	301	289	0	296	284	0	0	0	0	0	0
600	249	0	248	0	329	0	335	0	0	0	0	0	307	0	323	292	299	0	322	278	316	0	324	308	296	0	308	287	0	0	0	0	0	0
700	259	0	256	0	344	0	345	0	0	0	0	0	313	0	329	299	305	0	327	277	323	0	331	310	302	0	308	289	0	0	0	0	0	0
800	219	0	227	0	316	0	317	0	0	0	0	0	317	0	336	293	307	0	352	275	329	0	342	321	307	0	323	301	0	0	0	0	0	0
900	229	0	236	0	310	0	309	0	0	0	0	0	320	0	351	297	312	0	349	277	329	0	343	314	308	0	324	296	0	0	0	0	0	0
1000	201	0	199	0	287	0	288	0	0	0	0	0	319	0	341	285	312	0	352	260	330	0	347	296	310	0	337	279	0	0	0	0	0	0
1100	176	0	167	0	254	0	250	0	0	0	0	0	326	0	350	278	322	0	5	286	335	0	353	307	315	0	335	283	0	0	0	0	0	0
1200	169	0	172	0	232	0	233	0	0	0	0	0	326	0	359	292	319	0	352	280	335	0	351	309	313	0	327	289	0	0	0	0	0	0
1300	144	0	146	0	208	0	207	0	0	0	0	0	322	0	345	290	316	0	8	285	336	0	355	326	314	0	334	297	0	0	0	0	0	0
1400	162	0	154	0	214	0	215	0	0	0	0	0	323	0	354	294	318	0	12	277	335	0	354	321	313	0	337	300	0	0	0	0	0	0
1500	123	0	117	0	181	0	180	0	0	0	0	0	324	0	359	289	318	0	17	282	335	0	354	314	314	0	327	293	0	0	0	0	0	0
1600	118	0	112	0	154	0	156	0	0	0	0	0	326	0	0	280	318	0	5	272	336	0	7	296	315	0	354	247	0	0	0	0	0	0
1700	112	0	107	0	149	0	147	0	0	0	0	0	328	0	354	286	321	0	359	268	337	0	353	314	317	0	345	296	0	0	0	0	0	0
1800	108	0	102	0	145	0	144	0	0	0	0	0	344	0	12	311	335	0	10	289	350	0	35	327	329	0	4	299	0	0	0	0	0	0
1900	65	0	56	0	87	0	84	0	0	0	0	0	2	0	74	308	358	0	79	282	1	0	64	306	343	0	66	300	0	0	0	0	0	0
2000	82	0	74	0	106	0	102	0	0	0	0	0	347	0	23	313	339	0	41	297	356	0	39	331	335	0	35	309	0	0	0	0	0	0
2100	72	0	65	0	98	0	97	0	0	0	0	0	1	0	47	317	355	0	58	294	2	0	44	323	340	0	23	297	0	0	0	0	0	0
2200	55	0	51	0	58	0	57	0	0	0	0	0	38	0	59	15	33	0	72	6	29	0	49	9	9	0	37	352	0	0	0	0	0	0
2300	24	0	21	0	24	0	27	0	0	0	0	0	126	0	142	83	128	3	148	71	102	3	127	63	86	3	113	37	0	0	0	0	0	0
2400	59	0	51	0	60	0	64	0	0	0	0	0	115	0	132	92	114	0	140	89	118	0	138	96	101	0	120	76	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	327	0	320	0	320	0	314	0	320	0	320	0	-9	0	-7	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	324	0	317	0	320	0	315	0	320	0	320	0	-7	0	-7	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	325	0	322	0	324	0	322	0	320	0	320	0	-7	0	-5	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	325	0	322	0	325	0	320	0	320	0	320	0	-5	0	-4	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	320	0	312	0	320	0	315	0	320	0	320	0	-5	0	-4	0	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	132	0
600	314	0	306	0	314	0	310	0	320	0	320	0	-5	0	-5	0	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	131	6
700	305	0	297	0	303	0	299	0	320	0	320	0	-9	0	-7	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	288	0	281	0	285	0	279	0	320	0	320	0	-9	0	-7	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	276	0	269	0	270	0	267	0	320	0	320	0	-9	0	-7	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	251	0	243	0	243	0	240	0	320	0	320	0	-13	0	-9	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	245	0	238	0	238	0	233	0	320	0	320	0	-11	0	-9	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	245	0	236	0	238	0	234	0	320	0	320	0	-13	0	-9	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	242	0	234	0	231	0	227	0	320	0	320	0	-15	0	-9	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	245	0	240	0	238	0	234	0	320	0	320	0	-13	0	-9	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	249	0	242	0	242	0	238	0	320	0	320	0	-14	0	-11	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	242	0	236	0	234	0	229	0	320	0	320	0	-13	0	-11	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	234	0	229	0	227	0	224	0	320	0	320	0	-11	0	-9	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	236	0	229	0	229	0	224	0	320	0	320	0	-9	0	-7	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	234	0	229	0	229	0	225	0	320	0	320	0	-9	0	-7	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	238	0	233	0	233	0	227	0	320	0	320	0	-9	0	-7	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	236	0	229	0	231	0	227	0	320	0	320	0	-11	0	-7	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	225	0	220	0	224	0	220	0	320	0	320	0	-9	0	-7	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	220	0	213	0	220	0	215	0	320	0	320	0	-9	0	-5	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	211	0	204	0	209	0	206	0	320	0	320	0	-9	0	-7	0	0	0	.0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	69	0	62	0	76	0	81	0	0	0	0	0	115	0	139	101	114	0	144	96	118	0	135	97	104	0	121	86	0	0	0	0	0	0
200	71	0	64	0	75	0	79	0	0	0	0	0	115	0	134	96	115	0	151	95	119	0	135	101	105	0	125	86	0	0	0	0	0	0
300	74	0	67	0	79	0	81	0	0	0	0	0	114	0	129	97	115	0	137	90	116	0	132	100	102	0	114	86	0	0	0	0	0	0
400	68	0	62	0	87	0	88	0	0	0	0	0	106	0	133	84	104	0	138	68	106	0	118	92	91	0	106	71	0	0	0	0	0	0
500	88	0	81	0	103	0	104	0	0	0	0	0	112	0	128	94	111	0	131	72	112	0	129	94	96	0	113	78	0	0	0	0	0	0
600	101	0	91	0	116	0	116	0	0	0	0	0	111	0	131	94	111	0	141	80	106	0	121	84	92	0	106	79	0	0	0	0	0	0
700	101	0	95	0	122	0	123	0	0	0	0	0	108	0	128	84	108	0	131	64	112	0	129	98	97	0	115	75	0	0	0	0	0	0
800	89	0	83	0	104	0	105	0	0	0	0	0	114	0	139	94	113	0	139	85	115	0	135	97	100	0	116	77	0	0	0	0	0	0
900	90	0	81	0	107	0	106	0	0	0	0	0	96	0	120	71	93	0	119	64	96	0	116	82	80	0	104	62	0	0	0	0	0	0
1000	122	0	114	0	153	0	151	0	0	0	0	0	103	0	125	77	100	0	124	56	100	0	115	84	84	0	101	67	0	0	0	0	0	0
1100	137	0	124	0	161	0	161	0	0	0	0	0	109	0	124	82	109	0	131	77	110	0	128	94	95	0	112	79	0	0	0	0	0	0
1200	119	0	110	0	141	0	143	0	0	0	0	0	114	0	129	100	113	0	137	84	114	0	130	96	100	0	113	85	0	0	0	0	0	0
1300	124	0	113	0	144	0	143	0	0	0	0	0	108	0	129	91	106	0	132	71	107	0	122	85	91	0	107	63	0	0	0	0	0	0
1400	94	0	86	0	117	0	115	0	0	0	0	0	96	0	122	76	95	0	127	62	95	0	114	75	80	0	96	51	0	0	0	0	0	0
1500	92	0	86	0	106	0	105	0	0	0	0	0	90	0	115	70	87	0	115	63	90	0	108	75	74	0	97	54	0	0	0	0	0	0
1600	94	0	88	0	109	0	111	0	0	0	0	0	91	0	106	77	87	0	106	57	92	0	116	71	75	0	96	57	0	0	0	0	0	0
1700	81	0	76	0	86	0	90	0	0	0	0	0	88	0	113	67	88	0	119	55	84	0	103	68	68	0	88	51	0	0	0	0	0	0
1800	73	0	72	0	80	0	84	0	0	0	0	0	80	0	121	52	77	0	131	39	80	0	106	49	62	0	90	33	0	0	0	0	0	0
1900	52	0	45	0	57	0	56	0	0	0	0	0	30	0	75	10	23	0	58	352	30	0	55	342	10	0	29	371	0	0	0	0	0	0
2000	47	0	42	0	48	0	52	0	0	0	0	0	55	0	125	21	48	0	133	12	58	0	118	27	41	0	103	12	0	0	0	0	0	0
2100	66	0	59	0	78	0	77	0	0	0	0	0	35	0	59	6	28	0	56	350	31	0	55	9	12	0	34	352	0	0	0	0	0	0
2200	40	0	40	0	58	0	59	0	0	0	0	0	81	0	72	40	86	0	78	33	48	0	64	27	31	0	50	11	0	0	0	0	0	0
2300	63	0	57	0	92	0	89	0	0	0	0	0	42	0	62	11	37	0	56	8	32	0	46	16	13	0	25	355	0	0	0	0	0	0
2400	50	0	45	0	51	0	58	0	0	0	0	0	83	0	110	57	78	0	107	53	66	0	88	49	48	0	68	29	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	204	0	197	0	202	0	197	0	320	0	320	0	-9	0	-7	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	200	0	193	0	198	0	195	0	320	0	320	0	-11	0	-7	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	195	0	188	0	193	0	189	0	320	0	320	0	-9	0	-7	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	188	0	179	0	186	0	182	0	320	0	320	0	-9	0	-7	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	186	0	179	0	184	0	180	0	320	0	320	0	-11	0	-7	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	179	0	171	0	175	0	170	0	320	0	320	0	-11	0	-7	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	179	0	171	0	175	0	170	0	320	0	320	0	-9	0	-7	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	182	0	175	0	173	0	168	0	320	0	320	0	-11	0	-7	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	180	0	173	0	171	0	168	0	320	0	320	0	-11	0	-9	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	180	0	173	0	170	0	166	0	320	0	320	0	-11	0	-7	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	184	0	177	0	173	0	168	0	320	0	320	0	-11	0	-7	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	184	0	177	0	173	0	168	0	320	0	320	0	-11	0	-9	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	186	0	179	0	173	0	170	0	320	0	320	0	-11	0	-7	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	188	0	182	0	179	0	175	0	320	0	320	0	-11	0	-9	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	182	0	177	0	173	0	168	0	320	0	320	0	-11	0	-9	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	182	0	175	0	173	0	170	0	320	0	320	0	-11	0	-9	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	184	0	177	0	177	0	171	0	320	0	320	0	-11	0	-7	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	184	0	179	0	177	0	173	0	320	0	320	0	-11	0	-7	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	188	0	180	0	179	0	175	0	320	0	320	0	-9	0	-7	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	188	0	180	0	175	0	171	0	320	0	320	0	-11	0	-7	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	184	0	177	0	173	0	168	0	320	0	320	0	-11	0	-7	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	182	0	175	0	179	0	173	0	320	0	320	0	-9	0	2	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	188	0	182	0	186	0	180	0	320	0	320	0	-9	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	177	0	170	0	173	0	168	0	320	0	320	0	-9	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6		
														50 B	S		150A	S		150B	S			S			S			
100	50	0	41	0	56	0	55	0	0	0	0	0	109	0	124	91	107	0	132	80	94	0	112	79	77	0	103	60	0	0
200	49	0	42	0	40	0	40	0	0	0	0	0	113	0	133	89	112	0	129	85	88	0	109	76	72	0	85	58	0	0
300	54	0	47	0	53	0	54	0	0	0	0	0	123	0	139	101	121	0	143	101	114	0	148	87	98	0	126	59	0	0
400	16	0	13	0	14	0	16	0	0	0	0	0	167	0	201	93	183	0	200	111	286	0	348	203	267	0	305	197	0	0
500	50	0	42	0	77	0	77	0	0	0	0	0	341	0	20	303	332	0	18	284	351	0	34	330	330	0	12	287	0	0
600	97	0	89	0	161	0	158	0	0	0	0	0	9	0	69	310	358	0	54	287	2	0	38	329	342	0	35	298	0	0
700	119	0	106	0	168	0	162	0	0	0	0	0	350	0	27	312	342	0	37	298	357	0	27	307	339	0	49	299	0	0
800	108	0	95	0	143	0	143	0	0	0	0	0	7	0	66	325	3	0	74	297	8	0	74	325	347	0	60	310	0	0
900	77	0	83	0	90	0	105	0	0	0	0	0	62	0	80	43	57	0	88	28	59	0	89	39	42	0	70	23	0	0
1000	75	0	78	0	85	0	98	0	0	0	0	0	60	0	89	32	56	0	98	0	58	0	84	37	41	0	60	14	0	0
1100	102	0	102	0	117	0	126	0	0	0	0	0	78	0	101	60	74	0	106	47	76	0	100	61	59	0	77	46	0	0
1200	78	0	76	0	86	0	90	0	0	0	0	0	75	0	108	49	73	0	103	37	74	0	99	53	58	0	81	38	0	0
1300	46	0	42	0	51	0	52	0	0	0	0	0	69	0	100	29	66	0	103	21	68	0	96	36	50	0	83	15	0	0
1400	46	0	40	0	49	0	48	0	0	0	0	0	84	0	105	70	86	0	105	62	88	0	108	68	72	0	89	51	0	0
1500	46	0	42	0	50	0	50	0	0	0	0	0	87	0	118	53	85	0	124	47	84	0	107	61	66	0	86	46	0	0
1600	39	0	36	0	38	0	40	0	0	0	0	0	76	0	103	28	73	0	107	33	75	0	102	45	59	0	87	14	0	0
1700	28	0	23	0	27	0	28	0	0	0	0	0	123	0	155	101	123	0	163	100	113	0	148	94	98	3	138	74	0	0
1800	33	0	25	0	39	0	39	0	0	0	0	0	108	0	121	85	109	0	153	85	98	0	114	88	81	0	95	71	0	0
1900	36	0	28	0	43	0	43	0	0	0	0	0	113	0	136	82	113	0	133	75	109	0	128	98	95	0	115	81	0	0
2000	46	0	38	0	59	0	58	0	0	0	0	0	98	0	115	83	96	0	122	77	95	0	109	86	79	0	81	68	0	0
2100	44	0	37	0	56	0	54	0	0	0	0	0	94	0	119	72	91	0	114	73	91	0	106	75	74	0	96	57	0	0
2200	55	0	46	0	64	0	70	0	0	0	0	0	119	0	133	108	120	0	132	94	131	0	138	122	117	0	122	105	0	0
2300	46	0	40	0	74	0	75	0	0	0	0	0	147	0	194	118	147	0	189	114	157	0	167	141	144	0	155	127	0	0
2400	35	0	28	0	43	0	45	0	0	0	0	0	110	0	140	87	109	0	134	83	122	0	132	104	108	0	120	91	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	155	0	148	0	153	0	150	0	320	0	320	0	-2	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	153	0	146	0	175	0	171	0	320	0	320	0	22	0	23	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	157	0	150	0	162	0	159	0	320	0	320	0	5	0	7	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	173	0	166	0	193	0	189	0	320	0	320	0	22	0	23	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	213	0	206	0	222	0	216	0	320	0	320	0	-7	0	11	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	249	0	243	0	242	0	236	0	320	0	320	0	-7	0	-5	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	258	0	251	0	247	0	243	0	320	0	320	0	-9	0	-7	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	245	0	238	0	234	0	231	0	320	0	320	0	-9	0	-7	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	202	0	197	0	191	0	186	0	320	0	320	0	-11	0	-7	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	195	0	189	0	188	0	182	0	320	0	320	0	-11	0	-9	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	189	0	184	0	179	0	173	0	320	0	320	0	-13	0	-11	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	184	0	179	0	177	0	171	0	320	0	320	0	-13	0	-11	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	186	0	180	0	177	0	173	0	320	0	320	0	-13	0	-11	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	182	0	177	0	175	0	171	0	320	0	320	0	-13	0	-11	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	179	0	173	0	171	0	166	0	320	0	320	0	-13	0	-11	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	177	0	171	0	171	0	168	0	320	0	320	0	-13	0	-9	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	170	0	162	0	166	0	161	0	320	0	320	0	-11	0	-7	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	164	0	157	0	155	0	150	0	320	0	320	0	-9	0	-5	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	161	0	153	0	155	0	150	0	320	0	320	0	-5	0	-4	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	161	0	153	0	155	0	150	0	320	0	320	0	-5	0	-4	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	161	0	153	0	152	0	148	0	320	0	320	0	-7	0	-5	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	150	0	143	0	146	0	141	0	320	0	320	0	-5	0	-2	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	143	0	135	0	148	0	144	0	320	0	320	0	-2	0	2	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	139	0	130	0	141	0	137	0	320	0	320	0	-5	0	-2	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	33	0	28	0	55	0	56	0	0	0	0	0	141	0	159	118	140	0	158	119	150	0	154	143	136	0	142	126	0	0	0	0	0	0
200	45	0	40	0	57	0	54	0	0	0	0	0	133	0	141	129	134	0	142	128	138	0	140	138	129	0	128	129	0	0	0	0	0	0
300	40	0	34	0	63	0	65	0	0	0	0	0	129	0	152	104	129	0	147	104	145	0	152	140	131	0	138	126	0	0	0	0	0	0
400	36	0	30	0	37	0	39	0	0	0	0	0	133	0	148	124	132	0	146	122	147	0	160	140	134	0	147	126	0	0	0	0	0	0
500	49	0	42	0	67	0	69	0	0	0	0	0	131	0	142	119	130	0	144	117	147	0	151	142	133	0	137	130	0	0	0	0	0	0
600	56	0	53	0	87	0	89	0	0	0	0	0	131	0	151	118	132	0	165	104	146	0	152	134	132	0	139	121	0	0	0	0	0	0
700	58	0	52	0	90	0	91	0	0	0	0	0	133	0	169	120	134	0	163	118	148	0	156	139	134	0	141	125	0	0	0	0	0	0
800	61	0	55	0	116	0	118	0	0	0	0	0	143	0	167	123	142	0	176	106	160	0	167	146	147	0	154	133	0	0	0	0	0	0
900	65	0	61	0	112	0	114	0	0	0	0	0	140	0	160	120	138	0	171	116	158	0	169	139	144	0	155	130	0	0	0	0	0	0
1000	74	0	71	0	111	0	107	0	0	0	0	0	151	0	175	124	149	0	183	123	169	0	193	147	156	0	174	129	0	0	0	0	0	0
1100	80	0	74	0	130	0	126	0	0	0	0	0	149	0	179	119	149	0	185	115	167	0	188	143	156	0	176	139	0	0	0	0	0	0
1200	62	0	53	0	104	0	102	0	0	0	0	0	165	0	235	111	162	0	229	98	171	0	204	148	160	0	187	130	0	0	0	0	0	0
1300	64	0	56	0	100	0	91	0	0	0	0	0	168	0	219	118	165	0	267	98	178	0	206	149	165	0	191	138	0	0	0	0	0	0
1400	55	0	49	0	91	0	78	0	0	0	0	0	195	0	261	101	196	0	267	100	196	0	247	145	181	0	223	133	0	0	0	0	0	0
1500	56	0	46	0	76	0	67	0	0	0	0	0	180	0	268	99	180	0	238	103	182	0	212	132	171	0	194	99	0	0	0	0	0	0
1600	33	0	29	0	37	0	35	0	0	0	0	0	175	0	269	93	173	3	268	103	189	0	267	128	177	0	253	97	0	0	0	0	0	0
1700	26	0	20	0	45	0	43	0	0	0	0	0	176	3	265	93	179	3	243	92	181	0	205	147	169	0	203	130	0	0	0	0	0	0
1800	38	0	31	0	68	0	59	0	0	0	0	0	163	0	208	107	159	0	242	94	178	0	196	155	167	0	185	144	0	0	0	0	0	0
1900	60	0	54	0	95	0	98	0	0	0	0	0	152	0	200	122	150	0	194	97	166	0	186	150	153	0	169	136	0	0	0	0	0	0
2000	63	0	64	0	97	0	101	0	0	0	0	0	132	0	156	117	132	0	155	111	145	0	165	134	135	0	150	118	0	0	0	0	0	0
2100	52	0	49	0	93	0	98	0	0	0	0	0	140	0	163	127	140	0	173	118	154	0	169	144	143	0	155	136	0	0	0	0	0	0
2200	47	0	46	0	103	0	109	0	0	0	0	0	148	0	168	129	140	0	178	119	162	0	168	159	151	0	153	149	0	0	0	0	0	0
2300	66	0	62	0	108	0	111	0	0	0	0	0	127	0	137	117	128	0	140	107	142	0	153	132	132	0	141	124	0	0	0	0	0	0
2400	85	0	81	0	106	0	116	0	0	0	0	0	123	0	138	107	126	0	148	104	134	0	148	112	124	0	140	105	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PAIM	S
100	134	0	126	0	141	0	137	0	320	0	320	0	0	0	4	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	126	0	117	0	139	0	135	0	320	0	320	0	7	0	11	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	121	0	114	0	137	0	134	0	320	0	320	0	11	0	13	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	123	0	116	0	130	0	126	0	320	0	320	0	7	0	11	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	117	0	112	0	119	0	114	0	320	0	320	0	2	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	108	0	101	0	105	0	101	0	320	0	320	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	99	0	92	0	96	0	92	0	320	0	320	0	-2	0	2	0	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	85	0	78	0	85	0	80	0	320	0	320	0	2	0	4	0	0	0	0	0	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	85	0	78	0	80	0	74	0	320	0	320	0	-5	0	-2	0	0	0	0	0	-11	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	94	0	87	0	83	0	78	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	114	0	107	0	94	0	90	0	320	0	320	0	-20	0	-18	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	137	0	130	0	107	0	101	0	320	0	320	0	-32	0	-29	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	144	0	139	0	116	0	112	0	320	0	320	0	-31	0	-27	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	173	0	166	0	132	0	128	0	320	0	320	0	-45	0	-43	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	148	0	139	0	126	0	123	0	320	0	320	0	-25	0	-23	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	148	0	141	0	132	0	128	0	320	0	320	0	-20	0	-18	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	137	0	128	0	130	0	125	0	320	0	320	0	-13	0	-9	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	130	0	121	0	123	0	117	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-2	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	125	0	116	0	117	0	114	0	320	0	320	0	-7	0	-4	0	0	0	0	0	-6	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	114	0	107	0	107	0	103	0	320	0	320	0	-7	0	-4	0	0	0	0	0	723	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	105	0	96	0	103	0	98	0	320	0	320	0	-2	0	2	0	0	0	0	0	712	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	92	0	85	0	101	0	96	0	320	0	320	0	7	0	11	0	0	0	0	0	702	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	90	0	85	0	98	0	92	0	320	0	320	0	2	0	5	0	0	0	0	0	703	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	101	0	92	0	96	0	92	0	320	0	320	0	-9	0	-5	0	0	0	0	0	703	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	S	MIN	MAX	WIND DIR6	S
100	83	0	75	0	92	0	101	0	0	0	0	0	119	0	134	98	121	0	146	96	126	0	143	106	117	0	137	100	0	0	0	0	0	0
200	82	0	77	0	95	0	107	0	0	0	0	0	120	0	133	108	121	0	135	100	129	0	142	111	120	0	130	100	0	0	0	0	0	0
300	122	0	117	0	140	0	152	0	0	0	0	0	129	0	142	114	125	0	146	100	129	0	151	113	119	0	140	105	0	0	0	0	0	0
400	104	0	97	0	118	0	128	0	0	0	0	0	123	0	145	105	125	0	150	104	128	0	144	108	117	0	130	101	0	0	0	0	0	0
500	107	0	101	0	119	0	133	0	0	0	0	0	121	0	135	108	122	0	137	106	128	0	139	119	118	0	129	108	0	0	0	0	0	0
600	107	0	100	0	128	0	134	0	0	0	0	0	117	0	130	97	118	0	136	89	118	0	134	106	108	0	124	95	0	0	0	0	0	0
700	134	0	126	0	164	0	169	0	0	0	0	0	116	0	125	101	116	0	135	100	118	0	128	108	108	0	119	99	0	0	0	0	0	0
800	127	0	117	0	157	0	162	0	0	0	0	0	109	0	132	91	109	0	133	67	111	0	139	98	101	0	121	87	0	0	0	0	0	0
900	152	0	140	0	181	0	186	0	0	0	0	0	116	0	133	97	116	0	143	96	117	0	130	104	106	0	122	95	0	0	0	0	0	0
1000	167	0	160	0	196	0	207	0	0	0	0	0	122	0	132	110	124	0	139	109	127	0	143	114	117	0	129	105	0	0	0	0	0	0
1100	186	0	186	0	211	0	226	0	0	0	0	0	122	0	140	103	123	0	143	97	125	0	139	110	115	0	133	99	0	0	0	0	0	0
1200	170	0	163	0	194	0	199	0	0	0	0	0	118	0	131	106	118	0	138	91	120	0	135	103	110	0	124	95	0	0	0	0	0	0
1300	221	0	218	0	252	0	262	0	0	0	0	0	120	0	132	106	122	0	142	103	125	0	140	108	115	0	132	98	0	0	0	0	0	0
1400	224	0	217	0	253	0	265	0	0	0	0	0	119	0	137	109	121	0	143	90	120	0	136	103	111	0	124	84	0	0	0	0	0	0
1500	187	0	185	0	222	0	227	0	0	0	0	0	117	0	138	99	119	0	148	97	118	0	136	104	109	0	130	95	0	0	0	0	0	0
1600	167	0	160	0	201	0	209	0	0	0	0	0	112	0	127	98	113	0	140	85	116	0	130	102	107	0	124	88	0	0	0	0	0	0
1700	192	0	180	0	228	0	232	0	0	0	0	0	114	0	133	101	114	0	150	84	115	0	132	101	105	0	122	89	0	0	0	0	0	0
1800	206	0	198	0	251	0	256	0	0	0	0	0	115	0	126	99	116	0	149	85	117	0	136	103	107	0	123	93	0	0	0	0	0	0
1900	237	0	227	0	281	0	288	0	0	0	0	0	116	0	132	101	116	0	145	99	115	0	127	100	106	0	121	89	0	0	0	0	0	0
2000	231	0	215	0	287	0	290	0	0	0	0	0	111	0	122	95	112	0	134	78	112	0	128	101	102	0	121	92	0	0	0	0	0	0
2100	156	0	148	0	190	0	194	0	0	0	0	0	116	0	127	102	116	0	135	91	116	0	131	102	105	0	117	90	0	0	0	0	0	0
2200	150	0	139	0	179	0	183	0	0	0	0	0	117	0	134	101	117	0	141	84	118	0	134	106	109	0	130	95	0	0	0	0	0	0
2300	202	0	192	0	241	0	249	0	0	0	0	0	117	0	129	104	118	0	141	97	117	0	132	91	107	0	122	90	0	0	0	0	0	0
2400	193	0	186	0	221	0	231	0	0	0	0	0	119	0	134	98	121	0	138	99	122	0	140	102	112	0	126	91	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PRIM	S
100	112	0	103	0	105	0	101	0	320	0	320	0	-9	0	-5	0	0	0	0	0	712	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	108	0	101	0	103	0	98	0	320	0	320	0	-7	0	-5	0	0	0	0	0	716	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	114	0	105	0	103	0	99	0	320	0	320	0	-9	0	-7	0	0	0	0	0	720	2	0	0	0	0	0	0	0		0	0	0	0	131	0
400	112	0	105	0	103	0	99	0	320	0	320	0	-9	0	-7	0	0	0	0	0	720	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	108	0	101	0	99	0	96	0	320	0	320	0	-9	0	-5	0	0	0	0	0	720	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	107	0	99	0	98	0	92	0	320	0	320	0	-9	0	-5	0	0	0	0	0	720	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	103	0	96	0	96	0	90	0	320	0	320	0	-7	0	-4	0	0	0	0	0	450	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	103	0	96	0	94	0	90	0	320	0	320	0	-7	0	-5	0	0	0	0	0	67	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	101	0	94	0	92	0	89	0	320	0	320	0	-9	0	-7	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	114	0	105	0	105	0	101	0	320	0	320	0	-9	0	-7	0	0	0	0	0	78	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	120	0	119	0	123	0	119	0	320	0	320	0	-11	0	-9	0	0	0	0	0	85	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	141	0	134	0	139	0	135	0	320	0	320	0	-13	0	-9	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	159	0	150	0	152	0	148	0	320	0	320	0	-11	0	-9	0	0	0	0	0	96	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	166	0	159	0	161	0	155	0	320	0	320	0	-13	0	-9	0	0	0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	175	0	168	0	171	0	166	0	320	0	320	0	-11	0	-9	0	0	0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	173	0	166	0	175	0	170	0	320	0	320	0	-11	0	-7	0	0	0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	171	0	162	0	173	0	170	0	320	0	320	0	-9	0	-7	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	162	0	153	0	157	0	152	0	320	0	320	0	-9	0	-7	0	0	0	0	0	94	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	157	0	150	0	148	0	144	0	320	0	320	0	-9	0	-5	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	152	0	144	0	143	0	137	0	320	0	320	0	-7	0	-5	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	143	0	135	0	135	0	132	0	320	0	320	0	-7	0	-4	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	134	0	125	0	126	0	121	0	320	0	320	0	-7	0	-4	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	135	0	128	0	126	0	121	0	320	0	320	0	-9	0	-7	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	137	0	130	0	130	0	125	0	320	0	320	0	-9	0	-5	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S	
100	207	0	200	0	228	0	241	0	0	0	0	0	117	0	129	104	118	0	145	96	121	0	139	105	111	0	129	86	0	0	0	0	0	0
200	198	0	195	0	234	0	247	0	0	0	0	0	123	0	137	110	125	0	151	101	127	0	141	111	118	0	130	105	0	0	0	0	0	0
300	182	0	182	0	225	0	230	0	0	0	0	0	126	0	143	112	129	0	162	110	133	0	148	121	124	0	140	111	0	0	0	0	0	0
400	166	0	167	0	195	0	209	0	0	0	0	0	122	0	137	111	124	0	142	103	131	0	144	117	121	0	135	105	0	0	0	0	0	0
500	148	0	148	0	178	0	191	0	0	0	0	0	125	0	142	113	128	0	155	111	132	0	145	117	122	0	136	108	0	0	0	0	0	0
600	140	0	135	0	161	0	168	0	0	0	0	0	116	0	130	102	118	0	136	98	121	0	131	108	111	0	125	100	0	0	0	0	0	0
700	100	0	94	0	113	0	118	0	0	0	0	0	118	0	134	102	117	0	138	91	121	0	135	98	111	0	129	88	0	0	0	0	0	0
800	112	0	104	0	125	0	131	0	0	0	0	0	113	0	124	79	113	0	132	57	117	0	133	104	107	0	121	85	0	0	0	0	0	0
900	104	0	97	0	122	0	125	0	0	0	0	0	113	0	131	95	114	0	139	88	115	0	130	103	104	0	122	93	0	0	0	0	0	0
1000	102	0	95	0	119	0	121	0	0	0	0	0	109	0	126	91	108	0	134	77	108	0	122	91	97	0	[illegible]	78	0	0	0	0	0	0
1100	74	0	66	0	74	0	82	0	0	0	0	0	122	0	151	102	123	0	151	101	126	0	143	102	116	0	139	99	0	0	0	0	0	0
1200	80	0	73	0	78	0	84	0	0	0	0	0	123	0	143	108	124	0	146	94	126	0	139	107	116	0	139	97	0	0	0	0	0	0
1300	85	0	80	0	80	0	86	0	0	0	0	0	126	0	140	112	127	0	147	106	131	0	145	120	122	0	138	105	0	0	0	0	0	0
1400	47	0	41	0	43	0	46	0	0	0	0	0	120	0	153	89	119	0	158	90	133	0	162	108	124	0	153	98	0	0	0	0	0	0
1500	23	0	19	0	14	0	18	0	0	0	0	0	82	0	128	46	81	0	135	35	90	5	117	65	71	0	124	21	0	0	0	0	0	0
1600	21	0	15	0	13	0	17	0	0	0	0	0	97	0	132	50	98	0	124	38	96	5	113	87	87	0	139	53	0	0	0	0	0	0
1700	17	0	12	0	8	0	12	0	0	0	0	0	119	0	151	101	119	0	142	91	103	5	103	103	122	0	138	97	0	0	0	0	0	0
1800	21	0	14	0	7	0	11	0	0	0	0	0	118	0	130	102	118	5	131	97	103	5	105	102	94	0	124	28	0	0	0	0	0	0
1900	13	0	10	0	9	0	12	0	0	0	0	0	141	0	222	93	140	0	247	100	78	5	103	23	340	0	39	301	0	0	0	0	0	0
2000	22	0	17	0	34	0	34	0	0	0	0	0	54	3	176	282	48	3	104	276	2	0	56	319	347	0	64	298	0	0	0	0	0	0
2100	21	0	17	0	34	0	36	0	0	0	0	0	63	3	90	14	60	3	89	341	14	0	49	353	356	0	35	321	0	0	0	0	0	-
2200	42	0	35	0	46	0	57	0	0	0	0	0	86	0	106	74	85	0	116	81	87	0	77	55	53	0	64	38	0	0	0	0	0	0
2300	47	0	43	0	51	0	56	0	0	0	0	0	82	0	102	69	80	0	113	58	78	0	94	62	64	0	76	53	0	0	0	0	0	0
2400	50	0	44	0	50	0	52	0	0	0	0	0	91	0	116	75	89	0	115	63	86	0	100	74	71	0	90	59	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PAIN	S
100	148	0	141	0	137	0	134	0	320	0	320	0	-9	0	-7	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	153	0	144	0	143	0	137	0	320	0	320	0	-9	0	-7	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	157	0	150	0	146	0	143	0	320	0	320	0	-9	0	-7	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	162	0	153	0	155	0	152	0	320	0	320	0	-9	0	-7	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	159	0	152	0	152	0	146	0	320	0	320	0	-11	0	-7	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	152	0	143	0	143	0	139	0	320	0	320	0	-9	0	-7	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	155	0	146	0	144	0	139	0	320	0	320	0	-9	0	-7	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	157	0	150	0	146	0	143	0	320	0	320	0	-9	0	-7	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	159	0	150	0	148	0	143	0	320	0	320	0	-11	0	-7	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	164	0	157	0	152	0	148	0	320	0	320	0	-11	0	-9	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	177	0	170	0	162	0	159	0	320	0	320	0	-13	0	-11	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	182	0	175	0	182	0	179	0	320	0	320	0	-13	0	-9	0	0	0	0	0	29	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	189	0	182	0	188	0	184	0	320	0	320	0	-13	0	-11	0	0	0	0	0	35	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	218	0	215	0	206	0	204	0	320	0	320	0	-22	0	-22	0	0	0	0	0	296	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	218	0	211	0	216	0	213	0	320	0	320	0	-13	0	-11	0	0	0	0	0	281	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	216	0	209	0	222	0	218	0	320	0	320	0	-9	0	-9	0	0	0	0	0	327	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	209	0	202	0	218	0	215	0	320	0	320	0	-11	0	-9	0	0	0	0	0	315	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	208	0	197	0	211	0	207	0	320	0	320	0	-7	0	-5	0	0	0	0	0	314	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	206	0	198	0	218	0	215	0	320	0	320	0	-2	0	0	0	0	0	0	0	312	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	211	0	204	0	225	0	[illegible]	0	320	0	320	0	6	0	2	0	0	0	0	0	314	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	213	0	204	0	229	0	[illegible]		320	0	320	0	2	0	5	0	0	0	0	0	315	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	206	0	198	0	224	0	226	0	320	0	320	0	0	0	2	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	200	0	193	0	204	0	200	0	320	0	320	0	-9	0	-5	0	0	0	0	0	305	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	195	0	188	0	184	0	180	0	320	0	320	0	-11	0	-7	0	0	0	0	0	299	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	38	0	33	0	38	0	40	0	0	0	0	0	102	0	130	75	101	0	128	70	101	0	113	87	89	0	107	73	0	0	0	0	0	0
200	35	0	30	0	39	0	38	0	0	0	0	0	116	0	135	101	117	0	136	95	116	0	127	106	106	0	120	90	0	0	0	0	0	0
300	35	0	31	0	40	0	43	0	0	0	0	0	129	0	147	112	131	0	154	103	135	0	145	121	125	0	138	108	0	0	0	0	0	0
400	40	0	35	0	48	0	52	0	0	0	0	0	116	0	163	92	118	0	168	61	130	0	150	100	121	0	146	86	0	0	0	0	0	0
500	42	0	36	0	40	0	44	0	0	0	0	0	127	0	149	110	130	0	162	98	127	0	145	108	115	0	139	91	0	0	0	0	0	0
600	45	0	40	0	47	0	51	0	0	0	0	0	128	0	143	112	129	0	158	109	123	0	132	113	114	0	125	106	0	0	0	0	0	0
700	60	0	54	0	68	0	70	0	0	0	0	0	111	0	147	86	111	0	131	80	109	0	135	87	98	0	128	76	0	0	0	0	0	0
800	53	0	47	0	65	0	67	0	0	0	0	0	107	0	127	80	108	0	134	70	96	0	118	78	83	0	107	61	0	0	0	0	0	0
900	68	0	66	0	84	0	102	0	0	0	0	0	74	0	85	67	72	0	89	55	68	0	76	57	55	0	63	43	0	0	0	0	0	0
1000	67	0	70	0	73	0	85	0	0	0	0	0	62	0	96	31	58	0	102	22	56	0	86	29	44	0	85	14	0	0	0	0	0	0
1100	74	0	76	0	71	0	81	0	0	0	0	0	74	0	92	50	72	0	99	36	14	0	93	55	61	0	81	36	0	0	0	0	0	0
1200	63	0	59	0	63	0	69	0	0	0	0	0	59	0	112	19	56	0	96	0	49	0	87	344	33	0	75	332	0	0	0	0	0	0
1300	78	0	73	0	87	0	87	0	0	0	0	0	28	0	60	300	23	0	62	289	23	0	78	337	6	0	57	118	0	0	0	0	0	0
1400	82	0	80	0	86	0	90	0	0	0	0	0	37	0	86	343	33	0	100	335	30	0	73	324	14	0	50	319	0	0	0	0	0	0
1500	112	0	106	0	124	0	121	0	0	0	0	0	34	0	63	344	27	0	57	335	29	0	62	5	13	0	42	349	0	0	0	0	0	0
1600	108	0	100	0	124	0	122	0	0	0	0	0	30	0	60	348	24	0	56	338	20	0	53	347	9	0	38	337	0	0	0	0	0	0
1700	92	0	88	0	107	0	112	0	0	0	0	0	42	0	76	20	36	0	69	359	42	0	71	20	26	0	62	8	0	0	0	0	0	0
1800	83	0	87	0	104	0	121	0	0	0	0	0	61	0	78	37	56	0	78	23	57	0	73	41	42	0	67	20	0	0	0	0	0	0
1900	85	0	88	0	103	0	122	0	0	0	0	0	75	0	98	57	74	0	111	51	70	0	87	51	55	0	71	38	0	0	0	0	0	0
2000	74	0	72	0	107	0	125	0	0	0	0	0	77	0	94	57	75	0	101	47	73	0	87	55	58	0	75	40	0	0	0	0	0	0
2100	78	0	73	0	109	0	123	0	0	0	0	0	81	0	101	68	81	0	111	64	74	0	83	62	59	0	71	44	0	0	0	0	0	0
2200	98	0	90	0	143	0	144	0	0	0	0	0	88	0	99	77	85	0	110	67	82	0	90	77	67	0	73	62	0	0	0	0	0	0
2300	99	0	91	0	152	0	154	0	0	0	0	0	86	0	95	77	84	0	103	68	81	0	89	78	66	0	70	64	0	0	0	0	0	0
2400	98	0	90	0	143	0	154	0	0	0	0	0	81	0	98	71	79	0	99	60	77	0	83	69	62	0	70	53	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	191	0	184	0	184	0	180	0	320	0	320	0	-9	0	-7	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	189	0	182	0	191	0	188	0	320	0	320	0	-9	0	-7	0	0	0	0	0	296	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	189	0	182	0	204	0	200	0	320	0	320	0	-7	0	-5	0	0	0	0	0	292	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	191	0	184	0	207	0	204	0	320	0	320	0	-7	0	-4	0	0	0	0	0	292	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	189	0	182	0	206	0	202	0	320	0	320	0	-7	0	-5	0	0	0	0	0	287	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	189	0	182	0	207	0	204	0	320	0	320	0	-5	0	-4	0	0	0	0	0	287	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	189	0	182	0	204	0	200	0	320	0	320	0	-7	0	-5	0	0	0	0	0	285	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	188	0	179	0	206	0	202	0	320	0	320	0	2	0	2	0	0	0	0	0	283	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	189	0	175	0	207	0	204	0	320	0	320	0	0	0	4	0	0	0	0	0	283	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	213	0	206	0	222	0	220	0	320	0	320	0	-11	0	-9	0	0	0	0	0	294	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	197	0	191	0	208	0	204	0	320	0	320	0	-11	0	-11	0	0	0	0	0	281	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	209	0	202	0	218	0	215	0	320	0	320	0	-9	0	-7	0	0	0	0	0	283	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	215	0	209	0	229	0	225	0	320	0	320	0	-4	0	-4	0	0	0	0	0	269	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	207	0	202	0	224	0	222	0	320	0	320	0	-6	0	-4	0	0	0	0	0	267	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	204	0	197	0	216	0	213	0	320	0	320	0	-5	0	-4	0	0	0	0	0	263	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	204	0	197	0	215	0	211	0	320	0	320	0	-7	0	-7	0	0	0	0	0	265	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	197	0	189	0	206	0	204	0	320	0	320	0	-11	0	-9	0	0	0	0	0	263	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	182	0	173	0	195	0	191	0	320	0	320	0	-7	0	-5	0	0	0	0	0	254	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	166	0	157	0	184	0	180	0	320	0	320	0	-4	0	0	0	0	0	0	0	240	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	155	0	146	0	179	0	175	0	320	0	320	0	2	0	5	0	0	0	0	0	233	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	144	0	135	0	170	0	166	0	320	0	320	0	5	0	7	0	0	0	0	0	229	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	132	0	123	0	161	0	157	0	320	0	320	0	7	0	11	0	0	0	0	0	220	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	119	0	110	0	152	0	148	0	320	0	320	0	13	0	16	0	0	0	0	0	220	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	105	0	96	0	141	0	137	0	320	0	320	0	14	0	18	0	0	0	0	0	220	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	93	0	89	0	143	0	139	0	0	0	0	0	88	0	102	80	86	0	96	75	85	0	89	82	70	0	73	68	0	0	0	0	0	0	
200	90	0	80	0	132	0	129	0	0	0	0	0	89	0	99	80	82	0	88	75	89	0	87	79	69	0	73	69	0	0	0	0	0	0	
300	85	0	76	0	130	0	126	0	0	0	0	0	82	0	86	77	79	0	92	68	86	0	89	89	71	0	73	70	0	0	0	0	0	0	
400	92	0	81	0	118	0	118	0	0	0	0	0	87	0	98	81	89	0	95	75	91	0	96	87	77	0	83	73	0	0	0	0	0	0	
500	87	0	78	0	118	0	117	0	0	0	0	0	83	0	96	76	81	0	100	72	85	0	90	76	70	0	76	59	0	0	0	0	0	0	
600	87	0	78	0	116	0	116	0	0	0	0	0	88	0	95	81	88	0	95	73	92	0	97	82	78	0	83	67	0	0	0	0	0	0	
700	89	0	80	0	130	0	130	0	0	0	0	0	100	0	107	94	98	0	109	89	101	0	106	97	87	0	93	83	0	0	0	0	0	0	
800	91	0	84	0	128	0	132	0	0	0	0	0	112	0	120	102	112	0	121	100	116	0	121	111	104	0	110	98	0	0	0	0	0	0	
900	93	0	86	0	157	0	165	0	0	0	0	0	115	0	129	100	116	0	128	99	126	0	132	121	115	0	121	109	0	0	0	0	0	0	
1000	82	0	75	0	136	0	141	0	0	0	0	0	113	0	131	96	113	0	139	73	121	0	130	112	109	0	121	99	0	0	0	0	0	0	
1100	89	0	80	0	97	0	99	0	0	0	0	0	139	0	161	110	137	0	169	115	136	0	160	122	125	0	151	111	0	0	0	0	0	0	
1200	41	0	40	0	49	0	53	0	0	0	0	0	137	0	178	108	139	0	188	112	155	0	185	129	144	0	174	91	0	0	0	0	0	0	
1300	54	0	49	0	57	0	60	0	0	0	0	0	129	0	153	97	124	0	153	101	141	0	165	120	132	0	158	109	0	0	0	0	0	0	
1400	79	0	73	0	78	0	83	0	0	0	0	0	121	0	141	98	129	0	151	90	123	0	149	105	114	0	138	92	0	0	0	0	0	0	
1500	45	0	42	0	43	0	47	0	0	0	0	0	96	0	149	58	95	0	147	53	109	0	157	75	94	0	151	50	0	0	0	0	0	0	
1600	55	0	52	0	52	0	57	0	0	0	0	0	139	0	151	112	135	0	161	112	135	0	149	123	126	0	139	109	0	0	0	0	0	0	
1700	54	0	48	0	52	0	57	0	0	0	0	0	120	0	160	95	122	0	150	91	122	0	146	105	113	0	139	95	0	0	0	0	0	0	
1800	34	0	27	0	63	0	54	0	0	0	0	0	171	0	204	135	170	0	224	93	184	0	196	171	172	0	183	160	0	0	0	0	0	0	
1900	45	0	40	0	98	0	78	0	0	0	0	0	177	0	204	155	172	0	204	124	187	0	191	182	174	0	178	170	0	0	0	0	0	0	
2000	47	0	41	0	102	0	92	0	0	0	0	0	167	0	194	146	166	0	206	139	175	0	178	172	169	0	167	162	0	0	0	0	0	0	
2100	60	0	56	0	126	0	112	0	0	0	0	0	167	0	186	146	163	0	190	128	175	0	177	173	169	0	166	163	0	0	0	0	0	0	
2200	59	0	52	0	110	0	115	0	0	0	0	0	148	0	159	134	147	0	189	131	163	0	187	162	153	0	156	152	0	0	0	0	0	0	
2300	63	0	59	0	103	0	110	0	0	0	0	0	154	0	168	137	153	0	174	131	168	0	170	167	158	0	159	156	0	0	0	0	0	0	
2400	63	0	60	0	120	0	111	0	0	0	0	0	148	0	162	132	148	0	173	128	172	0	178	168	162	0	167	156	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	87	0	78	0	125	0	121	0	320	0	320	0	14	0	18	0	0	0	0	0	216	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	76	0	67	0	117	0	114	0	320	0	320	0	16	0	20	0	0	0	0	0	213	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	63	0	54	0	110	0	107	0	320	0	320	0	20	0	25	0	0	0	0	0	209	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	54	0	45	0	103	0	99	0	320	0	320	0	20	0	23	0	0	0	0	0	209	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	44	0	35	0	94	0	90	0	320	0	320	0	20	0	25	0	0	0	0	0	207	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	33	0	24	0	87	0	83	0	320	0	320	0	23	0	27	0	0	0	0	0	206	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	11	0	2	0	72	0	71	0	320	0	320	0	29	0	32	0	0	0	0	0	200	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	-2	0	-9	0	65	0	62	0	320	0	320	0	34	0	38	0	0	0	0	0	195	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	-6	0	-15	0	78	0	76	0	320	0	320	0	52	0	56	0	0	0	0	0	195	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	8	0	0	0	72	0	69	0	320	0	320	0	29	0	31	0	0	0	0	0	204	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	51	0	42	0	71	0	67	0	320	0	320	0	-11	0	-7	0	0	0	0	0	211	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	87	0	80	0	105	0	103	0	320	0	320	0	-11	0	-7	0	0	0	0	0	225	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	132	0	126	0	137	0	135	0	320	0	320	0	-22	0	-20	0	0	0	0	0	236	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	146	0	139	0	155	0	153	0	320	0	320	0	-16	0	-14	0	0	0	0	0	231	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	157	0	155	0	170	0	162	0	320	0	320	0	-13	0	-13	0	0	0	0	0	207	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	150	0	143	0	159	0	157	0	320	0	320	0	-14	0	-13	0	0	0	0	0	224	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	143	0	135	0	157	0	153	0	320	0	320	0	-11	0	-7	0	0	0	0	0	222	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	98	0	89	0	130	0	126	0	320	0	320	0	7	0	13	0	0	0	0	0	216	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	83	0	74	0	123	0	119	0	320	0	320	0	18	0	22	0	0	0	0	0	211	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	72	0	62	0	119	0	114	0	320	0	320	0	23	0	27	0	0	0	0	0	211	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	58	0	49	0	112	0	108	0	320	0	320	0	31	0	34	0	0	0	0	0	209	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	44	0	35	0	108	0	105	0	320	0	320	0	40	0	43	0	0	0	0	0	206	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	40	0	31	0	99	0	96	0	320	0	320	0	34	0	40	0	0	0	0	0	209	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	35	0	26	0	108	0	105	0	320	0	320	0	49	0	52	0	0	0	0	0	209	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	
														50 B	S		150A	S		150B	S			S			S		
100	74	0	68	0	144	0	148	0	0	0	0	0	150	0	166	133	150	0	172	122	170	0	174	168	160	0	163	157	0	0	0	0	0	0	1
200	74	0	70	0	161	0	169	0	0	0	0	0	145	0	169	130	145	0	168	121	168	0	170	165	157	0	160	152	0	0	0	0	0	0	0
300	58	0	50	0	130	0	120	0	0	0	0	0	151	0	173	128	148	0	172	125	172	0	175	170	162	0	164	160	0	0	0	0	0	0	0
400	73	0	67	0	142	0	148	0	0	0	0	0	137	0	151	127	139	0	165	120	167	0	169	164	157	0	159	152	0	0	0	0	0	0	0
500	74	0	67	0	124	0	130	0	0	0	0	0	132	0	138	125	133	0	141	124	162	0	166	157	152	0	156	146	0	0	0	0	0	0	0
600	73	0	67	0	137	0	144	0	0	0	0	0	142	0	150	133	145	0	156	120	168	0	171	166	156	0	161	156	0	0	0	0	0	0	0
700	73	0	64	0	128	0	106	0	0	0	0	0	153	0	164	132	148	0	169	120	175	0	179	170	165	0	167	160	0	0	0	0	0	0	0
800	72	0	66	0	136	0	106	0	0	0	0	0	163	0	188	129	159	0	198	119	187	0	199	179	175	0	181	172	0	0	0	0	0	0	0
900	56	0	46	0	128	0	99	0	0	0	0	0	176	0	205	139	173	0	218	126	194	0	206	176	182	0	193	166	0	0	0	0	0	0	0
1000	52	0	41	0	116	0	94	0	0	0	0	0	187	0	246	137	181	0	283	96	198	0	216	177	187	0	205	169	0	0	0	0	0	0	0
1100	43	0	33	0	62	0	53	0	0	0	0	0	205	0	265	109	208	0	269	106	205	0	239	164	193	0	220	160	0	0	0	0	0	0	0
1200	76	0	69	0	95	0	99	0	0	0	0	0	242	0	291	210	240	0	296	205	238	0	278	204	224	0	255	197	0	0	0	0	0	0	0
1300	107	0	103	0	125	0	134	0	0	0	0	0	246	0	270	221	243	0	273	204	243	0	263	204	228	0	247	196	0	0	0	0	0	0	0
1400	132	0	126	0	164	0	174	0	0	0	0	0	248	0	282	219	243	0	280	205	251	0	272	235	236	0	255	214	0	0	0	0	0	0	0
1500	113	0	108	0	150	0	160	0	0	0	0	0	256	0	282	227	251	0	284	208	255	0	283	238	241	0	271	223	0	0	0	0	0	0	0
1600	115	0	111	0	144	0	155	0	0	0	0	0	247	0	273	218	243	0	277	202	244	0	269	211	229	0	249	197	0	0	0	0	0	0	0
1700	88	0	69	0	111	0	102	0	0	0	0	0	219	0	252	168	214	0	256	159	217	0	238	199	204	0	223	178	0	0	0	0	0	0	0
1800	79	0	61	0	114	0	111	0	0	0	0	0	222	0	253	149	218	0	255	175	222	0	255	196	209	0	250	189	0	0	0	0	0	0	0
1900	122	0	111	0	158	0	167	0	0	0	0	0	240	0	268	211	235	0	265	192	239	0	272	198	225	0	266	194	0	0	0	0	0	0	0
2000	106	0	98	0	136	0	140	0	0	0	0	0	235	0	251	199	231	0	267	183	234	0	256	198	218	0	252	189	0	0	0	0	0	0	0
2100	113	0	104	0	158	0	167	0	0	0	0	0	239	0	262	199	234	0	269	194	237	0	266	210	223	0	256	188	0	0	0	0	0	0	0
2200	162	0	159	0	215	0	229	0	0	0	0	0	263	0	284	220	258	0	283	221	262	0	278	233	247	0	258	221	0	0	0	0	0	0	0
2300	173	0	171	0	196	0	207	0	0	0	0	0	267	0	295	245	262	0	300	231	270	0	290	247	255	0	271	225	0	0	0	0	0	0	0
2400	162	0	162	0	191	0	198	0	0	0	0	0	271	0	306	240	268	0	313	192	278	0	319	236	260	0	316	229	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	22	0	13	0	103	0	98	0	320	0	320	0	54	0	58	0	0	0	0	0	206	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	18	0	11	0	101	0	98	0	320	0	320	0	54	0	58	0	0	0	0	0	204	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	26	0	18	0	98	0	94	0	320	0	320	0	54	0	58	0	0	0	0	0	207	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	20	0	11	0	83	0	80	0	320	0	320	0	49	0	52	0	0	0	0	0	204	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	13	0	4	0	69	0	65	0	320	0	320	0	38	0	41	0	0	0	0	0	200	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	8	0	-2	0	76	0	72	0	320	0	320	0	47	0	50	0	0	0	0	0	197	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	8	0	0	0	78	0	72	0	320	0	320	0	45	0	49	0	0	0	0	0	197	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	8	0	0	0	78	0	74	0	320	0	320	0	40	0	43	0	0	0	0	0	197	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	24	0	17	0	80	0	74	0	320	0	320	0	20	0	23	0	0	0	0	0	204	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	62	0	54	0	87	0	81	0	320	0	320	0	-4	0	2	0	0	0	0	0	213	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	116	0	114	0	114	0	103	0	320	0	320	0	-20	0	-16	0	0	0	0	0	247	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	134	0	126	0	134	0	128	0	320	0	320	0	-13	0	-11	0	0	0	0	0	254	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1300	153	0	148	0	150	0	146	0	320	0	320	0	-14	0	-13	0	0	0	0	0	245	2	0	0	0	0	0	0	0	0	0	0	0	0	131	6
1400	171	0	162	0	164	0	161	0	320	0	320	0	-14	0	-11	0	0	0	0	0	263	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	184	0	177	0	177	0	173	0	320	0	320	0	-14	0	-11	0	0	0	0	0	267	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	188	0	179	0	184	0	179	0	320	0	320	0	-13	0	-9	0	0	0	0	0	267	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	180	0	173	0	184	0	180	0	320	0	320	0	-9	0	-7	0	0	0	0	0	265	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	180	0	173	0	180	0	177	0	320	0	320	0	-9	0	-5	0	0	0	0	0	263	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	189	0	182	0	186	0	182	0	320	0	320	0	-9	0	-5	0	0	0	0	0	270	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	186	0	179	0	182	0	179	0	320	0	320	0	-9	0	-7	0	0	0	0	0	272	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	188	0	180	0	182	0	179	0	320	0	320	0	-9	0	-7	0	0	0	0	0	272	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	206	0	198	0	204	0	200	0	320	0	320	0	-9	0	-7	0	0	0	0	0	279	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	213	0	206	0	218	0	213	0	320	0	320	0	-11	0	-9	0	0	0	0	0	276	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	211	0	204	0	215	0	211	0	320	0	320	0	-11	0	-9	0	0	0	0	0	274	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	157	0	152	0	170	0	178	0	0	0	0	0	275	0	306	238	271	0	311	234	283	0	316	254	266	0	296	228	0	0	0	0	0	0	0	0	0	0
200	117	0	112	0	129	0	138	0	0	0	0	0	276	0	320	231	271	0	317	220	281	0	332	248	265	0	302	235	0	0	0	0	0	0	0	0	0	0
300	143	0	138	0	148	0	156	0	0	0	0	0	267	0	296	239	263	0	303	230	275	0	301	246	257	0	276	229	0	0	0	0	0	0	0	0	0	0
400	131	0	125	0	143	0	149	0	0	0	0	0	273	0	314	244	268	0	323	218	279	0	311	261	259	0	293	235	0	0	0	0	0	0	0	0	0	0
500	120	0	116	0	140	0	146	0	0	0	0	0	265	0	299	244	260	0	303	223	273	0	310	253	254	0	284	240	0	0	0	0	0	0	0	0	0	0
600	105	0	98	0	119	0	126	0	0	0	0	0	274	0	313	227	268	0	315	195	275	0	312	246	258	0	299	228	0	0	0	0	0	0	0	0	0	0
700	113	0	107	0	123	0	129	0	0	0	0	0	267	0	294	237	261	0	300	220	278	0	326	248	260	0	297	226	0	0	0	0	0	0	0	0	0	0
800	135	0	122	0	151	0	157	0	0	0	0	0	297	0	315	279	289	0	327	256	301	0	319	283	283	0	297	266	0	0	0	0	0	0	0	0	0	0
900	123	0	115	0	137	0	146	0	0	0	0	0	287	0	315	241	279	0	306	220	291	0	320	241	273	0	297	239	0	0	0	0	0	0	0	0	0	0
1000	146	0	135	0	168	0	174	0	0	0	0	0	299	0	324	272	289	0	318	260	306	0	317	283	287	0	301	265	0	0	0	0	0	0	0	0	0	0
1100	139	0	130	0	161	0	169	0	0	0	0	0	296	0	319	262	287	0	325	242	301	0	323	267	283	0	302	264	0	0	0	0	0	0	0	0	0	0
1200	152	0	142	0	179	0	187	0	0	0	0	0	297	0	316	266	289	0	331	261	300	0	315	263	280	0	299	259	0	0	0	0	0	0	0	0	0	0
1300	157	0	150	0	182	0	188	0	0	0	0	0	305	0	321	285	298	0	327	268	311	0	322	301	290	0	300	279	0	0	0	0	0	0	0	0	0	0
1400	141	0	134	0	177	0	183	0	0	0	0	0	299	0	318	276	293	0	325	257	308	0	325	292	287	0	306	274	0	0	0	0	0	0	0	0	0	0
1500	119	0	113	0	138	0	142	0	0	0	0	0	301	0	324	280	295	0	320	263	310	0	333	288	290	0	313	267	0	0	0	0	0	0	0	0	0	0
1600	131	0	126	0	153	0	159	0	0	0	0	0	302	0	322	282	299	0	326	262	311	0	323	301	291	0	301	278	0	0	0	0	0	0	0	0	0	0
1700	109	0	100	0	134	0	137	0	0	0	0	0	313	0	350	281	306	0	350	262	322	0	0	300	301	0	330	264	0	0	0	0	0	0	0	0	0	0
1800	104	0	98	0	118	0	121	0	0	0	0	0	312	0	342	285	303	0	330	256	322	0	342	307	301	0	330	285	0	0	0	0	0	0	0	0	0	0
1900	111	0	100	0	125	0	128	0	0	0	0	0	305	0	335	274	298	0	324	259	310	0	326	260	289	0	309	255	0	0	0	0	0	0	0	0	0	0
2000	119	0	108	0	132	0	136	0	0	0	0	0	301	0	333	285	293	0	330	257	308	0	331	279	288	0	317	273	0	0	0	0	0	0	0	0	0	0
2100	115	0	105	0	127	0	134	0	0	0	0	0	300	0	327	267	292	0	324	264	303	0	324	269	283	0	306	244	0	0	0	0	0	0	0	0	0	0
2200	113	0	106	0	132	0	139	0	0	0	0	0	297	0	323	279	290	0	325	259	305	0	335	275	286	0	312	263	0	0	0	0	0	0	0	0	0	0
2300	120	0	115	0	142	0	144	0	0	0	0	0	318	0	341	276	311	0	331	282	325	0	337	300	305	0	324	280	0	0	0	0	0	0	0	0	0	0
2400	110	0	104	0	134	0	137	0	0	0	0	0	308	0	333	282	301	0	336	257	317	0	339	291	296	0	319	276	0	0	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	198	0	189	0	202	0	200	0	320	0	320	0	-11	0	-9	0	0	0	0	0	258	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	189	0	182	0	195	0	189	0	320	0	320	0	-11	0	-7	0	0	0	0	0	261	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	188	0	180	0	191	0	188	0	320	0	320	0	-11	0	-9	0	0	0	0	0	261	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	184	0	177	0	188	0	184	0	320	0	320	0	-11	0	-7	0	0	0	0	0	263	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	184	0	177	0	186	0	182	0	320	0	320	0	-11	0	-7	0	0	0	0	0	265	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	189	0	182	0	191	0	188	0	320	0	320	0	-9	0	-7	0	0	0	0	0	270	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	197	0	188	0	195	0	191	0	320	0	320	0	-9	0	-7	0	0	0	0	0	265	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	189	0	184	0	189	0	184	0	320	0	320	0	-11	0	-9	0	0	0	0	0	258	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	180	0	175	0	186	0	180	0	320	0	320	0	-11	0	-9	0	0	0	0	0	243	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	175	0	170	0	180	0	175	0	320	0	320	0	-11	0	-9	0	0	0	0	0	251	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	173	0	168	0	170	0	164	0	320	0	320	0	-14	0	-11	0	0	0	0	0	251	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	173	0	164	0	171	0	168	0	320	0	320	0	-14	0	-11	0	0	0	0	0	249	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	164	0	155	0	162	0	157	0	320	0	320	0	-14	0	-11	0	0	0	0	0	243	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	159	0	150	0	155	0	152	0	320	0	320	0	-14	0	-13	0	0	0	0	0	240	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	157	0	150	0	157	0	153	0	320	0	320	0	-14	0	-13	0	0	0	0	0	236	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	161	0	153	0	161	0	157	0	320	0	320	0	-14	0	-13	0	0	0	0	0	231	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	155	0	148	0	157	0	152	0	320	0	320	0	-11	0	-9	0	0	0	0	0	227	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	152	0	144	0	146	0	143	0	320	0	320	0	-11	0	-7	0	0	0	0	0	227	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	155	0	146	0	152	0	148	0	320	0	320	0	-9	0	-7	0	0	0	0	0	229	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	155	0	148	0	152	0	148	0	320	0	320	0	-9	0	-7	0	0	0	0	0	85	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	159	0	150	0	153	0	148	0	320	0	320	0	-11	0	-7	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	159	0	150	0	161	0	157	0	320	0	320	0	-11	0	-7	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	159	0	150	0	168	0	162	0	320	0	320	0	-11	0	-9	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	157	0	148	0	168	0	162	0	320	0	320	0	-11	0	-7	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	116	0	108	0	132	0	137	0	0	0	0	0	302	0	325	278	294	0	330	261	310	0	330	295	289	0	307	274	0	0	0	0	0	0
200	112	0	105	0	115	0	122	0	0	0	0	0	297	0	318	272	289	0	315	255	299	0	316	279	280	0	302	256	0	0	0	0	0	0
300	113	0	109	0	124	0	129	0	0	0	0	0	300	0	324	275	292	0	323	269	306	0	331	283	286	0	308	291	0	0	0	0	0	0
400	110	0	98	0	127	0	131	0	0	0	0	0	310	0	339	291	301	0	335	268	317	0	337	300	296	0	319	278	0	0	0	0	0	0
500	91	0	85	0	100	0	103	0	0	0	0	0	301	0	325	261	292	0	316	238	308	0	329	285	288	0	311	270	0	0	0	0	0	0
600	68	0	62	0	82	0	84	0	0	0	0	0	319	0	355	280	305	0	346	278	320	0	345	289	298	0	333	277	0	0	0	0	0	0
700	55	0	49	0	64	0	67	0	0	0	0	0	308	0	4	277	299	0	331	267	321	0	1	294	300	0	343	273	0	0	0	0	0	0
800	76	0	72	0	102	0	105	0	0	0	0	0	316	0	351	256	307	0	349	252	324	0	351	283	305	0	340	279	0	0	0	0	0	0
900	63	0	57	0	87	0	87	0	0	0	0	0	326	0	0	281	321	0	355	265	333	0	359	308	313	0	339	281	0	0	0	0	0	0
1000	99	0	94	0	121	0	122	0	0	0	0	0	315	0	347	279	304	0	343	261	322	0	349	304	301	0	326	289	0	0	0	0	0	0
1100	192	0	176	0	219	0	228	0	0	0	0	0	300	0	321	287	293	0	315	253	305	0	316	296	285	0	296	276	0	0	0	0	0	0
1200	162	0	151	0	185	0	192	0	0	0	0	0	293	0	316	255	286	0	312	245	299	0	320	274	279	0	297	233	0	0	0	0	0	0
1300	168	0	154	0	199	0	206	0	0	0	0	0	293	0	313	271	285	0	316	252	299	0	316	266	280	0	295	258	0	0	0	0	0	0
1400	169	0	160	0	192	0	200	0	0	0	0	0	294	0	311	276	287	0	321	265	300	0	319	266	281	0	296	261	0	0	0	0	0	0
1500	172	0	161	0	195	0	203	0	0	0	0	0	298	0	317	278	290	0	316	259	303	0	320	286	283	0	300	263	0	0	0	0	0	0
1600	132	0	122	0	153	0	161	0	0	0	0	0	299	0	328	287	291	0	333	252	303	0	325	298	283	0	301	217	0	0	0	0	0	0
1700	141	0	131	0	158	0	165	0	0	0	0	0	288	0	319	251	282	0	331	238	294	0	329	255	275	0	303	229	0	0	0	0	0	0
1800	120	0	114	0	127	0	138	0	0	0	0	0	291	0	327	254	284	0	324	237	291	0	321	255	273	0	302	233	0	0	0	0	0	0
1900	139	0	127	0	153	0	161	0	0	0	0	0	287	0	319	249	277	0	312	208	292	0	319	255	272	0	300	231	0	0	0	0	0	0
2000	158	0	148	0	183	0	188	0	0	0	0	0	294	0	317	243	285	0	317	230	298	0	319	274	278	0	295	243	0	0	0	0	0	0
2100	138	0	131	0	160	0	171	0	0	0	0	0	283	0	319	242	277	0	327	231	288	0	335	254	270	0	318	226	0	0	0	0	0	0
2200	145	0	145	0	165	0	178	0	0	0	0	0	286	0	324	249	279	0	334	230	291	0	319	261	273	0	306	244	0	0	0	0	0	0
2300	149	0	141	0	177	0	188	0	0	0	0	0	295	0	319	255	287	0	322	246	299	0	329	267	282	0	307	247	0	0	0	0	0	0
2400	150	0	137	0	180	0	187	0	0	0	0	0	297	0	324	255	289	0	325	244	302	0	320	261	282	0	310	241	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	155	0	146	0	159	0	153	0	320	0	320	0	-9	0	-7	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	153	0	146	0	152	0	148	0	320	0	320	0	-11	0	-7	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	152	0	149	0	146	0	143	0	320	0	320	0	-11	0	-7	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	152	0	149	0	148	0	149	0	320	0	320	0	-11	0	-7	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	155	0	146	0	152	0	146	0	320	0	320	0	-9	0	-7	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	153	0	146	0	152	0	146	0	320	0	320	0	-9	0	-7	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	155	0	148	0	150	0	148	0	320	0	320	0	-9	0	-7	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	157	0	148	0	155	0	150	0	320	0	320	0	-9	0	-7	0	0	0	0	0	-20	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	153	0	146	0	153	0	148	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-22	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	157	0	150	0	159	0	155	0	320	0	320	0	-9	0	-7	0	0	0	0	0	-20	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	146	0	141	0	149	0	139	0	320	0	320	0	-14	0	-11	0	0	0	0	0	-26	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	143	0	135	0	137	0	134	0	320	0	320	0	-14	0	-13	0	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	134	0	126	0	132	0	128	0	320	0	320	0	-14	0	-11	0	0	0	0	0	-27	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	121	0	112	0	114	0	110	0	320	0	320	0	-14	0	-13	0	0	0	0	0	-31	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	107	0	99	0	105	0	101	0	320	0	320	0	-13	0	-11	0	0	0	0	0	-36	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	98	0	90	0	105	0	99	0	320	0	320	0	-13	0	-9	0	0	0	0	0	-42	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	90	0	83	0	96	0	92	0	320	0	320	0	-13	0	-9	0	0	0	0	0	-47	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	80	0	72	0	80	0	74	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-53	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	76	0	67	0	72	0	69	0	320	0	320	0	-13	0	-9	0	0	0	0	0	-58	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	67	0	60	0	65	0	60	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-62	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	56	0	47	0	53	0	49	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-67	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	49	0	42	0	47	0	42	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-69	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	49	0	42	0	50	0	51	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-69	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	54	0	47	0	60	0	56	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-67	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	151	0	141	0	179	0	182	0	0	0	0	0	282	0	311	224	276	0	320	236	288	0	323	250	270	0	311	240	0	0	0	0	0	0
200	179	0	163	0	190	0	196	0	0	0	0	0	278	0	311	247	270	0	308	229	287	0	323	249	267	0	301	232	0	0	0	0	0	0
300	155	0	150	0	181	0	193	0	0	0	0	0	281	0	317	252	274	0	343	236	286	0	319	251	267	0	296	239	0	0	0	0	0	0
400	167	0	161	0	186	0	196	0	0	0	0	0	284	0	313	247	275	0	325	236	289	0	313	255	271	0	299	231	0	0	0	0	0	0
500	167	0	158	0	183	0	191	0	0	0	0	0	286	0	308	243	279	0	325	229	291	0	319	245	273	0	300	240	0	0	0	0	0	0
600	174	0	168	0	191	0	201	0	0	0	0	0	280	0	314	243	273	0	320	223	284	0	314	248	267	0	299	230	0	0	0	0	0	0
700	157	0	151	0	173	0	180	0	0	0	0	0	280	0	309	248	272	0	307	236	288	0	312	232	268	0	292	225	0	0	0	0	0	0
800	171	0	163	0	189	0	201	0	0	0	0	0	283	0	325	251	275	0	333	232	289	0	312	252	269	0	301	232	0	0	0	0	0	0
900	162	0	160	0	221	0	235	0	0	0	0	0	259	0	286	231	254	0	305	204	261	0	276	240	244	0	256	228	0	0	0	0	0	0
1000	136	0	121	0	178	0	188	0	0	0	0	0	233	0	264	205	228	0	267	192	235	0	252	208	219	0	235	198	0	0	0	0	0	0
1100	116	0	108	0	144	0	144	0	0	0	0	0	240	0	269	210	236	0	269	205	230	0	254	195	215	0	240	168	0	0	0	0	0	0
1200	137	0	132	0	173	0	181	0	0	0	0	0	242	0	269	217	238	0	279	204	241	0	267	211	225	0	247	196	0	0	0	0	0	0
1300	187	0	183	0	237	0	251	0	0	0	0	0	251	0	282	228	246	0	278	202	251	0	279	230	235	0	264	213	0	0	0	0	0	0
1400	189	0	187	0	239	0	251	0	0	0	0	0	251	0	278	219	247	0	300	207	252	0	278	234	235	0	259	218	0	0	0	0	0	0
1500	195	0	189	0	254	0	268	0	0	0	0	0	251	0	276	232	247	0	292	216	251	0	269	219	236	0	252	216	0	0	0	0	0	0
1600	178	0	174	0	225	0	236	0	0	0	0	0	250	0	275	213	245	0	271	202	251	0	263	237	234	0	256	210	0	0	0	0	0	0
1700	160	0	157	0	216	0	227	0	0	0	0	0	253	0	289	221	248	0	289	208	254	0	272	236	239	0	267	214	0	0	0	0	0	0
1800	107	0	95	0	141	0	143	0	0	0	0	0	232	0	263	193	229	0	263	184	227	0	252	203	211	0	235	184	0	0	0	0	0	0
1900	118	0	109	0	164	0	170	0	0	0	0	0	235	0	272	202	230	0	267	191	231	0	254	206	215	0	247	190	0	0	0	0	0	0
2000	98	0	0	2	172	0	0	2	0	2	0	2	250	0	0	0	0	2	0	0	235	0	0	0	0	2	0	0	0	2	0	0	0	2
2100	165	0	0	2	245	0	0	2	0	2	0	2	255	0	0	0	0	2	0	0	250	0	0	0	0	2	0	0	0	2	0	0	0	2
2200	198	0	0	2	280	0	0	2	0	2	0	2	275	0	0	0	0	2	0	0	255	0	0	0	0	2	0	0	0	2	0	0	0	2
2300	140	0	0	2	210	0	0	2	0	2	0	2	270	0	0	0	0	2	0	0	240	0	0	0	0	2	0	0	0	2	0	0	0	2
2400	215	0	0	2	305	0	0	2	0	2	0	2	280	0	0	0	0	2	0	0	266	0	0	0	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 160A	S	D.T. 2 160B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	54	0	45	0	58	0	54	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-67	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	45	0	38	0	42	0	36	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-71	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	45	0	39	0	49	0	38	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-71	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	49	0	40	0	47	0	42	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-69	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	47	0	38	0	45	0	40	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-69	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	49	0	42	0	49	0	44	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-69	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	54	0	45	0	54	0	51	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-63	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	58	0	49	0	60	0	56	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-63	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	40	0	31	0	49	0	38	0	320	0	320	0	-13	0	-9	0	0	0	0	0	-71	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	-2	0	-11	0	13	0	9	0	320	0	320	0	-7	0	-4	0	0	0	0	0	-80	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	18	0	11	0	11	0	6	0	320	0	320	0	-16	0	-13	0	0	0	0	0	-69	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	45	0	36	0	40	0	35	0	320	0	320	0	-16	0	-11	0	0	0	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	60	0	51	0	47	0	42	0	320	0	320	0	-18	0	-14	0	0	0	0	0	-58	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	67	0	58	0	54	0	49	0	320	0	320	0	-20	0	-16	0	0	0	0	0	-54	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	72	0	63	0	62	0	58	0	320	0	320	0	-16	0	-13	0	0	0	0	0	-54	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	74	0	65	0	67	0	63	0	320	0	320	0	-14	0	-11	0	0	0	0	0	-58	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	76	0	67	0	74	0	69	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-62	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	54	0	47	0	51	0	45	0	320	0	320	0	-9	0	-7	0	0	0	0	0	-69	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	29	0	22	0	26	0	22	0	320	0	320	0	-7	0	-4	0	0	0	0	0	-80	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	32	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	21	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	72	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	77	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	84	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 A	MAX S	WIND DIR2	MIN 150A	MAX S	WIND DIR3	MIN 150B	MAX S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6		
100	185	0	0	2	238	0	0	2	0	2	0	2	290	0	0	0	0	2	0	0	274	0	0	0	0	2	0	0	0	2
200	195	0	0	2	265	0	0	2	0	2	0	2	305	0	0	0	0	2	0	0	300	0	0	0	0	2	0	0	0	2
300	206	0	0	2	288	0	0	2	0	2	0	2	315	0	0	0	0	2	0	0	306	0	0	0	0	2	0	0	0	2
400	210	0	0	2	295	0	0	2	0	2	0	2	312	0	0	0	0	2	0	0	315	0	0	0	0	2	0	0	0	2
500	201	0	0	2	280	0	0	2	0	2	0	2	306	0	0	0	0	2	0	0	312	0	0	0	0	2	0	0	0	2
600	195	0	0	2	275	0	0	2	0	2	0	2	307	0	0	0	0	2	0	0	308	0	0	0	0	2	0	0	0	2
700	190	0	0	2	285	0	0	2	0	2	0	2	312	0	0	0	0	2	0	0	311	0	0	0	0	2	0	0	0	2
800	196	0	190	0	241	0	248	0	0	0	0	0	306	0	339	289	298	0	339	269	319	0	343	298	292	0	316	277	0	0
900	180	0	179	0	225	0	228	0	0	0	0	0	308	0	327	291	299	0	320	261	315	0	328	298	294	0	310	278	0	0
1000	179	0	165	0	206	0	213	0	0	0	0	0	296	0	318	280	289	0	316	253	302	0	318	279	281	0	294	253	0	0
1100	185	0	171	0	216	0	225	0	0	0	0	0	297	0	317	282	289	0	310	269	303	0	315	292	283	0	293	268	0	0
1200	183	0	171	0	200	0	207	0	0	0	0	0	297	0	318	262	290	0	321	259	301	0	319	275	280	0	296	254	0	0
1300	155	0	148	0	175	0	183	0	0	0	0	0	284	0	313	236	276	0	310	216	292	0	316	244	272	0	302	217	0	0
1400	148	0	141	0	168	0	177	0	0	0	0	0	279	0	307	253	273	0	325	243	283	0	316	254	267	0	301	233	0	0
1500	163	0	154	0	182	0	190	0	0	0	0	0	289	0	310	234	282	0	312	224	295	0	331	251	275	0	311	224	0	0
1600	161	0	154	0	175	0	185	0	0	0	0	0	289	0	312	237	283	0	306	226	276	0	303	232	259	0	292	229	0	0
1700	120	0	111	0	148	0	157	0	0	0	0	0	278	0	313	230	270	0	314	235	284	0	324	250	265	0	309	233	0	0
1800	117	0	106	0	134	0	138	0	0	0	0	0	283	0	319	250	274	0	318	229	286	0	345	236	267	0	305	220	0	0
1900	113	0	107	0	118	0	127	0	0	0	0	0	288	0	320	245	282	0	312	225	289	0	317	295	270	0	303	235	0	0
2000	132	0	127	0	153	0	163	0	0	0	0	0	260	0	290	231	254	0	286	228	261	0	312	212	244	0	290	207	0	0
2100	134	0	125	0	151	0	158	0	0	0	0	0	272	0	308	248	265	0	321	229	275	0	305	246	259	0	286	233	0	0
2200	144	0	143	0	159	0	164	0	0	0	0	0	271	0	302	239	269	0	326	219	280	0	316	255	262	0	299	228	0	0
2300	126	0	122	0	139	0	145	0	0	0	0	0	275	0	308	243	268	0	310	229	282	0	318	245	263	0	303	211	0	0
2400	133	0	130	0	142	0	149	0	0	0	0	0	266	0	292	245	259	0	311	211	275	0	309	254	258	0	309	234	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	93	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	90	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	100	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	75	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	57	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	41	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	34	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	22	0	13	0	18	0	15	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-90	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	18	0	9	0	20	0	17	0	320	0	320	0	-13	0	-9	0	0	0	0	0	-92	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	18	0	11	0	20	0	15	0	320	0	320	0	-13	0	-11	0	0	0	0	0	-94	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	17	0	8	0	15	0	9	0	320	0	320	0	-16	0	-13	0	0	0	0	0	-89	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	15	0	8	0	17	0	13	0	320	0	320	0	-14	0	-13	0	0	0	0	0	-90	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	13	0	6	0	9	0	8	0	320	0	320	0	-16	0	-13	0	0	0	0	0	-90	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	8	0	0	0	4	0	0	0	320	0	320	0	-14	0	-11	0	0	0	0	0	-92	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	0	0	-8	0	2	0	0	0	320	0	320	0	-13	0	-11	0	0	0	0	0	-96	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	0	0	-8	0	4	0	0	0	320	0	320	0	-13	0	-9	0	0	0	0	0	-98	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	0	0	-9	0	9	0	4	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-90	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	-4	0	-11	0	0	0	-4	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-94	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	-6	0	-13	0	-4	0	-9	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-96	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	-26	0	-36	0	-31	0	-36	0	320	0	320	0	-13	0	-9	0	0	0	0	0	-99	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	-22	0	-31	0	-26	0	-31	0	320	0	320	0	-9	0	-5	0	0	0	0	0	-105	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	-22	0	-31	0	-20	0	-26	0	320	0	320	0	-13	0	-9	0	0	0	0	0	-99	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	-20	0	-29	0	-9	0	-15	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-101	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	-20	0	-29	0	-15	0	-20	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-101	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	138	0	134	0	186	0	198	0	0	0	0	0	240	0	253	217	238	0	272	191	238	0	257	221	222	0	242	190	0	0	0	0	0	0
200	114	0	99	0	167	0	166	0	0	0	0	0	232	0	295	203	226	0	282	195	230	0	264	210	214	0	240	188	0	0	0	0	0	0
300	118	0	110	0	169	0	177	0	0	0	0	0	234	0	279	208	232	0	276	194	234	0	254	215	218	0	239	194	0	0	0	0	0	0
400	123	0	111	0	172	0	178	0	0	0	0	0	229	0	254	199	225	0	260	179	227	0	246	206	213	0	234	192	0	0	0	0	0	0
500	116	0	101	0	167	0	172	0	0	0	0	0	229	0	252	195	223	0	256	179	227	0	251	206	213	0	233	196	0	0	0	0	0	0
600	100	0	83	0	143	0	147	0	0	0	0	0	224	0	247	195	220	0	259	184	225	0	246	200	212	0	227	195	0	0	0	0	0	0
700	85	0	61	0	146	0	139	0	0	0	0	0	210	0	241	177	206	0	263	152	222	0	233	210	209	0	220	194	0	0	0	0	0	0
800	64	0	47	0	132	0	116	0	0	0	0	0	197	0	229	153	199	0	268	152	208	0	225	189	195	0	212	176	0	0	0	0	0	0
900	73	0	54	0	126	0	114	0	0	0	0	0	209	0	241	167	205	0	260	149	212	0	229	189	199	0	217	179	0	0	0	0	0	0
1000	86	0	66	0	119	0	111	0	0	0	0	0	218	0	251	172	214	0	262	167	218	0	253	195	204	0	230	179	0	0	0	0	0	0
1100	86	0	69	0	115	0	106	0	0	0	0	0	220	0	269	131	217	0	269	117	213	0	245	166	196	0	233	140	0	0	0	0	0	0
1200	67	0	52	0	105	0	90	0	0	0	0	0	199	0	253	123	194	0	251	110	197	0	233	153	184	0	221	134	0	0	0	0	0	0
1300	82	0	60	0	133	0	114	0	0	0	0	0	207	0	255	164	207	0	269	130	198	0	226	164	185	0	213	144	0	0	0	0	0	0
1400	92	0	72	0	146	0	125	0	0	0	0	0	200	0	268	95	194	0	252	94	194	0	218	129	183	0	211	141	0	0	0	0	0	0
1500	83	0	66	0	160	0	140	0	0	0	0	0	182	0	228	103	176	0	248	90	107	0	228	145	172	0	204	128	0	0	0	0	0	0
1600	121	0	109	0	200	0	177	0	0	0	0	0	175	0	254	90	171	0	224	112	184	0	223	153	172	0	200	144	0	0	0	0	0	0
1700	83	0	67	0	157	0	134	0	0	0	0	0	194	0	257	118	189	0	266	108	195	0	241	155	183	0	208	156	0	0	0	0	0	0
1800	88	0	67	0	136	0	118	0	0	0	0	0	211	0	261	150	205	0	259	105	205	0	241	173	193	0	223	173	0	0	0	0	0	0
1900	79	0	57	0	117	0	101	0	0	0	0	0	209	0	240	178	204	0	246	150	208	0	227	181	195	0	212	173	0	0	0	0	0	0
2000	61	0	46	0	131	0	114	0	0	0	0	0	204	0	249	140	202	0	250	148	202	0	211	187	190	0	200	173	0	0	0	0	0	0
2100	84	0	60	0	152	0	135	0	0	0	0	0	207	0	238	99	207	0	244	140	209	0	223	196	197	0	211	175	0	0	0	0	0	0
2200	93	0	69	0	160	0	142	0	0	0	0	0	210	0	242	181	206	0	236	170	209	0	222	188	197	0	211	174	0	0	0	0	0	0
2300	90	0	66	0	134	0	117	0	0	0	0	0	211	0	235	182	210	0	240	177	212	0	228	193	200	0	218	184	0	0	0	0	0	0
2400	94	0	72	0	145	0	130	0	0	0	0	0	216	0	244	178	213	0	243	181	217	0	246	201	204	0	231	186	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PAIN	S
100	-62	0	-71	0	-56	0	-62	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-114	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	-98	0	-105	0	-90	0	-98	0	320	0	320	0	-11	0	-7	0	0	0	0	0	-126	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	-114	0	-123	0	-105	0	-110	0	320	0	320	0	-9	0	-5	0	0	0	0	0	-134	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	-125	0	-135	0	-114	0	-119	0	320	0	320	0	-9	0	-5	0	0	0	0	0	-78	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	-135	0	-146	0	-126	0	-130	0	320	0	320	0	-5	0	0	0	0	0	0	0	-85	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	-146	0	-153	0	-134	0	-141	0	320	0	320	0	-5	0	0	0	0	0	0	0	-90	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	-171	0	-179	0	-134	0	-141	0	320	0	320	0	16	0	20	0	0	0	0	0	-99	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	-177	0	-186	0	-148	0	-155	0	320	0	320	0	5	0	9	0	0	0	0	0	-98	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	-161	0	-170	0	-135	0	-141	0	320	0	320	0	-5	0	2	0	0	0	0	0	-92	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	-121	0	-130	0	-117	0	-123	0	320	0	320	0	-14	0	-11	0	0	0	0	0	-76	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	-90	0	-99	0	-99	0	-105	0	320	0	320	0	-18	0	-14	0	0	0	0	0	-63	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	-56	0	-65	0	-81	0	-87	0	320	0	320	0	-27	0	-23	0	0	0	0	0	-53	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	-51	0	-58	0	-71	0	-76	0	320	0	320	0	-25	0	-22	0	0	0	0	0	-53	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	-17	0	-26	0	-44	0	-47	0	320	0	320	0	-34	0	-31	0	0	0	0	0	-40	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	-15	0	-24	0	-27	0	-31	0	320	0	320	0	-23	0	-22	0	0	0	0	0	-47	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	-8	0	-17	0	-11	0	-17	0	320	0	320	0	-18	0	-14	0	0	0	0	0	-99	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	0	0	-9	0	-2	0	-6	0	320	0	320	0	-14	0	-11	0	0	0	0	0	-99	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	-9	0	-17	0	-6	0	-11	0	320	0	320	0	-5	0	-2	0	0	0	0	0	-107	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	-11	0	-20	0	-9	0	-13	0	320	0	320	0	-4	0	0	0	0	0	0	0	-108	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	-20	0	-29	0	-9	0	-13	0	320	0	320	0	5	0	9	0	0	0	0	0	-110	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	-17	0	-26	0	-2	0	-8	0	320	0	320	0	7	0	11	0	0	0	0	0	-112	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	-9	0	-18	0	6	0	2	0	320	0	320	0	4	0	7	0	0	0	0	0	-108	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	-2	0	-9	0	-13	0	-9	0	320	0	320	0	0	0	2	0	0	0	0	0	-107	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	2	0	-4	0	24	0	18	0	320	0	320	0	2	0	2	0	0	0	0	0	-103	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0

STATUS CODE(S) DEFINITIONS = 0 =VALID; 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 4 =FLAT DIRECTION

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S		
100	101	0	84	0	151	0	143	0	0	0	0	0	223	0	247	186	218	0	254	162	221	0	247	193	209	0	233	187	0	0	0	0	0	0
200	109	0	89	0	142	0	140	0	0	0	0	0	223	0	267	184	219	0	264	174	223	0	255	207	211	0	239	191	0	0	0	0	0	0
300	75	0	55	0	130	0	117	0	0	0	0	0	208	0	248	155	207	0	268	152	211	0	227	185	198	0	218	174	0	0	0	0	0	0
400	75	0	56	0	140	0	125	0	0	0	0	0	205	0	249	168	202	0	245	153	209	0	225	193	197	0	211	180	0	0	0	0	0	0
500	70	0	51	0	123	0	111	0	0	0	0	0	204	0	235	178	199	0	248	160	214	0	233	190	203	0	220	175	0	0	0	0	0	0
600	81	0	57	0	138	0	122	0	0	0	0	0	210	0	239	175	207	0	251	165	211	0	227	196	199	0	212	183	0	0	0	0	0	0
700	63	0	46	0	124	0	110	0	0	0	0	0	193	0	224	136	190	0	228	130	206	0	219	185	194	0	212	172	0	0	0	0	0	0
800	52	0	38	0	107	0	93	0	0	0	0	0	197	0	248	149	193	0	253	134	204	0	221	188	192	0	208	175	0	0	0	0	0	0
900	47	0	36	0	91	0	78	0	0	0	0	0	187	0	225	118	188	0	240	132	199	0	218	185	186	0	205	170	0	0	0	0	0	0
1000	55	0	42	0	86	0	73	0	0	0	0	0	194	0	248	118	194	0	246	102	199	0	242	170	186	0	223	156	0	0	0	0	0	0
1100	69	0	56	0	111	0	97	0	0	0	0	0	183	0	261	95	182	0	262	107	191	0	227	157	178	0	221	141	0	0	0	0	0	0
1200	62	0	49	0	106	0	93	0	0	0	0	0	177	0	218	105	175	0	236	99	190	0	230	162	178	0	219	141	0	0	0	0	0	0
1300	85	0	72	0	141	0	122	0	0	0	0	0	174	0	236	104	176	0	238	111	182	0	204	140	170	0	194	123	0	0	0	0	0	0
1400	77	0	62	0	124	0	104	0	0	0	0	0	184	0	264	95	181	0	267	102	187	0	230	156	175	0	234	143	0	0	0	0	0	0
1500	83	0	70	0	130	0	116	0	0	0	0	0	184	0	263	123	178	0	250	90	187	0	219	150	174	0	197	139	0	0	0	0	0	0
1600	82	0	69	0	131	0	114	0	0	0	0	0	180	0	236	93	182	0	252	125	189	0	230	155	177	0	212	152	0	0	0	0	0	0
1700	78	0	69	0	125	0	112	0	0	0	0	0	170	0	225	127	170	0	238	115	182	0	220	157	169	0	190	145	0	0	0	0	0	0
1800	94	0	88	0	156	0	147	0	0	0	0	0	161	0	202	115	159	0	215	112	171	0	193	152	160	0	186	133	0	0	0	0	0	0
1900	96	0	87	0	162	0	149	0	0	0	0	0	170	0	238	132	168	0	230	125	176	0	211	154	164	0	194	139	0	0	0	0	0	0
2000	78	0	70	0	152	0	136	0	0	0	0	0	169	0	207	116	167	0	220	112	182	0	213	158	170	0	194	149	0	0	0	0	0	0
2100	74	0	62	0	138	0	119	0	0	0	0	0	178	0	233	121	177	0	228	98	186	0	210	162	173	0	192	136	0	0	0	0	0	0
2200	73	0	63	0	134	0	114	0	0	0	0	0	182	0	227	120	170	0	229	109	190	0	220	167	178	0	223	152	0	0	0	0	0	0
2300	70	0	54	0	139	0	119	0	0	0	0	0	197	0	237	152	195	0	250	120	197	0	222	167	184	0	207	150	0	0	0	0	0	0
2400	104	0	81	0	158	0	136	0	0	0	0	0	211	0	254	155	207	0	254	151	209	0	239	177	194	0	212	170	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	18	0	9	0	33	0	29	0	320	0	320	0	-4	0	2	0	0	0	0	0	-99	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	29	0	20	0	47	0	42	0	320	0	320	0	-5	0	-2	0	0	0	0	0	-94	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	20	0	11	0	40	0	35	0	320	0	320	0	2	0	2	0	0	0	0	0	-85	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	6	0	-2	0	27	0	22	0	320	0	320	0	5	0	9	0	0	0	0	0	-90	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	15	0	6	0	40	0	36	0	320	0	320	0	7	0	11	0	0	0	0	0	-89	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	18	0	9	0	42	0	36	0	320	0	320	0	5	0	9	0	0	0	0	0	-89	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	26	0	17	0	56	0	53	0	320	0	320	0	13	0	14	0	0	0	0	0	-83	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	54	0	45	0	78	0	74	0	320	0	320	0	0	0	4	0	0	0	0	0	-74	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	83	0	76	0	101	0	98	0	320	0	320	0	-9	0	-5	0	0	0	0	0	-63	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	116	0	108	0	121	0	117	0	320	0	320	0	-18	0	-16	0	0	0	0	0	-51	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	135	0	126	0	134	0	130	0	320	0	320	0	-22	0	-20	0	0	0	0	0	-44	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	159	0	150	0	153	0	148	0	320	0	320	0	-27	0	-23	0	0	0	0	0	-35	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	161	0	152	0	159	0	157	0	320	0	320	0	-20	0	-18	0	0	0	0	0	-38	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	191	0	184	0	180	0	177	0	320	0	320	0	-27	0	-25	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	195	0	188	0	189	0	186	0	320	0	320	0	-22	0	-20	0	0	0	0	0	-51	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	202	0	193	0	195	0	191	0	320	0	320	0	-23	0	-22	0	0	0	0	0	-49	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	195	0	186	0	200	0	197	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-54	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	175	0	166	0	182	0	179	0	320	0	320	0	-5	0	-4	0	0	0	0	0	-65	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	164	0	155	0	171	0	166	0	320	0	320	0	-5	0	2	0	0	0	0	0	-69	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	164	0	157	0	180	0	175	0	320	0	320	0	0	0	4	0	0	0	0	0	-69	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	168	0	161	0	182	0	177	0	320	0	320	0	0	0	2	0	0	0	0	0	-67	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2200	177	0	168	0	193	0	188	0	320	0	320	0	2	0	5	0	0	0	0	0	-65	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	182	0	175	0	200	0	197	0	320	0	320	0	2	0	5	0	0	0	0	0	-62	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	202	0	195	0	218	0	211	0	320	0	320	0	-4	0	0	0	0	0	0	0	-54	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	80	0	61	0	129	0	113	0	0	0	0	0	208	0	246	137	207	0	254	146	207	0	230	179	196	0	223	165	0	0	0	0	0	0
200	73	0	59	0	116	0	102	0	0	0	0	0	205	0	239	162	201	0	248	148	208	0	225	188	196	0	212	176	0	0	0	0	0	0
300	57	0	40	0	103	0	87	0	0	0	0	0	193	0	266	142	188	0	262	117	196	0	221	153	183	0	212	140	0	0	0	0	0	0
400	55	0	44	0	113	0	85	0	0	0	0	0	185	0	215	146	187	0	252	122	195	0	200	185	182	0	190	175	0	0	0	0	0	0
500	61	0	55	0	115	0	106	0	0	0	0	0	142	0	180	118	140	0	191	114	173	0	193	154	164	0	183	139	0	0	0	0	0	0
600	58	0	52	0	123	0	112	0	0	0	0	0	150	0	183	121	148	0	193	118	175	0	193	158	163	0	189	140	0	0	0	0	0	0
700	59	0	51	0	97	0	99	0	0	0	0	0	139	0	173	111	138	0	178	110	162	0	181	139	151	0	167	133	0	0	0	0	0	0
800	67	0	61	0	109	0	110	0	0	0	0	0	148	0	174	123	147	0	180	108	162	0	175	149	152	0	166	132	0	0	0	0	0	0
900	87	0	81	0	133	0	138	0	0	0	0	0	145	0	170	128	143	0	172	118	157	0	172	142	148	0	160	130	0	0	0	0	0	0
1000	81	0	80	0	133	0	136	0	0	0	0	0	145	0	181	119	145	0	207	113	157	0	184	131	147	0	172	119	0	0	0	0	0	0
1100	100	0	102	0	154	0	161	0	0	0	0	0	142	0	170	116	141	0	177	99	155	0	184	138	145	0	178	125	0	0	0	0	0	0
1200	119	0	114	0	197	0	193	0	0	0	0	0	158	0	191	130	156	0	203	94	167	0	198	139	157	0	182	129	0	0	0	0	0	0
1300	114	0	108	0	174	0	176	0	0	0	0	0	150	0	173	125	148	0	182	104	161	0	182	133	150	0	170	126	0	0	0	0	0	0
1400	139	0	144	0	224	0	221	0	0	0	0	0	156	0	192	126	157	0	218	102	169	0	196	142	158	0	176	123	0	0	0	0	0	0
1500	129	0	131	0	206	0	7	2	0	0	0	0	160	0	238	120	162	0	224	117	171	0	201	150	159	0	183	143	0	0	0	0	0	0
1600	111	0	113	0	207	0	7	2	0	0	0	0	162	0	202	113	160	0	225	105	174	0	199	146	162	0	194	137	0	0	0	0	0	0
1700	80	0	81	0	152	0	0	2	0	0	0	0	170	0	236	128	171	0	253	109	182	0	214	153	168	0	187	149	0	0	0	0	0	0
1800	76	0	79	0	136	0	0	2	0	0	0	0	171	0	216	119	169	0	225	92	181	0	208	150	168	0	201	132	0	0	0	0	0	0
1900	82	0	79	0	151	0	0	2	0	0	0	0	169	0	208	124	167	0	245	112	180	0	201	149	166	0	188	124	0	0	0	0	0	0
2000	82	0	77	0	147	0	0	2	0	0	0	0	181	0	232	109	181	0	234	99	191	0	219	167	177	0	202	153	0	0	0	0	0	0
2100	84	0	72	0	130	0	0	2	0	0	0	0	210	0	265	167	206	0	264	136	208	0	245	184	193	0	220	170	0	0	0	0	0	0
2200	61	0	57	0	103	0	0	2	0	0	0	0	218	0	260	170	217	0	289	143	214	0	248	173	198	0	225	170	0	0	0	0	0	0
2300	76	0	67	0	97	0	0	2	0	0	0	0	219	0	267	170	222	0	288	189	212	0	258	164	198	0	236	173	0	0	0	0	0	0
2400	81	0	79	0	108	0	0	2	0	0	0	0	230	0	272	203	230	0	275	190	231	0	251	198	215	0	236	195	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	200	0	193	0	215	0	211	0	320	0	320	0	-2	0	0	0	0	0	0	0	-54	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	197	0	189	0	215	0	211	0	320	0	320	0	2	0	5	0	0	0	0	0	-54	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	171	0	164	0	191	0	188	0	320	0	320	0	2	0	5	0	0	0	0	0	-62	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
400	164	0	155	0	189	0	186	0	320	0	320	0	11	0	13	0	0	0	0	0	-65	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	153	0	144	0	193	0	189	0	320	0	320	0	23	0	27	0	0	0	0	0	-67	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
600	173	0	166	0	204	0	200	0	320	0	320	0	20	0	22	0	0	0	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	213	0	206	0	218	0	213	0	320	0	320	0	2	0	2	0	0	0	0	0	-45	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	220	0	213	0	218	0	213	0	320	0	320	0	-4	0	2	0	0	0	0	0	-42	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	231	0	224	0	231	0	227	0	320	0	320	0	-7	0	-4	0	0	0	0	0	-38	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	242	0	234	0	243	0	240	0	320	0	320	0	-9	0	-7	0	0	0	0	0	-33	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	258	0	251	0	252	0	247	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-27	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	254	0	245	0	254	0	249	0	320	0	320	0	-9	0	-7	0	0	0	0	0	-26	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	270	0	263	0	261	0	258	0	320	0	320	0	-16	0	-14	0	0	0	0	0	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	288	0	281	0	276	0	270	0	320	0	320	0	-13	0	-11	0	0	0	0	0	-17	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1500	294	0	287	0	285	0	279	0	320	0	320	0	-11	0	-9	0	0	0	0	0	-15	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1600	303	0	296	0	292	0	288	0	320	0	320	0	-9	0	-7	0	0	0	0	0	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1700	305	0	297	0	296	0	290	0	320	0	320	0	-9	0	-7	0	0	0	0	0	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1800	306	0	299	0	299	0	296	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1900	312	0	305	0	305	0	299	0	320	0	320	0	-7	0	-4	0	0	0	0	0	-8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2000	320	0	310	0	312	0	306	0	320	0	320	0	-7	0	-4	0	0	0	0	0	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2100	320	0	312	0	312	0	308	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	1	131	0
2200	317	0	310	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2300	322	0	310	0	310	0	306	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
2400	322	0	310	0	308	0	305	0	320	0	320	0	-7	0	-7	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0

STATUS CODE(S) DEFINITIONS = 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .03 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	98	0	101	0	130	0	0	2	0	0	0	0	241	0	265	212	240	0	276	196	244	0	269	219	227	0	249	203	0	0	0	0	0	0
200	124	0	130	0	156	0	0	2	0	0	0	0	247	0	266	224	246	0	288	224	248	0	259	234	232	0	242	214	0	0	0	0	0	0
300	103	0	107	0	137	0	0	2	0	0	0	0	241	0	267	206	241	0	276	184	244	0	271	224	226	0	251	207	0	0	0	0	0	0
400	88	0	91	0	125	0	0	2	0	0	0	0	240	0	268	206	238	0	272	208	244	0	259	226	226	0	247	207	0	0	0	0	0	0
500	91	0	94	0	126	0	0	2	0	0	0	0	239	0	266	211	237	0	275	209	239	0	254	218	222	0	236	202	0	0	0	0	0	0
600	75	0	77	0	108	0	0	2	0	0	0	0	234	0	279	190	234	0	276	181	232	0	262	204	215	0	244	186	0	0	0	0	0	0
700	98	0	99	0	136	0	0	2	0	0	0	0	238	0	275	198	235	0	281	180	238	0	260	203	223	0	248	190	0	0	0	0	0	0
800	117	0	121	0	158	0	0	2	0	0	0	0	245	0	273	220	244	0	288	212	245	0	266	221	228	0	261	203	0	0	0	0	0	0
900	143	0	155	0	189	0	0	2	0	0	0	0	244	0	268	213	243	0	275	208	244	0	263	213	229	0	247	205	0	0	0	0	0	0
1000	143	0	148	0	191	0	0	2	0	0	0	0	249	0	274	225	247	0	281	205	254	0	261	238	237	0	247	223	0	0	0	0	0	0
1100	140	0	144	0	181	0	0	2	0	0	0	0	246	0	261	229	246	0	277	219	249	0	266	212	231	0	247	208	0	0	0	0	0	0
1200	126	0	137	0	155	0	0	2	0	0	0	0	248	0	269	227	245	0	268	219	247	0	269	225	230	0	249	208	0	0	0	0	0	0
1300	99	0	94	0	142	0	0	2	0	0	0	0	233	0	278	191	230	0	272	193	232	0	262	192	216	0	246	191	0	0	0	0	0	0
1400	94	0	86	0	141	0	0	2	0	0	0	0	213	0	257	144	213	0	269	150	209	0	252	175	194	0	232	160	0	0	0	0	0	0
1500	130	0	118	0	188	0	165	0	0	0	0	0	221	0	266	169	220	0	260	175	219	0	244	172	204	0	230	172	0	0	0	0	0	0
1600	116	0	108	0	169	0	154	0	0	0	0	0	222	0	252	114	222	0	267	162	221	0	254	172	206	0	252	159	0	0	0	0	0	0
1700	126	0	110	0	183	0	167	0	0	0	0	0	221	0	252	180	219	0	254	168	218	0	261	176	204	0	240	175	0	0	0	0	0	0
1800	123	0	112	0	179	0	172	0	0	0	0	0	223	0	265	174	221	0	261	177	225	0	263	198	210	0	246	190	0	0	0	0	0	0
1900	107	0	103	0	160	0	156	0	0	0	0	0	227	0	264	187	226	0	269	179	225	0	248	181	210	0	229	171	0	0	0	0	0	0
2000	132	0	116	0	196	0	189	0	0	0	0	0	223	0	261	190	222	0	286	181	224	0	249	193	209	0	243	177	0	0	0	0	0	0
2100	118	0	110	0	178	0	163	0	0	0	0	0	225	0	253	195	224	0	266	184	221	0	248	191	206	0	247	172	0	0	0	0	0	0
2200	135	0	136	0	212	0	220	0	0	0	0	0	238	0	271	206	237	0	273	193	237	0	269	193	221	0	247	190	0	0	0	0	0	0
2300	150	0	153	0	220	0	233	0	0	0	0	0	241	0	268	216	240	0	268	202	241	0	259	221	224	0	243	200	0	0	0	0	0	0
2400	211	0	219	0	294	0	311	0	0	0	0	0	247	0	266	228	245	0	270	216	248	0	282	217	232	0	258	214	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	315	0	308	0	308	0	303	0	320	0	320	0	-9	0	-7	0	0	0	0	0	-13	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
200	314	0	305	0	305	0	301	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-11	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
300	312	0	305	0	305	0	301	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
400	312	0	305	0	305	0	301	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
500	312	0	305	0	305	0	301	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-8	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
600	314	0	305	0	305	0	301	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
700	314	0	306	0	305	0	301	0	320	0	320	0	-7	0	-5	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
800	317	0	310	0	310	0	303	0	320	0	320	0	-7	0	-7	0	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
900	320	0	312	0	310	0	305	0	320	0	320	0	-9	0	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1000	315	0	308	0	305	0	299	0	320	0	320	0	-11	0	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1100	320	0	314	0	310	0	301	0	320	0	320	0	-14	0	-13	0	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1200	329	0	315	0	310	0	303	0	320	0	320	0	-14	0	-13	0	0	0	0	0	-9	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1300	349	0	340	0	324	0	317	0	320	0	320	0	-27	0	-23	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	131	0
1400	363	0	356	0	334	0	329	0	320	0	320	0	-29	0	-27	0	0	0	0	0	12	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1500	358	0	349	0	336	0	331	0	320	0	320	0	-22	0	-20	0	0	0	0	0	331	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1600	356	0	347	0	338	0	333	0	320	0	320	0	-18	0	-14	0	0	0	0	0	327	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1700	342	0	333	0	329	0	324	0	320	0	320	0	-13	0	-9	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1800	325	0	317	0	317	0	312	0	320	0	320	0	-7	0	-5	0	0	0	0	0	331	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1900	315	0	308	0	310	0	305	0	320	0	320	0	-5	0	-4	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2000	320	0	312	0	314	0	308	0	320	0	320	0	-4	0	-2	0	0	0	0	0	334	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2100	322	0	314	0	315	0	310	0	320	0	320	0	-5	0	-4	0	0	0	0	0	334	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2200	320	0	312	0	314	0	308	0	320	0	320	0	-5	0	-4	0	0	0	0	0	334	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2300	327	0	320	0	320	0	315	0	320	0	320	0	-5	0	-4	0	0	0	0	0	336	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2400	331	0	324	0	325	0	320	0	320	0	320	0	-5	0	-4	0	0	0	0	0	338	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	178	0	189	0	274	0	289	0	0	0	0	0	262	0	282	235	258	0	283	230	267	0	278	252	250	0	259	238	0	0	0	0	0	0
200	211	0	217	0	245	0	255	0	0	0	0	0	270	0	287	254	267	0	290	238	278	0	292	254	260	0	270	235	0	0	0	0	0	0
300	153	0	159	0	184	0	196	0	0	0	0	0	274	0	299	254	269	0	311	238	284	0	315	249	268	0	302	239	0	0	0	0	0	0
400	127	0	135	0	159	0	170	0	0	0	0	0	281	0	315	246	278	0	320	237	292	0	332	255	270	0	307	236	0	0	0	0	0	0
500	127	0	134	0	186	0	195	0	0	0	0	0	265	0	287	243	263	0	298	237	273	0	286	265	255	0	276	247	0	0	0	0	0	0
600	132	0	137	0	225	0	238	0	0	0	0	0	260	0	278	230	258	0	292	222	265	0	279	254	248	0	264	235	0	0	0	0	0	0
700	135	0	141	0	215	0	227	0	0	0	0	0	259	0	284	243	255	0	292	214	260	0	277	244	244	0	261	228	0	0	0	0	0	0
800	129	0	135	0	203	0	213	0	0	0	0	0	255	0	278	233	253	0	283	222	260	0	271	247	243	0	255	231	0	0	0	0	0	0
900	125	0	137	0	193	0	203	0	0	0	0	0	262	0	282	243	258	0	298	227	268	0	280	254	252	0	265	236	0	0	0	0	0	0
1000	148	0	155	0	169	0	174	0	0	0	0	0	266	0	286	251	263	0	280	247	278	0	302	259	260	0	280	240	0	0	0	0	0	0
1100	112	0	122	0	178	0	191	0	0	0	0	0	262	0	288	233	259	0	294	222	264	0	289	237	247	0	262	213	0	0	0	0	0	0
1200	119	0	125	0	170	0	178	0	0	0	0	0	250	0	290	224	248	0	275	210	256	0	270	246	239	0	253	225	0	0	0	0	0	0
1300	105	0	113	0	159	0	166	0	0	0	0	0	256	0	298	231	254	0	292	217	261	0	275	243	245	0	257	225	0	0	0	0	0	0
1400	125	0	129	0	173	0	187	0	0	0	0	0	249	0	274	218	246	0	275	210	256	0	264	249	240	0	248	232	0	0	0	0	0	0
1500	107	0	112	0	178	0	186	0	0	0	0	0	249	0	267	226	247	0	277	212	256	0	261	251	241	0	244	236	0	0	0	0	0	0
1600	124	0	130	0	198	0	207	0	0	0	0	0	245	0	272	221	243	0	271	208	253	0	261	243	237	0	245	226	0	0	0	0	0	0
1700	73	0	74	0	174	0	155	0	0	0	0	0	236	0	277	210	232	0	272	180	245	0	275	219	227	0	244	200	0	0	0	0	0	0
1800	41	0	39	0	75	0	64	0	0	0	0	0	193	0	245	146	193	0	244	126	203	0	227	180	188	0	214	166	0	0	0	0	0	0
1900	53	0	47	0	96	0	84	0	0	0	0	0	207	0	253	148	206	0	258	158	208	0	226	187	192	0	210	171	0	0	0	0	0	0
2000	53	0	50	0	81	0	77	0	0	0	0	0	221	0	244	198	220	0	250	183	223	0	253	205	208	0	232	189	0	0	0	0	0	0
2100	66	0	68	0	101	0	106	0	0	0	0	0	236	0	260	215	234	0	266	205	242	0	252	227	225	0	235	209	0	0	0	0	0	0
2200	69	0	61	0	110	0	103	0	0	0	0	0	216	0	257	174	214	0	269	154	222	0	243	200	206	0	221	181	0	0	0	0	0	0
2300	65	0	55	0	132	0	116	0	0	0	0	0	204	0	260	170	204	0	253	158	206	0	219	190	192	0	204	180	0	0	0	0	0	0
2400	66	0	58	0	117	0	102	0	0	0	0	0	203	0	235	140	202	0	245	152	208	0	231	185	194	0	214	169	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	329	0	322	0	324	0	320	0	320	0	320	0	-5	0	-4	0	0	0	0	0	342	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
200	336	0	329	0	329	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
300	336	0	329	0	329	0	324	0	320	0	320	0	-7	0	-7	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
400	334	0	327	0	327	0	322	0	320	0	320	0	-7	0	-7	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
500	325	0	322	0	325	0	320	0	320	0	320	0	0	0	2	0	0	0	0	0	342	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
600	314	0	306	0	314	0	308	0	320	0	320	0	0	0	2	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
700	308	0	301	0	306	0	301	0	320	0	320	0	-2	0	0	0	0	0	0	0	357	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
800	301	0	294	0	29	0	292	0	320	0	320	0	-6	0	2	0	0	0	0	0	371	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
900	299	0	292	0	294	0	288	0	320	0	320	0	-5	0	-4	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1000	322	0	315	0	314	0	310	0	320	0	320	0	-7	0	-5	0	0	0	0	0	442	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1100	329	0	322	0	314	0	310	0	320	0	320	0	-14	0	-11	0	0	0	0	0	487	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1200	315	0	308	0	299	0	292	0	320	0	320	0	-18	0	-16	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1300	314	0	306	0	297	0	292	0	320	0	320	0	-16	0	-14	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1400	331	0	324	0	315	0	308	0	320	0	320	0	-14	0	-13	0	0	0	0	0	388	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1500	333	0	327	0	331	0	327	0	320	0	320	0	-2	0	0	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1600	343	0	336	0	34990		343	0	320	0	320	0	5	0	7	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1700	334	0	329	0	336	0	333	0	320	0	320	0	2	0	4	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1800	349	0	342	0	352	0	347	0	320	0	320	0	4	0	7	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1900	331	0	322	0	324	0	322	0	320	0	320	0	-5	0	-4	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2000	329	0	322	0	323	0	320	0	320	0	320	0	-5	0	-2	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2100	331	0	322	0	329	0	324	0	320	0	320	0	0	0	2	0	0	0	0	0	385	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2200	327	0	320	0	325	0	322	0	320	0	320	0	2	0	2	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2300	306	0	299	0	312	0	306	0	320	0	320	0	5	0	7	0	0	0	0	0	381	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2400	306	0	299	0	306	0	301	0	320	0	320	0	0	0	4	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	57	0	52	0	122	0	105	0	0	0	0	0	190	0	221	143	190	0	248	129	204	0	224	187	190	0	209	174	0	0	0	0	0
200	59	0	56	0	134	0	114	0	0	0	0	0	190	0	243	151	189	0	242	132	202	0	213	190	188	0	202	176	0	0	0	0	0
300	64	0	57	0	137	0	116	0	0	0	0	0	192	0	231	149	190	0	236	138	204	0	218	190	190	0	201	175	0	0	0	0	0
400	57	0	59	0	116	0	97	0	0	0	0	0	168	0	203	131	169	0	205	130	196	0	221	178	181	0	209	167	0	0	0	0	0
500	79	0	67	0	149	0	132	0	0	0	0	0	205	0	235	156	202	0	240	130	212	0	235	194	198	0	214	179	0	0	0	0	0
600	68	0	60	0	130	0	112	0	0	0	0	0	200	0	239	105	199	0	238	131	209	0	235	187	196	0	219	166	0	0	0	0	0
700	78	0	68	0	137	0	125	0	0	0	0	0	215	0	246	181	215	0	257	165	218	0	236	192	205	0	225	187	0	0	0	0	0
800	76	0	69	0	133	0	116	0	0	0	0	0	209	0	262	126	203	0	269	133	208	0	232	190	193	0	208	174	0	0	0	0	0
900	69	0	59	0	111	0	98	0	0	0	0	0	207	0	239	155	209	0	267	135	212	0	238	190	197	0	225	174	0	0	0	0	0
1000	92	0	86	0	137	0	134	0	0	0	0	0	225	0	266	181	223	0	265	153	227	0	257	205	211	0	229	186	0	0	0	0	0
1100	90	0	86	0	125	0	120	0	0	0	0	0	227	0	262	179	228	0	278	182	227	0	259	207	211	0	243	180	0	0	0	0	0
1200	88	0	83	0	120	0	112	0	0	0	0	0	227	0	270	188	226	0	290	185	223	0	273	198	208	0	247	175	0	0	0	0	0
1300	82	0	82	0	117	0	115	0	0	0	0	0	236	0	290	197	234	0	283	184	230	0	271	197	214	0	253	183	0	0	0	0	0
1400	50	0	45	0	89	0	76	0	0	0	0	0	199	0	232	134	195	0	266	112	198	0	225	169	185	0	232	163	0	0	0	0	0
1500	62	0	56	0	111	0	97	0	0	0	0	0	205	0	257	109	206	0	261	126	206	0	238	161	191	0	220	152	0	0	0	0	0
1600	75	0	68	0	112	0	102	0	0	0	0	0	221	0	260	182	222	0	285	185	210	0	249	191	203	0	232	171	0	0	0	0	0
1700	75	2	68	2	112	2	102	2	0	0	0	0	221	2	260	162	222	2	285	185	216	2	249	191	203	2	232	171	0	0	0	0	0
1800	88	0	80	0	134	0	130	0	0	0	0	0	226	0	262	174	222	0	255	158	229	0	253	203	212	0	236	180	0	0	0	0	0
1900	96	0	89	0	134	0	129	0	0	0	0	0	225	0	266	194	225	0	275	192	225	0	255	198	209	0	238	181	0	0	0	0	0
2000	103	0	103	0	165	0	172	0	0	0	0	0	234	0	258	201	233	0	260	192	233	0	255	212	218	0	234	201	0	0	0	0	0
2100	114	0	115	0	171	0	180	0	0	0	0	0	239	0	265	215	237	0	269	200	238	0	263	213	221	0	243	195	0	0	0	0	0
2200	134	0	138	0	202	0	213	0	0	0	0	0	244	0	270	221	242	0	275	199	248	0	280	231	230	0	243	216	0	0	0	0	0
2300	138	0	145	0	212	0	227	0	0	0	0	0	248	0	267	230	245	0	272	219	254	0	260	248	237	0	243	232	0	0	0	0	0
2400	146	0	148	0	217	0	229	0	0	0	0	0	248	0	264	225	246	0	275	213	252	0	259	244	235	0	243	229	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	297	0	288	0	306	0	301	0	320	0	320	0	9	0	13	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
200	296	0	288	0	312	0	306	0	320	0	320	0	16	0	18	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
300	306	0	299	0	317	0	312	0	320	0	320	0	11	0	13	0	0	0	0	0	437	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
400	299	0	292	0	306	0	303	0	320	0	320	0	9	0	11	0	0	0	0	0	432	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
500	310	0	303	0	315	0	312	0	320	0	320	0	7	0	9	0	0	0	0	0	437	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
600	324	0	315	0	327	0	322	0	320	0	320	0	2	0	5	0	0	0	0	0	381	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
700	338	0	331	0	343	0	340	0	320	0	320	0	5	0	9	0	0	0	0	0	439	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
800	334	0	327	0	333	0	329	0	320	0	320	0	0	0	2	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
900	343	0	336	0	336	0	331	0	320	0	320	0	-5	0	-4	0	0	0	0	0	457	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1000	363	0	356	0	351	0	345	0	320	0	320	0	-11	0	-9	0	0	0	0	0	406	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1100	379	0	374	0	367	0	361	0	320	0	320	0	-13	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1200	388	0	381	0	374	0	369	0	320	0	320	0	-14	0	-13	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1300	392	0	385	0	376	0	370	0	320	0	320	0	-16	0	-16	0	0	0	0	0	513	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1400	383	0	378	0	367	0	363	0	320	0	320	0	-16	0	-14	0	0	0	0	0	504	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1500	392	0	385	0	378	0	372	0	320	0	320	0	-14	0	-13	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1600	397	0	390	0	381	0	376	0	320	0	320	0	-16	0	-14	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1700	383	2	376	2	378	2	370	2	320	0	320	0	-7	2	-5	2	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1800	376	0	369	0	370	0	365	0	320	0	320	0	-5	0	-4	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
1900	374	0	367	0	369	0	361	0	320	0	320	0	-5	0	-4	0	0	0	0	0	414	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2000	365	0	356	0	360	0	354	0	320	0	320	0	-4	0	2	0	0	0	0	0	561	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2100	360	0	351	0	358	0	352	0	320	0	320	0	2	0	0	0	0	0	0	0	514	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2200	352	0	345	0	352	0	347	0	320	0	320	0	2	0	2	0	0	0	0	0	441	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2300	336	0	331	0	338	0	333	0	320	0	320	0	2	0	4	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	132	0
2400	333	0	327	0	331	0	325	0	320	0	320	0	-2	0	0	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	133	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	136	0	140	0	209	0	219	0	0	0	0	0	252	0	275	232	249	0	275	217	259	0	263	253	293	0	297	235	0	0	0	0	0	0	0	0	0	0
200	149	0	149	0	205	0	207	0	0	0	0	0	308	0	339	283	301	0	342	279	323	0	333	303	302	0	315	285	0	0	0	0	0	0	0	0	0	0
300	125	0	129	0	193	0	192	0	0	0	0	0	326	0	339	304	319	0	348	271	338	0	348	331	316	0	331	311	0	0	0	0	0	0	0	0	0	0
400	192	0	192	0	261	0	257	0	0	0	0	0	338	0	358	312	332	0	356	288	346	0	358	336	324	0	334	317	0	0	0	0	0	0	0	0	0	0
500	181	0	180	0	265	0	262	0	0	0	0	0	331	0	348	292	323	0	351	275	341	0	349	333	319	0	326	309	0	0	0	0	0	0	0	0	0	0
600	172	0	170	0	239	0	239	0	0	0	0	0	333	0	358	292	327	0	4	279	339	0	356	316	317	0	329	296	0	0	0	0	0	0	0	0	0	0
700	191	0	196	0	278	0	278	0	0	0	0	0	327	0	2	287	321	0	0	279	337	0	350	319	316	0	345	298	0	0	0	0	0	0	0	0	0	0
800	191	0	185	0	259	0	255	0	0	0	0	0	347	0	5	311	335	0	80	295	348	0	22	322	327	0	347	309	0	0	0	0	0	0	0	0	0	0
900	191	0	190	0	257	0	251	0	0	0	0	0	34[illegible]	0	13	312	335	0	8	271	349	0	16	301	328	0	0	289	0	0	0	0	0	0	0	0	0	0
1000	187	0	187	0	254	0	246	0	0	0	0	0	344	0	12	314	338	0	15	285	350	0	10	330	330	0	351	303	0	0	0	0	0	0	0	0	0	0
1100	116	0	114	0	196	0	190	0	0	0	0	0	2	0	52	285	358	0	86	292	4	0	28	341	344	0	14	315	0	0	0	0	0	0	0	0	0	0
1200	141	0	143	0	213	0	209	0	0	0	0	0	350	0	59	312	343	0	45	289	358	0	19	331	337	0	5	301	0	0	0	0	0	0	0	0	0	0
1300	133	0	133	0	178	0	173	0	0	0	0	0	346	0	36	316	339	0	22	306	358	0	35	325	335	0	9	303	0	0	0	0	0	0	0	0	0	0
1400	145	0	145	0	184	0	178	0	0	0	0	0	343	0	7	324	335	0	41	298	351	0	17	331	331	0	1	312	0	0	0	0	0	0	0	0	0	0
1500	100	0	101	0	136	0	135	0	0	0	0	0	10	0	47	301	3	0	68	292	7	0	40	330	349	0	123	313	0	0	0	0	0	0	0	0	0	0
1600	79	0	77	0	115	0	111	0	0	0	0	0	18	0	56	294	13	0	73	294	12	0	51	318	353	0	40	302	0	0	0	0	0	0	0	0	0	0
1700	66	0	65	0	88	0	86	0	0	0	0	0	354	0	57	303	349	0	58	284	4	0	37	333	344	0	25	312	0	0	0	0	0	0	0	0	0	0
1800	83	0	83	0	99	0	101	0	0	0	0	0	310	0	346	285	303	0	352	272	319	0	339	294	297	0	316	273	0	0	0	0	0	0	0	0	0	0
1900	66	0	65	0	85	0	88	0	0	0	0	0	300	0	325	271	291	0	325	257	310	0	329	293	289	0	312	265	0	0	0	0	0	0	0	0	0	0
2000	70	0	71	0	88	0	89	0	0	0	0	0	313	0	5	280	307	0	352	264	321	0	349	293	299	0	329	274	0	0	0	0	0	0	0	0	0	0
2100	69	0	70	0	83	0	84	0	0	0	0	0	308	0	340	278	302	0	330	276	318	0	346	287	296	0	329	262	0	0	0	0	0	0	0	0	0	0
2200	35	0	37	0	48	0	49	0	0	0	0	0	336	0	31	293	329	0	28	293	332	0	2	300	311	0	346	278	0	0	0	0	0	0	0	0	0	0
2300	11	0	12	0	16	0	18	0	0	0	0	0	192	0	248	94	168	3	269	93	259	5	281	221	212	0	263	101	0	0	0	0	0	0	0	0	0	0
2400	58	0	57	0	50	0	41	0	0	0	0	0	186	0	208	151	186	0	213	153	192	0	206	172	179	0	192	166	0	0	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	331	0	324	0	329	0	324	0	320	0	320	0	0	0	2	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
200	333	0	325	0	329	0	324	0	320	0	320	0	-4	0	-2	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
300	324	0	317	0	317	0	312	0	320	0	320	0	-5	0	-4	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	1	139	0
400	306	0	299	0	297	0	292	0	320	0	320	0	-9	0	-7	0	0	0	0	0	349	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
500	287	0	279	0	276	0	270	0	320	0	320	0	-11	0	-9	0	0	0	0	0	342	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
600	281	0	274	0	270	0	265	0	320	0	320	0	-11	0	-9	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
700	281	0	276	0	270	0	267	0	320	0	320	0	-11	0	-9	0	0	0	0	0	430	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
800	270	0	263	0	260	0	254	0	320	0	320	0	-11	0	-9	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
900	258	0	251	0	245	0	242	0	320	0	320	0	-11	0	-9	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1000	254	0	245	0	243	0	238	0	320	0	320	0	-11	0	-9	0	0	0	0	0	324	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1100	254	0	249	0	245	0	238	0	320	0	320	0	-11	0	-9	0	0	0	0	0	525	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1200	247	0	242	0	236	0	231	0	320	0	320	0	-13	0	-11	0	0	0	0	0	278	2	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1300	249	0	242	0	238	0	233	0	320	0	320	0	-11	0	-9	0	0	0	0	0	283	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1400	245	0	240	0	234	0	229	0	320	0	320	0	-11	0	-9	0	0	0	0	0	279	2	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1500	240	0	233	0	229	0	224	0	320	0	320	0	-11	0	-9	0	0	0	0	0	281	2	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1600	236	0	229	0	225	0	220	0	320	0	320	0	-11	0	-9	0	0	0	0	0	278	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1700	227	0	220	0	216	0	209	0	320	0	320	0	-11	0	-9	0	0	0	0	0	269	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1800	229	0	222	0	218	0	213	0	320	0	320	0	-11	0	-9	0	0	0	0	0	278	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1900	233	0	224	0	222	0	216	0	320	0	320	0	-9	0	-7	0	0	0	0	0	281	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2000	229	0	222	0	220	0	215	0	320	0	320	0	-9	0	-7	0	0	0	0	0	283	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2100	224	0	216	0	215	0	209	0	320	0	320	0	-9	0	-7	0	0	0	0	0	283	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2200	213	0	204	0	202	0	197	0	320	0	320	0	-11	0	-7	0	0	0	0	0	278	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2300	189	0	179	0	193	0	188	0	320	0	320	0	4	0	9	0	0	0	0	0	265	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2400	188	0	180	0	206	0	200	0	320	0	320	0	18	0	22	0	0	0	0	0	269	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	60	0	61	0	140	0	116	0	0	0	0	0	171	0	205	141	171	0	210	125	183	0	187	176	168	0	172	164	0	0	0	0	0	0	0	0	0	0
200	54	0	52	0	126	0	107	0	0	0	0	0	185	0	238	131	185	0	226	128	190	0	203	161	176	0	201	162	0	0	0	0	0	0	0	0	0	0
300	59	0	53	0	153	0	122	0	0	0	0	0	189	0	239	151	190	0	263	107	199	0	212	184	185	0	221	172	0	0	0	0	0	0	0	0	0	0
400	88	0	87	0	189	0	173	0	0	0	0	0	162	0	194	133	164	0	238	122	179	0	195	165	162	0	178	7	0	0	0	0	0	0	0	0	0	0
500	84	0	84	0	159	0	150	0	0	0	0	0	166	0	204	132	166	0	238	107	179	0	203	160	165	0	184	150	0	0	0	0	0	0	0	0	0	0
600	75	0	77	0	148	0	127	0	0	0	0	0	180	0	233	128	178	0	253	129	190	0	219	164	176	0	202	152	0	0	0	0	0	0	0	0	0	0
700	81	0	74	0	158	0	135	0	0	0	0	0	184	0	228	120	182	0	243	100	191	0	222	165	178	0	210	152	0	0	0	0	0	0	0	0	0	0
800	92	0	94	0	169	0	159	0	0	0	0	0	163	0	216	125	164	0	235	102	177	0	201	155	164	0	204	137	0	0	0	0	0	0	0	0	0	0
900	136	0	133	0	226	0	206	0	0	0	0	0	172	0	211	129	170	0	229	111	182	0	207	153	168	0	194	146	0	0	0	0	0	0	0	0	0	0
1000	115	0	110	0	194	0	177	0	0	0	0	0	188	0	243	128	186	0	251	113	189	0	237	150	177	0	222	137	0	0	0	0	0	0	0	0	0	0
1100	118	0	113	0	214	0	187	0	0	0	0	0	167	0	221	125	165	0	242	107	181	0	213	144	169	0	195	143	0	0	0	0	0	0	0	0	0	0
1200	91	0	85	0	175	0	147	0	0	0	0	0	184	0	228	92	185	0	267	116	189	0	225	142	179	0	198	146	0	0	0	0	0	0	0	0	0	0
1300	103	0	99	0	192	0	162	0	0	0	0	0	182	0	242	108	180	0	252	97	192	0	232	151	180	0	214	145	0	0	0	0	0	0	0	0	0	0
1400	113	0	100	0	202	0	169	0	0	0	0	0	191	0	245	126	191	0	253	99	193	0	221	128	183	0	245	132	0	0	0	0	0	0	0	0	0	0
1500	90	0	82	0	176	0	147	0	0	0	0	0	191	0	249	122	191	0	260	110	198	0	223	164	186	0	211	151	0	0	0	0	0	0	0	0	0	0
1600	100	0	86	0	167	0	145	0	0	0	0	0	201	0	238	141	201	0	264	124	202	0	255	153	189	0	219	141	0	0	0	0	0	0	0	0	0	0
1700	87	0	78	0	160	0	141	0	0	0	0	0	200	0	261	147	200	0	257	105	202	0	231	180	189	0	214	157	0	0	0	0	0	0	0	0	0	0
1800	83	0	74	0	145	0	129	0	0	0	0	0	208	0	252	141	205	0	250	139	208	0	232	184	195	0	219	163	0	0	0	0	0	0	0	0	0	0
1900	91	0	89	0	127	0	134	0	0	0	0	0	230	0	264	207	228	0	276	191	231	0	259	208	216	0	243	187	0	0	0	0	0	0	0	0	0	0
2000	152	0	158	0	209	0	228	0	0	0	0	0	244	0	264	215	242	0	271	202	246	0	259	224	231	0	243	211	0	0	0	0	0	0	0	0	0	0
2100	127	0	131	0	208	0	227	0	0	0	0	0	257	0	300	237	255	0	291	221	262	0	276	251	247	0	266	230	0	0	0	0	0	0	0	0	0	0
2200	158	0	162	0	181	0	189	0	0	0	0	0	272	0	302	250	280	0	302	238	282	0	317	252	264	0	297	227	0	0	0	0	0	0	0	0	0	0
2300	186	0	195	0	197	0	209	0	0	0	0	0	267	0	288	242	263	0	287	231	278	0	292	264	264	0	277	247	0	0	0	0	0	0	0	0	0	0
2400	188	0	195	0	271	0	279	0	0	0	0	0	320	0	343	284	314	0	354	279	333	0	341	322	314	0	323	295	0	0	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PAIR	S
100	161	0	152	0	198	0	193	0	320	0	320	0	38	0	40	0	0	0	0	0	261	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
200	150	0	143	0	162	0	157	0	320	0	320	0	11	0	14	0	0	0	0	0	258	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
300	144	0	137	0	161	0	155	0	320	0	320	0	16	0	20	0	0	0	0	0	258	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
400	144	0	137	0	157	0	152	0	320	0	320	0	13	0	16	0	0	0	0	0	260	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
500	139	0	130	0	139	0	135	0	320	0	320	0	2	0	4	0	0	0	0	0	256	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
600	137	0	130	0	135	0	132	0	320	0	320	0	2	0	2	0	0	0	0	0	256	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
700	157	0	148	0	150	0	144	0	320	0	320	0	-7	0	-4	0	0	0	0	0	263	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
800	166	0	159	0	161	0	155	0	320	0	320	0	-5	0	-4	0	0	0	0	0	265	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
900	198	0	191	0	189	0	184	0	320	0	320	0	-9	0	-7	0	0	0	0	0	274	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1000	215	0	207	0	204	0	198	0	320	0	320	0	-11	0	-9	0	0	0	0	0	294	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1100	229	0	218	0	215	0	209	0	320	0	320	0	-11	0	-9	0	0	0	0	0	288	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1200	236	0	231	0	225	0	220	0	320	0	320	0	-13	0	-11	0	0	0	0	0	294	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1300	245	0	238	0	233	0	229	0	320	0	320	0	-13	0	-9	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1400	251	0	242	0	240	0	234	0	320	0	320	0	-9	0	-7	0	0	0	0	0	336	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1500	258	0	251	0	249	0	243	0	320	0	320	0	-9	0	-7	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1600	270	0	261	0	261	0	256	0	320	0	320	0	-7	0	-5	0	0	0	0	0	388	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1700	285	0	278	0	278	0	272	0	320	0	320	0	-7	0	-5	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1800	290	0	283	0	285	0	281	0	320	0	320	0	-5	0	-4	0	0	0	0	0	401	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1900	314	0	306	0	308	0	303	0	320	0	320	0	-7	0	-4	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2000	322	0	314	0	315	0	310	0	320	0	320	0	-5	0	-4	0	0	0	0	0	410	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2100	322	0	314	0	315	0	310	0	320	0	320	0	-4	0	-4	0	0	0	0	0	405	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2200	317	0	310	0	314	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	489	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2300	306	0	299	0	297	0	292	0	320	0	320	0	-9	0	-7	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2400	299	0	292	0	285	0	281	0	320	0	320	0	-14	0	-13	0	0	0	0	0	430	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	166	0	173	0	237	0	242	0	0	0	0	0	319	0	339	295	316	0	349	289	332	0	345	310	311	0	335	295	0	0	0	0	0	0
200	160	0	168	0	235	0	239	0	0	0	0	0	315	0	335	296	308	0	345	274	330	0	349	315	308	0	330	298	0	0	0	0	0	0
300	177	0	180	0	244	0	250	0	0	0	0	0	314	0	332	295	308	0	333	277	327	0	344	313	305	0	323	295	0	0	0	0	0	0
400	184	0	186	0	250	0	251	0	0	0	0	0	313	0	334	288	307	0	340	267	329	0	342	322	308	0	314	289	0	0	0	0	0	0
500	190	0	198	0	246	0	246	0	0	0	0	0	314	0	329	298	307	0	332	268	325	0	334	314	303	0	311	290	0	0	0	0	0	0
600	187	0	191	0	241	0	240	0	0	0	0	0	313	0	333	297	307	0	327	280	326	0	333	317	304	0	314	298	0	0	0	0	0	0
700	158	0	164	0	207	0	207	0	0	0	0	0	315	0	333	295	308	0	348	254	328	0	335	314	306	0	336	295	0	0	0	0	0	0
800	170	0	173	0	213	0	214	0	0	0	0	0	311	0	327	288	305	0	342	276	322	0	334	306	299	0	309	280	0	0	0	0	0	0
900	190	0	184	0	233	0	238	0	0	0	0	0	300	0	310	290	294	0	322	263	310	0	321	300	288	0	301	210	0	0	0	0	0	0
1000	178	0	178	0	228	0	234	0	0	0	0	0	302	0	313	288	295	0	321	260	312	0	323	303	289	0	298	283	0	0	0	0	0	0
1100	154	0	152	0	193	0	197	0	0	0	0	0	307	0	322	291	302	0	321	270	318	0	331	308	296	0	303	287	0	0	0	0	0	0
1200	130	0	132	0	155	0	157	0	0	0	0	0	308	0	323	285	302	0	328	273	318	0	328	304	297	0	308	286	0	0	0	0	0	0
1300	108	0	106	0	129	0	132	0	0	0	0	0	301	0	321	280	296	0	323	253	313	0	325	303	291	0	302	280	0	0	0	0	0	0
1400	100	0	103	0	118	0	120	0	0	0	0	0	305	0	325	281	298	0	327	267	314	0	327	303	293	0	308	284	0	0	0	0	0	0
1500	105	0	113	0	123	0	128	0	0	0	0	0	267	0	309	235	264	0	310	232	274	0	323	241	257	0	308	224	0	0	0	0	0	0
1600	94	0	101	0	114	0	121	0	0	0	0	0	250	0	276	231	240	0	285	225	254	0	265	248	238	0	248	229	0	0	0	0	0	0
1700	69	0	71	0	91	0	95	0	0	0	0	0	237	0	276	193	235	0	286	190	237	0	275	207	221	0	252	190	0	0	0	0	0	0
1800	41	0	42	0	50	0	50	0	0	0	0	0	231	0	264	197	228	0	261	185	226	0	244	204	212	0	232	186	0	0	0	0	0	0
1900	46	0	45	0	72	0	64	0	0	0	0	0	191	0	243	111	191	0	248	114	194	0	224	160	181	0	209	146	0	0	0	0	0	0
2000	50	0	44	0	72	0	68	0	0	0	0	0	163	0	205	114	165	0	213	100	177	0	198	159	164	0	202	146	0	0	0	0	0	0
2100	44	0	44	0	75	0	69	0	0	0	0	0	176	0	267	131	175	0	237	122	184	0	214	159	170	0	203	142	0	0	0	0	0	0
2200	44	0	48	0	75	0	75	0	0	0	0	0	157	0	198	129	159	0	205	103	172	0	192	150	159	0	186	137	0	0	0	0	0	0
2300	65	0	70	0	91	0	95	0	0	0	0	0	129	0	152	108	132	0	154	114	137	0	153	116	126	0	142	101	0	0	0	0	0	0
2400	74	0	78	0	91	0	96	0	0	0	0	0	116	0	134	93	117	0	133	87	120	0	135	102	108	0	131	73	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	296	0	288	0	283	0	279	0	320	0	320	0	-13	0	-11	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
200	290	0	283	0	279	0	274	0	320	0	320	0	-13	0	-11	0	0	0	0	0	410	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
300	287	0	279	0	275	0	269	0	320	0	320	0	-13	0	-11	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
400	281	0	274	0	269	0	263	0	320	0	320	0	-13	0	-11	0	0	0	0	0	424	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
500	279	0	272	0	265	0	260	0	320	0	320	0	-13	0	-11	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
600	274	0	267	0	260	0	254	0	320	0	320	0	-13	0	-11	0	0	0	0	0	412	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
700	272	0	265	0	258	0	252	0	320	0	320	0	-13	0	-11	0	0	0	0	0	412	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
800	272	0	265	0	260	0	254	0	320	0	320	0	-13	0	-11	0	0	0	0	0	412	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
900	272	0	265	0	260	0	254	0	320	0	320	0	-13	0	-11	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1000	263	0	256	0	251	0	243	0	320	0	320	0	-13	0	-11	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1100	260	0	252	0	245	0	242	0	320	0	320	0	-13	0	-11	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1200	265	0	258	0	251	0	245	0	320	0	320	0	-13	0	-11	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1300	272	0	265	0	256	0	251	0	320	0	320	0	-14	0	-13	0	0	0	0	0	349	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1400	270	0	263	0	258	0	252	0	320	0	320	0	-13	0	-11	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1500	267	0	260	0	254	0	249	0	320	0	320	0	-13	0	-9	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1600	258	0	249	0	245	0	240	0	320	0	320	0	-13	0	-11	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1700	249	0	242	0	238	0	233	0	320	0	320	0	-13	0	-11	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1800	238	0	231	0	229	0	224	0	320	0	320	0	-9	0	-7	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1900	236	0	229	0	229	0	224	0	320	0	320	0	-9	0	-7	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2000	231	0	222	0	222	0	218	0	320	0	320	0	-7	0	-5	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2100	222	0	215	0	215	0	211	0	320	0	320	0	-7	0	-5	0	0	0	0	0	290	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2200	211	0	202	0	200	0	197	0	320	0	320	0	-9	0	-7	0	0	0	0	0	285	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2300	206	0	198	0	197	0	191	0	320	0	320	0	-9	0	-7	0	0	0	0	0	285	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2400	206	0	198	0	195	0	191	0	320	0	320	0	-9	0	-7	0	0	0	0	0	290	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	92	0	92	0	119	0	120	0	0	0	0	0	106	0	125	88	107	0	136	77	109	0	121	91	97	0	122	79	0	0	0	0
200	89	0	92	0	126	0	127	0	0	0	0	0	102	0	129	77	102	0	139	75	109	0	130	86	91	0	124	68	0	0	0	0
300	97	0	102	0	126	0	126	0	0	0	0	0	89	0	104	68	83	0	120	53	86	0	111	65	74	0	98	50	0	0	0	0
400	99	0	109	0	133	0	143	0	0	0	0	0	78	0	98	61	77	0	123	46	78	0	100	56	65	0	80	49	0	0	0	0
500	110	0	120	0	136	0	155	0	0	0	0	0	75	0	97	49	74	0	103	40	73	0	89	54	59	0	75	36	0	0	0	0
600	81	0	96	0	111	0	129	0	0	0	0	0	62	0	83	36	59	0	100	33	62	0	84	43	50	0	68	35	0	0	0	0
700	115	0	120	0	140	0	141	0	0	0	0	0	40	0	62	19	35	0	79	11	42	0	67	19	25	0	45	359	0	0	0	0
800	102	0	112	0	129	0	137	0	0	0	0	0	53	0	75	29	47	0	93	6	50	0	86	23	33	0	71	0	0	0	0	0
900	125	0	135	0	151	0	151	0	0	0	0	0	42	0	75	8	39	0	93	1	42	0	81	13	26	0	63	354	0	0	0	0
1000	146	0	149	0	173	0	172	0	0	0	0	0	38	0	66	10	34	0	78	4	35	0	60	16	17	0	41	342	0	0	0	0
1100	138	0	140	0	170	0	165	0	0	0	0	0	36	0	60	16	32	0	58	5	36	0	59	15	18	0	40	356	0	0	0	0
1200	146	0	146	0	185	0	181	0	0	0	0	0	30	0	61	0	25	0	57	347	25	0	49	359	6	0	34	338	0	0	0	0
1300	149	0	151	0	206	0	202	0	0	0	0	0	25	0	52	356	20	0	57	349	21	0	49	350	2	0	32	338	0	0	0	0
1400	136	0	140	0	197	0	191	0	0	0	0	0	22	0	79	325	18	0	83	336	13	0	43	344	351	0	26	317	0	0	0	0
1500	123	0	122	0	209	0	205	0	0	0	0	0	12	0	52	273	10	0	59	294	8	0	40	316	349	0	22	304	0	0	0	0
1600	132	0	136	0	218	0	214	0	0	0	0	0	15	0	51	321	8	0	66	305	10	0	53	334	352	0	64	308	0	0	0	0
1700	153	0	149	0	226	0	220	0	0	0	0	0	21	0	50	329	15	0	57	288	8	0	37	318	346	0	18	292	0	0	0	0
1800	232	0	230	0	303	0	298	0	0	0	0	0	343	0	0	325	336	0	17	302	349	0	21	334	327	0	354	314	0	0	0	0
1900	220	0	219	0	300	0	297	0	0	0	0	0	340	0	355	314	333	0	1	295	345	0	8	331	323	0	335	308	0	0	0	0
2000	170	0	173	0	248	0	243	0	0	0	0	0	333	0	9	297	325	0	5	274	341	0	356	304	319	0	337	274	0	0	0	0
2100	170	0	172	0	231	0	229	0	0	0	0	0	338	0	17	304	332	0	15	295	344	0	7	319	323	0	355	301	0	0	0	0
2200	179	0	179	0	251	0	249	0	0	0	0	0	323	0	341	298	310	0	340	285	335	0	346	322	314	0	334	290	0	0	0	0
2300	182	0	182	0	226	0	229	0	0	0	0	0	312	0	343	291	308	0	334	283	323	0	351	304	302	0	342	284	0	0	0	0
2400	114	0	114	0	144	0	145	0	0	0	0	0	315	0	355	288	308	0	350	271	325	0	350	303	303	0	329	284	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	BARM	S
100	200	0	191	0	191	0	186	0	320	0	320	0	-9	0	-7	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
200	198	0	191	0	189	0	184	0	320	0	320	0	-9	0	-7	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
300	202	0	195	0	195	0	189	0	320	0	320	0	-7	0	-5	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
400	206	0	198	0	198	0	193	0	320	0	320	0	-7	0	-5	0	0	0	0	0	312	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
500	211	0	204	0	204	0	198	0	320	0	320	0	-7	0	-5	0	0	0	0	0	318	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
600	220	0	211	0	211	0	206	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
700	231	0	224	0	222	0	218	0	320	0	320	0	-9	0	-7	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
800	229	0	222	0	220	0	215	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
900	218	0	211	0	209	0	204	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1000	231	0	224	0	220	0	216	0	320	0	320	0	-11	0	-7	0	0	0	0	0	331	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1100	234	0	227	0	224	0	220	0	320	0	320	0	-11	0	-9	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1200	236	0	231	0	227	0	220	0	320	0	320	0	-11	0	-9	0	0	0	0	0	342	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1300	242	0	234	0	231	0	225	0	320	0	320	0	-11	0	-9	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1400	247	0	240	0	236	0	231	0	320	0	320	0	-11	0	-9	0	0	0	0	0	340	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1500	260	0	252	0	247	0	242	0	320	0	320	0	-13	0	-11	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1600	261	0	254	0	251	0	245	0	320	0	320	0	-13	0	-9	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1700	256	0	249	0	245	0	242	0	320	0	320	0	-11	0	-7	0	0	0	0	0	342	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1800	245	0	238	0	234	0	229	0	320	0	320	0	-11	0	-9	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1900	247	0	238	0	234	0	231	0	320	0	320	0	-11	0	-9	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2000	249	0	240	0	238	0	233	0	320	0	320	0	-9	0	-7	0	0	0	0	0	143	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2100	233	0	225	0	222	0	218	0	320	0	320	0	-11	0	-9	0	0	0	0	0	189	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2200	238	0	231	0	225	0	220	0	320	0	320	0	-13	0	-11	0	0	0	0	0	186	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2300	233	0	225	0	222	0	216	0	320	0	320	0	-11	0	-9	0	0	0	0	0	175	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2400	224	0	216	0	213	0	207	0	320	0	320	0	-9	0	-7	0	0	0	0	0	234	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	125	0	128	0	167	0	170	0	0	0	0	0	307	0	336	281	299	0	334	260	316	0	338	292	294	0	314	275	0	0	0	0	0	0
200	127	0	130	0	158	0	162	0	0	0	0	0	302	0	332	278	296	0	327	256	310	0	323	282	289	0	302	266	0	0	0	0	0	0
300	107	0	111	0	132	0	134	0	0	0	0	0	300	0	327	276	295	0	327	262	310	0	331	286	288	0	303	265	0	0	0	0	0	0
400	137	0	136	0	154	0	160	0	0	0	0	0	301	0	327	276	298	0	320	265	308	0	328	275	287	0	303	269	0	0	0	0	0	0
500	112	0	114	0	130	0	135	0	0	0	0	0	296	0	322	268	290	0	316	258	298	0	322	263	278	0	300	239	0	0	0	0	0	0
600	73	0	77	0	78	0	85	0	0	0	0	0	290	0	317	239	284	0	317	241	293	0	320	244	274	0	331	221	0	0	0	0	0	0
700	69	0	71	0	77	0	82	0	0	0	0	0	269	0	304	233	264	0	303	225	279	0	326	249	261	0	308	231	0	0	0	0	0	0
800	61	0	57	0	96	0	97	0	0	0	0	0	223	0	257	181	220	0	256	166	230	0	254	202	214	0	243	176	0	0	0	0	0	0
900	44	0	42	0	85	0	77	0	0	0	0	0	187	0	232	146	186	0	265	108	211	0	234	189	198	0	215	177	0	0	0	0	0	0
1000	51	0	43	0	80	0	69	0	0	0	0	0	195	0	241	138	193	0	230	114	203	0	224	181	187	0	211	167	0	0	0	0	0	0
1100	45	0	43	0	77	0	65	0	0	0	0	0	193	0	247	112	193	0	255	92	198	0	240	157	184	0	222	144	0	0	0	0	0	0
1200	36	0	35	0	60	0	55	0	0	0	0	0	182	0	252	94	180	0	261	98	182	0	215	123	170	0	219	97	0	0	0	0	0	0
1300	38	0	35	0	53	0	49	0	0	0	0	0	195	0	268	94	189	0	269	102	190	0	250	106	168	0	240	90	0	0	0	0	0	0
1400	45	0	46	0	60	0	57	0	0	0	0	0	165	0	249	113	166	0	247	94	177	0	224	108	165	0	207	98	0	0	0	0	0	0
1500	68	0	74	0	99	0	103	0	0	0	0	0	147	0	178	119	148	0	190	119	163	0	179	140	151	0	168	130	0	0	0	0	0	0
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
2000	50	0	47	0	101	0	93	0	0	0	0	0	156	0	190	115	154	0	186	123	176	0	183	166	163	0	169	155	0	0	0	0	0	0
2100	58	0	56	0	105	0	100	0	0	0	0	0	158	0	186	106	155	0	197	107	173	0	189	156	161	0	183	144	0	0	0	0	0	0
2200	58	0	54	0	99	0	88	0	0	0	0	0	172	0	213	119	189	0	206	112	187	0	208	158	172	0	197	147	0	0	0	0	0	0
2300	51	0	49	0	101	0	87	0	0	0	0	0	166	0	208	123	166	0	235	118	183	0	202	163	171	0	252	145	0	0	0	0	0	0
2400	55	0	52	0	104	0	87	0	0	0	0	0	178	0	225	132	175	0	233	114	188	0	208	167	172	0	194	120	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	216	0	207	0	206	0	200	0	320	0	320	0	-11	0	-7	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
200	207	0	200	0	197	0	191	0	320	0	320	0	-9	0	-7	0	0	0	0	0	213	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
300	200	0	193	0	189	0	184	0	320	0	320	0	-11	0	-7	0	0	0	0	0	186	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
400	197	0	189	0	186	0	182	0	320	0	320	0	-11	0	-9	0	0	0	0	0	202	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
500	198	0	189	0	188	0	184	0	320	0	320	0	-9	0	-7	0	0	0	0	0	207	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
600	197	0	188	0	186	0	182	0	320	0	320	0	-9	0	-7	0	0	0	0	0	197	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
700	197	0	189	0	189	0	184	0	320	0	320	0	-7	0	-5	0	0	0	0	0	254	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
800	173	0	164	0	166	0	161	0	320	0	320	0	-7	0	-4	0	0	0	0	0	247	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
900	164	0	155	0	159	0	153	0	320	0	320	0	-5	0	-2	0	0	0	0	0	245	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1000	164	0	157	0	144	0	141	0	320	0	320	0	-18	0	-16	0	0	0	0	0	251	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1100	195	0	188	0	164	0	161	0	320	0	320	0	-31	0	-27	0	0	0	0	0	272	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1200	200	0	195	0	170	0	166	0	320	0	320	0	-31	0	-27	0	0	0	0	0	274	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1300	215	0	209	0	177	0	173	0	320	0	320	0	-38	0	-36	0	0	0	0	0	278	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1400	202	0	197	0	166	0	161	0	320	0	320	0	-36	0	-34	0	0	0	0	0	272	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1500	177	0	170	0	153	0	150	0	320	0	320	0	-22	0	-20	0	0	0	0	0	261	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	146	0	139	0	148	0	143	0	320	0	320	0	2	0	5	0	0	0	0	0	90	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2100	157	0	152	0	150	0	144	0	320	0	320	0	-7	0	-5	0	0	0	0	0	94	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2200	170	0	162	0	162	0	157	0	320	0	320	0	-7	0	-4	0	0	0	0	0	98	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2300	177	0	170	0	173	0	168	0	320	0	320	0	-4	0	0	0	0	0	0	0	99	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2400	188	0	180	0	182	0	177	0	320	0	320	0	-5	0	-2	0	0	0	0	0	103	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S	
100	50	0	49	0	100	0	89	0	0	0	0	0	161	0	218	128	158	0	207	105	178	0	199	156	165	0	183	191	0	0	0	0	0	0
200	60	0	53	0	108	0	95	0	0	0	0	0	166	0	201	126	160	0	203	116	181	0	205	156	169	0	230	143	0	0	0	0	0	0
300	53	0	50	0	98	0	85	0	0	0	0	0	167	0	210	125	165	0	211	117	182	0	203	160	166	0	191	129	0	0	0	0	0	0
400	47	0	42	0	90	0	75	0	0	0	0	0	179	0	225	120	178	0	244	104	192	0	212	169	178	0	201	153	0	0	0	0	0	0
500	38	0	32	0	77	0	65	0	0	0	0	0	180	0	247	115	177	0	244	120	194	0	211	174	179	0	198	144	0	0	0	0	0	0
600	46	0	37	0	93	0	78	0	0	0	0	0	186	0	232	127	184	0	257	117	194	0	211	163	179	0	197	159	0	0	0	0	0	0
700	64	0	48	0	103	0	92	0	0	0	0	0	208	0	251	172	207	0	269	158	209	0	229	194	196	0	215	178	0	0	0	0	0	0
800	41	0	37	0	84	0	66	0	0	0	0	0	178	0	207	134	175	0	232	133	194	0	205	177	179	0	217	99	0	0	0	0	0	0
900	48	0	36	0	105	0	87	0	0	0	0	0	193	0	224	153	190	0	229	137	201	0	211	191	167	0	197	175	0	0	0	0	0	0
1000	40	0	32	0	74	0	63	0	0	0	0	0	175	0	239	95	174	0	221	95	190	0	217	157	178	0	208	152	0	0	0	0	0	0
1100	34	0	29	0	47	0	43	0	0	0	0	0	199	0	264	101	193	3	266	113	190	0	239	125	178	0	256	125	0	0	0	0	0	0
1200	49	0	40	0	71	0	62	0	0	0	0	0	195	0	261	98	199	0	263	111	190	0	240	126	178	0	246	104	0	0	0	0	0	0
1300	46	0	43	0	65	0	57	0	0	0	0	0	193	0	263	92	193	0	266	107	197	0	249	155	183	0	236	135	0	0	0	0	0	0
1400	56	0	53	0	100	0	88	0	0	0	0	0	182	0	250	109	181	0	254	114	192	0	257	135	176	0	207	135	0	0	0	0	0	0
1500	74	0	66	0	117	0	98	0	0	0	0	0	182	0	260	124	177	0	232	120	186	0	209	168	173	0	191	147	0	0	0	0	0	0
1600	46	0	41	0	72	0	60	0	0	0	0	0	192	0	263	91	190	0	263	94	196	0	235	144	182	0	213	141	0	0	0	0	0	0
1700	46	0	41	0	77	0	66	0	0	0	0	0	188	0	248	136	187	0	260	129	192	0	226	158	178	0	210	137	0	0	0	0	0	0
1800	63	0	54	0	123	0	103	0	0	0	0	0	198	0	237	142	197	0	238	116	198	0	212	178	184	0	219	160	0	0	0	0	0	0
1900	65	0	53	0	140	0	118	0	0	0	0	0	193	0	233	133	192	0	255	145	201	0	215	186	187	0	204	175	0	0	0	0	0	0
2000	70	0	56	0	152	0	130	0	0	0	0	0	195	0	261	155	194	0	251	124	205	0	224	186	191	0	206	176	0	0	0	0	0	0
2100	74	0	59	0	150	0	133	0	0	0	0	0	203	0	238	152	200	0	238	90	212	0	227	196	199	0	218	186	0	0	0	0	0	0
2200	61	0	51	0	128	0	116	0	0	0	0	0	196	0	221	166	194	0	225	146	210	0	220	198	196	0	209	179	0	0	0	0	0	0
2300	61	0	60	0	129	0	101	0	0	0	0	0	165	0	193	139	161	0	195	127	191	0	203	181	176	0	199	164	0	0	0	0	0	0
2400	66	0	67	0	159	0	119	0	0	0	0	0	172	0	197	138	172	0	210	142	195	0	203	186	181	0	211	172	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	189	0	182	0	184	0	180	0	320	0	320	0	-4	0	2	0	0	0	0	0	105	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
200	198	0	191	0	193	0	188	0	320	0	320	0	-4	0	2	0	0	0	0	0	107	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
300	206	0	198	0	198	0	195	0	320	0	320	0	-5	0	-4	0	0	0	0	0	110	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
400	213	0	206	0	207	0	202	0	320	0	320	0	-5	0	-2	0	0	0	0	0	114	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
500	220	0	213	0	213	0	209	0	320	0	320	0	-5	0	-2	0	0	0	0	0	117	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
600	225	0	220	0	220	0	215	0	320	0	320	0	-5	0	-4	0	0	0	0	0	137	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
700	231	0	224	0	225	0	220	0	320	0	320	0	-5	0	-4	0	0	0	0	0	137	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
800	222	0	215	0	225	0	220	0	320	0	320	0	4	0	7	0	0	0	0	0	135	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
900	227	0	220	0	229	0	224	0	320	0	320	0	2	0	4	0	0	0	0	0	137	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1000	256	0	249	0	236	0	233	0	320	0	320	0	-18	0	-16	0	0	0	0	0	152	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1100	296	0	290	0	272	0	267	0	320	0	320	0	-25	0	-22	0	0	0	0	0	173	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1200	320	0	312	0	297	0	292	0	320	0	320	0	-22	0	-18	0	0	0	0	0	193	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1300	369	0	358	0	329	0	325	0	320	0	320	0	-34	0	-31	0	0	0	0	0	200	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1400	369	0	361	0	329	0	325	0	320	0	320	0	-40	0	-36	0	0	0	0	0	206	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1500	363	0	356	0	329	0	324	0	320	0	320	0	-34	0	-31	0	0	0	0	0	209	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1600	378	0	372	0	347	0	342	0	320	0	320	0	-31	0	-27	0	0	0	0	0	204	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1700	361	0	352	0	336	0	331	0	320	0	320	0	-23	0	-20	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
1800	312	0	305	0	310	0	305	0	320	0	320	0	-2	0	0	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
1900	296	0	288	0	305	0	299	0	320	0	320	0	9	0	13	0	0	0	0	0	322	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
2000	290	0	283	0	303	0	297	0	320	0	320	0	13	0	16	0	0	0	0	0	312	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
2100	294	0	287	0	312	0	306	0	320	0	320	0	20	0	22	0	0	0	0	0	314	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
2200	287	0	281	0	308	0	303	0	320	0	320	0	20	0	23	0	0	0	0	0	314	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
2300	258	0	249	0	285	0	279	0	320	0	320	0	29	0	31	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
2400	251	0	243	0	297	0	292	0	320	0	320	0	47	0	50	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	75	0	72	0	174	0	133	0	0	0	0	0	174	0	196	145	171	0	214	132	196	0	203	183	182	0	205	158	0	0	0	0	0	0
200	74	0	74	0	166	0	127	0	0	0	0	0	163	0	184	142	162	0	196	135	191	0	198	183	179	0	268	168	0	0	0	0	0	0
300	75	0	73	0	176	0	143	0	0	0	0	0	165	0	193	140	164	0	215	125	189	0	197	180	175	0	214	166	0	0	0	0	0	0
400	78	0	75	0	172	0	147	0	0	0	0	0	155	0	194	134	151	0	207	125	182	0	195	170	169	0	175	158	0	0	0	0	0	0
500	80	0	82	0	167	0	145	0	0	0	0	0	161	0	256	127	159	0	203	119	181	0	192	165	168	0	183	154	0	0	0	0	0	0
600	71	0	70	0	155	0	146	0	0	0	0	0	140	0	162	115	142	0	187	115	172	0	183	157	159	0	170	143	0	0	0	0	0	0
700	85	0	87	0	178	0	161	0	0	0	0	0	157	0	183	123	158	0	207	121	177	0	192	155	163	0	176	145	0	0	0	0	0	0
800	97	0	99	0	194	0	178	0	0	0	0	0	161	0	195	128	158	0	223	113	175	0	189	154	162	0	189	147	0	0	0	0	0	0
900	86	0	78	0	158	0	144	0	0	0	0	0	163	0	203	124	164	0	209	121	139	0	192	163	166	0	181	151	0	0	0	0	0	0
1000	100	0	93	0	177	0	150	0	0	0	0	0	175	0	221	108	173	0	232	109	186	0	213	151	173	0	206	141	0	0	0	0	0	0
1100	113	0	107	0	197	0	174	0	0	0	0	0	176	0	228	118	172	0	252	93	184	0	211	155	171	0	254	143	0	0	0	0	0	0
1200	116	0	107	0	206	0	178	0	0	0	0	0	179	0	216	133	179	0	253	120	189	0	217	171	175	0	197	95	0	0	0	0	0	0
1300	103	0	82	0	175	0	152	0	0	0	0	0	198	0	260	119	200	0	264	114	201	0	230	164	188	0	224	149	0	0	0	0	0	0
1400	120	0	101	0	205	0	178	0	0	0	0	0	195	0	254	118	198	0	267	109	199	0	219	164	188	0	222	160	0	0	0	0	0	0
1500	133	0	113	0	208	0	179	0	0	0	0	0	209	0	264	130	208	0	260	128	204	0	225	163	192	0	216	164	0	0	0	0	0	0
1600	116	0	95	0	207	0	180	0	0	0	0	0	206	0	266	146	204	0	245	125	205	0	226	175	192	0	222	158	0	0	0	0	0	0
1700	118	0	98	0	193	0	168	0	0	0	0	0	212	0	251	161	209	0	266	114	209	0	236	185	195	0	220	163	0	0	0	0	0	0
1800	133	0	114	0	182	0	163	0	0	0	0	0	222	0	288	193	221	0	310	186	219	0	252	170	204	0	235	164	0	0	0	0	0	0
1900	139	0	123	0	192	0	185	0	0	0	0	0	224	0	266	195	221	0	265	159	222	0	246	191	207	0	234	170	0	0	0	0	0	0
2000	140	0	133	0	211	0	214	0	0	0	0	0	238	0	263	203	235	0	291	187	234	0	259	204	219	0	235	191	0	0	0	0	0	0
2100	126	0	110	0	187	0	183	0	0	0	0	0	228	0	258	200	224	0	268	192	227	0	250	189	212	0	234	179	0	0	0	0	0	0
2200	117	0	109	0	166	0	169	0	0	0	0	0	233	0	266	207	229	0	267	174	233	0	259	204	218	0	248	197	0	0	0	0	0	0
2300	171	0	175	0	248	0	273	0	0	0	0	0	247	0	270	225	244	0	265	210	250	0	263	231	233	0	243	213	0	0	0	0	0	0
2400	161	0	161	0	234	0	247	0	0	0	0	0	251	0	292	232	248	0	272	213	255	0	274	246	239	0	265	230	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	260	0	252	0	305	0	299	0	320	0	320	0	45	0	49	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
200	258	0	251	0	308	0	303	0	320	0	320	0	50	0	54	0	0	0	0	0	299	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
300	269	0	261	0	305	0	301	0	320	0	320	0	38	0	41	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
400	276	0	269	0	305	0	299	0	320	0	320	0	31	0	32	0	0	0	0	0	338	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
500	285	0	279	0	297	0	292	0	320	0	320	0	13	0	16	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
600	278	0	270	0	296	0	290	0	320	0	320	0	20	0	22	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
700	287	0	279	0	297	0	292	0	320	0	320	0	13	0	14	0	0	0	0	0	334	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
800	292	0	285	0	299	0	294	0	320	0	320	0	7	0	9	0	0	0	0	0	334	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
900	312	0	306	0	306	0	301	0	320	0	320	0	-5	0	-4	0	0	0	0	0	349	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
1000	363	0	358	0	351	0	345	0	320	0	320	0	-13	0	-11	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	0	0	137	0
1100	390	0	383	0	370	0	365	0	320	0	320	0	-20	0	-18	0	0	0	0	0	390	2	0	0	0	0	0	0	0	0	0	0	0	0	138	0
1200	414	0	406	0	396	0	390	0	320	0	320	0	-18	0	-16	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	141	0
1300	459	0	453	0	433	0	428	0	320	0	320	0	-23	0	-22	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	143	0
1400	448	0	441	0	432	0	426	0	320	0	320	0	-14	0	-13	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	145	0
1500	435	0	430	0	428	0	423	0	320	0	320	0	-9	0	-7	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	145	0
1600	414	0	406	0	408	0	403	0	320	0	320	0	-4	0	-2	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	145	0
1700	412	0	405	0	405	0	399	0	320	0	320	0	-7	0	-5	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	146	0
1800	410	0	405	0	403	0	397	0	320	0	320	0	-5	0	-5	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	146	0
1900	397	0	392	0	398	0	388	0	320	0	320	0	-4	0	-2	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	147	0
2000	385	0	378	0	381	0	376	0	320	0	320	0	-4	0	2	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	148	0
2100	387	0	381	0	381	0	378	0	320	0	320	0	-4	0	-4	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	151	0
2200	383	0	378	0	378	0	372	0	320	0	320	0	-5	0	-4	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	155	0
2300	358	0	351	0	360	0	351	0	320	0	320	0	0	0	2	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
2400	336	0	331	0	331	0	325	0	320	0	320	0	-5	0	-4	0	0	0	0	0	403	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	108	0	100	0	162	0	171	0	0	0	0	0	227	0	257	200	226	0	273	191	229	0	256	198	219	0	243	191	0	0	0	0	0	0	0	0
200	123	0	121	0	179	0	190	0	0	0	0	0	235	0	253	199	233	0	270	192	236	0	259	209	221	0	241	199	0	0	0	0	0	0	0	0
300	150	0	149	0	222	0	233	0	0	0	0	0	240	0	268	211	237	0	269	193	240	0	266	206	223	0	248	190	0	0	0	0	0	0	0	0
400	203	0	212	0	275	0	288	0	0	0	0	0	267	0	296	249	264	0	294	226	268	0	281	257	252	0	258	249	0	0	0	0	0	0	0	0
500	174	0	182	0	262	0	275	0	0	0	0	0	262	0	280	229	258	0	287	229	265	0	281	248	249	0	258	242	0	0	0	0	0	0	0	0
600	249	0	252	0	286	0	300	0	0	0	0	0	268	0	289	248	264	0	279	231	271	0	280	260	255	0	263	245	0	0	0	0	0	0	0	0
700	224	0	232	0	249	0	260	0	0	0	0	0	269	0	281	247	263	0	288	221	272	0	282	246	256	0	269	247	0	0	0	0	0	0	0	0
800	202	0	216	0	260	0	273	0	0	0	0	0	267	0	281	250	263	0	300	237	268	0	280	251	252	0	258	249	0	0	0	0	0	0	0	0
900	223	0	231	0	247	0	257	0	0	0	0	0	268	0	278	253	265	0	286	233	272	0	280	263	256	0	261	248	0	0	0	0	0	0	0	0
1000	173	0	176	0	214	0	225	0	0	0	0	0	267	0	290	238	265	0	294	232	269	0	276	243	253	0	258	242	0	0	0	0	0	0	0	0
1100	162	0	163	0	238	0	248	0	0	0	0	0	254	0	286	239	251	0	307	218	259	0	280	250	243	0	255	230	0	0	0	0	0	0	0	0
1200	164	0	166	0	234	0	244	0	0	0	0	0	254	0	279	239	250	0	280	227	259	0	280	230	243	0	270	223	0	0	0	0	0	0	0	0
1300	174	0	173	0	241	0	254	0	0	0	0	0	263	0	284	239	258	0	283	230	264	0	276	250	249	0	265	232	0	0	0	0	0	0	0	0
1400	127	0	129	0	181	0	188	0	0	0	0	0	256	0	290	233	251	0	283	218	261	0	285	240	245	0	274	223	0	0	0	0	0	0	0	0
1500	168	0	167	0	220	0	232	0	0	0	0	0	250	0	285	226	247	0	289	211	255	0	265	240	239	0	247	226	0	0	0	0	0	0	0	0
1600	142	0	142	0	182	0	192	0	0	0	0	0	249	0	269	231	243	0	279	210	251	0	260	236	235	0	247	218	0	0	0	0	0	0	0	0
1700	83	0	84	0	122	0	130	0	0	0	0	0	242	0	266	199	242	0	272	214	245	0	265	220	228	0	245	203	0	0	0	0	0	0	0	0
1800	114	0	115	0	160	0	167	0	0	0	0	0	240	0	262	208	237	0	265	190	241	0	258	222	224	0	248	188	0	0	0	0	0	0	0	0
1900	102	0	93	0	143	0	146	0	0	0	0	0	229	0	264	200	229	0	265	193	230	0	258	206	214	0	235	196	0	0	0	0	0	0	0	0
2000	102	0	95	0	147	0	146	0	0	0	0	0	228	0	255	188	226	0	262	190	229	0	248	206	214	0	236	191	0	0	0	0	0	0	0	0
2100	118	0	121	0	167	0	179	0	0	0	0	0	246	0	267	212	244	0	276	217	246	0	260	225	230	0	257	210	0	0	0	0	0	0	0	0
2200	108	0	109	0	163	0	174	0	0	0	0	0	244	0	278	218	238	0	272	188	244	0	259	224	228	0	240	213	0	0	0	0	0	0	0	0
2300	86	0	73	0	122	0	119	0	0	0	0	0	221	0	255	198	220	0	274	187	225	0	248	202	209	0	241	186	0	0	0	0	0	0	0	0
2400	76	0	68	0	113	0	113	0	0	0	0	0	229	0	270	195	225	0	269	163	229	0	250	201	213	0	240	179	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	336	0	331	0	333	0	325	0	320	0	320	0	-5	0	-4	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
200	338	0	333	0	333	0	329	0	320	0	320	0	-5	0	-4	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
300	342	0	334	0	334	0	329	0	320	0	320	0	-5	0	-4	0	0	0	0	0	406	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
400	331	0	324	0	324	0	320	0	320	0	320	0	-5	0	-4	0	0	0	0	0	403	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
500	324	0	317	0	317	0	312	0	320	0	320	0	-5	0	-4	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
600	320	0	314	0	310	0	305	0	320	0	320	0	-9	0	-7	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
700	315	0	308	0	305	0	299	0	320	0	320	0	-11	0	-9	0	0	0	0	0	406	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
800	306	0	301	0	298	0	290	0	320	0	320	0	-11	0	-7	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
900	299	0	294	0	288	0	283	0	320	0	320	0	-11	0	-9	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1000	297	0	292	0	287	0	281	0	320	0	320	0	-11	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1100	306	0	299	0	294	0	290	0	320	0	320	0	-11	0	-9	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1200	301	0	296	0	290	0	285	0	320	0	320	0	-11	0	-9	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1300	306	0	299	0	294	0	290	0	320	0	320	0	-11	0	-9	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1400	312	0	305	0	299	0	292	0	320	0	320	0	-13	0	-11	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1500	315	0	310	0	301	0	297	0	320	0	320	0	-14	0	-11	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1600	312	0	306	0	299	0	294	0	320	0	320	0	-13	0	-11	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1700	315	0	310	0	308	0	301	0	320	0	320	0	-9	0	-7	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1800	327	0	320	0	320	0	314	0	320	0	320	0	-7	0	-5	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
1900	333	0	327	0	327	0	322	0	320	0	320	0	-5	0	-4	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
2000	329	0	322	0	320	0	315	0	320	0	320	0	-7	0	-5	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
2100	320	0	314	0	314	0	310	0	320	0	320	0	-5	0	-4	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	156	0
2200	329	0	322	0	324	0	320	0	320	0	320	0	-4	0	-2	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	158	0
2300	338	0	331	0	334	0	329	0	320	0	320	0	-4	0	-4	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	158	0
2400	342	0	334	0	336	0	329	0	320	0	320	0	-5	0	-4	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0

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

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

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR FEBRUARY 9, 1999 PAGE 35

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX S	WIND DIR2	MIN 150A	MAX S	WIND DIR3	MIN 150B	MAX S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6		
100	109	0	105	0	154	0	158	0	0	0	0	0	234	0	264	202	232	0	271	193	231	0	254	213	217	0	234	193	0	0
200	102	0	102	0	158	0	166	0	0	0	0	0	237	0	266	203	235	0	265	192	240	0	278	220	225	0	247	207	0	0
300	118	0	122	0	166	0	176	0	0	0	0	0	246	0	265	227	243	0	294	216	253	0	260	240	236	0	247	220	0	0
400	113	0	115	0	170	0	178	0	0	0	0	0	252	0	271	238	249	0	275	223	258	0	270	250	243	0	257	235	0	0
500	123	0	125	0	180	0	188	0	0	0	0	0	251	0	287	226	247	0	286	207	255	0	260	246	239	0	247	232	0	0
600	131	0	133	0	194	0	205	0	0	0	0	0	249	0	272	228	246	0	279	212	254	0	262	246	237	0	243	222	0	0
700	132	0	130	0	188	0	198	0	0	0	0	0	251	0	273	235	250	0	283	220	254	0	259	242	238	0	245	231	0	0
800	129	0	129	0	189	0	199	0	0	0	0	0	254	0	272	237	251	0	286	209	258	0	268	247	243	0	254	235	0	0
900	112	0	112	0	173	0	181	0	0	0	0	0	254	0	276	238	251	0	291	220	260	0	265	254	245	0	251	229	0	0
1000	145	0	151	0	176	0	184	0	0	0	0	0	267	0	285	245	263	0	294	230	273	0	288	265	256	0	265	247	0	0
1100	97	0	99	0	152	0	162	0	0	0	0	0	261	0	288	238	258	0	292	209	264	0	276	232	247	0	260	220	0	0
1200	138	0	145	0	176	0	186	0	0	0	0	0	264	0	279	243	260	0	284	235	267	0	275	257	251	0	257	240	0	0
1300	100	0	102	0	153	0	162	0	0	0	0	0	255	0	279	230	253	0	297	214	261	0	274	250	245	0	257	239	0	0
1400	147	0	155	0	184	0	194	0	0	0	0	0	264	0	280	239	262	0	294	237	268	0	278	249	252	0	261	238	0	0
1500	137	0	141	0	190	0	200	0	0	0	0	0	264	0	284	243	261	0	287	225	267	0	280	241	251	0	262	236	0	0
1600	205	0	206	0	247	0	251	0	0	0	0	0	311	0	323	295	303	0	326	282	321	0	327	315	299	0	313	293	0	0
1700	228	0	230	0	259	0	261	0	0	0	0	0	311	0	319	291	304	0	319	283	319	0	325	314	297	0	30[illegible]	290	0	0
1800	203	0	202	0	249	0	253	0	0	0	0	0	312	0	325	293	306	0	327	277	322	0	330	314	300	0	305	286	0	0
1900	199	0	193	0	243	0	245	0	0	0	0	0	310	0	324	297	303	0	325	278	323	0	333	313	301	0	308	292	0	0
2000	139	0	140	0	200	0	201	0	0	0	0	0	315	0	329	294	309	0	347	271	32[illegible]	0	342	316	308	0	323	298	0	0
2100	187	0	191	0	232	0	236	0	0	0	0	0	312	0	324	297	304	0	325	242	32[illegible]	0	331	304	299	0	306	290	0	0
2200	161	0	159	0	191	0	193	0	0	0	0	0	311	0	329	296	304	0	325	275	320	0	332	304	298	0	310	286	0	0
2300	126	0	125	0	164	0	167	0	0	0	0	0	311	0	330	289	304	0	335	278	320	0	333	305	298	0	310	283	0	0
2400	136	0	129	0	166	0	173	0	0	0	0	0	303	0	325	288	298	0	319	269	313	0	333	302	291	0	309	279	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	343	0	338	0	338	0	333	0	320	0	320	0	-5	0	-4	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
200	342	0	334	0	336	0	331	0	320	0	320	0	-5	0	-4	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
300	338	0	331	0	334	0	329	0	320	0	320	0	-4	0	0	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
400	325	0	320	0	325	0	322	0	320	0	320	0	2	0	4	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
500	322	0	314	0	315	0	310	0	320	0	320	0	-5	0	-4	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
600	317	0	310	0	310	0	305	0	320	0	320	0	-7	0	-4	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
700	315	0	310	0	308	0	303	0	320	0	320	0	-7	0	-5	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
800	315	0	308	0	306	0	303	0	320	0	320	0	-7	0	-5	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
900	317	0	310	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1000	320	0	315	0	314	0	305	0	320	0	320	0	-9	0	-7	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1100	324	0	317	0	310	0	305	0	320	0	320	0	-13	0	-11	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1200	325	0	322	0	310	0	306	0	320	0	320	0	-13	0	-11	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1300	322	0	314	0	305	0	301	0	320	0	320	0	-14	0	-13	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1400	315	0	308	0	303	0	297	0	320	0	320	0	-13	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1500	306	0	301	0	296	0	292	0	320	0	320	0	-11	0	-7	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1600	297	0	290	0	287	0	281	0	320	0	320	0	-11	0	-7	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1700	299	0	294	0	283	0	279	0	320	0	320	0	-14	0	-13	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1800	294	0	288	0	283	0	276	0	320	0	320	0	-11	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1900	288	0	283	0	278	0	270	0	320	0	320	0	-11	0	-9	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2000	285	0	279	0	274	0	269	0	320	0	320	0	-13	0	-9	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2100	281	0	276	0	269	0	263	0	320	0	320	0	-13	0	-11	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2200	274	0	267	0	261	0	256	0	320	0	320	0	-11	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2300	276	0	270	0	267	0	261	0	320	0	320	0	-9	0	-7	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2400	278	0	270	0	267	0	261	0	320	0	320	0	-9	0	-7	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	124	0	128	0	155	0	158	0	0	0	0	0	307	0	326	290	302	0	321	269	316	0	325	308	299	0	306	299	0	0	0	0	0	0
200	102	0	103	0	121	0	124	0	0	0	0	0	314	0	336	285	307	0	340	273	323	0	332	314	300	0	311	283	0	0	0	0	0	0
300	81	0	82	0	97	0	100	0	0	0	0	0	311	0	329	292	306	0	344	278	320	0	341	308	298	0	313	286	0	0	0	0	0	0
400	91	0	92	0	90	0	93	0	0	0	0	0	311	0	332	292	304	0	332	280	316	0	331	309	294	0	310	286	0	0	0	0	0	0
500	12	0	13	0	28	0	34	0	0	0	0	0	289	3	354	211	278	3	350	207	311	0	328	294	292	0	316	272	0	0	0	0	0	0
600	47	0	48	0	58	0	60	0	0	0	0	0	318	0	355	287	315	0	17	272	329	0	350	286	308	0	331	268	0	0	0	0	0	0
700	15	0	16	0	24	0	27	0	0	0	0	0	4	3	170	286	358	3	147	288	17	3	29	350	3	3	65	320	0	0	0	0	0	0
800	32	0	33	0	45	0	48	0	0	0	0	0	123	0	155	90	126	0	154	93	145	0	159	115	131	0	145	104	0	0	0	0	0	0
900	67	0	77	0	83	0	98	0	0	0	0	0	67	0	83	46	66	0	87	28	66	0	89	43	50	0	76	27		0	0	0	0	1
1000	57	0	61	0	66	0	71	0	0	0	0	0	83	0	103	50	79	0	113	37	82	0	114	55	66	0	103	29	0	0	0	0	0	0
1100	40	0	42	0	43	0	46	0	0	0	0	0	82	0	106	43	81	0	109	49	86	0	122	53	69	0	103	30	0	0	0	0	0	0
1200	46	0	53	0	50	0	58	0	0	0	0	0	64	0	84	41	61	0	95	32	72	0	102	50	55	0	90	26	0	0	0	0	0	0
1300	72	0	70	0	89	0	89	0	0	0	0	0	6	0	62	313	1	0	45	295	17	0	52	350	357	0	53	318	0	0	0	0	0	0
1400	58	0	54	0	76	0	74	0	0	0	0	0	355	0	46	310	348	0	69	276	3	0	52	311	344	0	35	291	0	0	0	0	0	0
1500	174	0	177	0	233	0	228	0	0	0	0	0	24	0	53	355	20	0	82	343	17	0	46	335	359	0	46	312	0	0	0	0	0	0
1600	158	0	152	0	251	0	242	0	0	0	0	0	352	0	35	315	345	0	58	288	359	0	34	317	340	0	40	294	0	0	0	0	0	0
1700	193	0	181	0	280	0	269	0	0	0	0	0	352	0	27	329	347	0	47	295	357	0	29	316	337	0	17	292	0	0	0	0	0	0
1800	210	0	199	0	300	0	289	0	0	0	0	0	349	0	21	323	339	0	23	284	358	0	34	339	338	0	15	312	0	0	0	0	0	0
1900	229	0	219	0	312	0	303	0	0	0	0	0	346	0	34	325	338	0	28	304	355	0	25	338	334	0	9	310	0	0	0	0	0	0
2000	171	0	156	0	260	0	253	0	0	0	0	0	352	0	93	319	347	0	61	293	359	0	26	315	339	0	15	300	0	0	0	0	0	1
2100	232	0	221	0	314	0	309	0	0	0	0	0	345	0	5	324	338	0	16	304	350	0	5	330	330	0	347	314	0	0	0	0	0	0
2200	196	0	192	0	262	0	256	0	0	0	0	0	346	0	14	320	342	0	25	307	351	0	16	328	332	0	6	302	0	0	0	0	0	0
2300	188	0	183	0	264	0	255	0	0	0	0	0	341	0	17	311	330	0	13	284	349	0	15	327	329	0	1	306	0	0	0	0	0	0
2400	209	0	210	0	285	0	285	0	0	0	0	0	333	0	356	294	325	0	357	270	341	0	9	315	320	0	346	302	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	276	0	269	0	265	0	260	0	320	0	320	0	-9	0	-7	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
200	269	0	261	0	258	0	251	0	320	0	320	0	-11	0	-7	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
300	263	0	256	0	251	0	245	0	320	0	320	0	-11	0	-7	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
400	249	0	242	0	238	0	233	0	320	0	320	0	-9	0	-7	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
500	245	0	238	0	238	0	233	0	320	0	320	0	-7	0	-5	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
600	249	0	243	0	238	0	233	0	320	0	320	0	-9	0	-7	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
700	249	0	242	0	240	0	234	0	320	0	320	0	-9	0	-5	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
800	236	0	229	0	227	0	222	0	320	0	320	0	-9	0	-5	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
900	220	0	213	0	209	0	204	0	320	0	320	0	-11	0	-7	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1000	229	0	224	0	216	0	211	0	320	0	320	0	-13	0	-11	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1100	243	0	240	0	229	0	224	0	320	0	320	0	-14	0	-14	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1200	243	0	238	0	231	0	225	0	320	0	320	0	-13	0	-13	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1300	272	0	267	0	263	0	258	0	320	0	320	0	-9	0	-7	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1400	259	0	249	0	242	0	238	0	320	0	320	0	-13	0	-11	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1500	233	0	227	0	222	0	216	0	320	0	320	0	-11	0	-9	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1600	238	0	233	0	225	0	220	0	320	0	320	0	-13	0	-11	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1700	227	0	222	0	216	0	211	0	320	0	320	0	-11	0	-9	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1800	220	0	213	0	207	0	202	0	320	0	320	0	-11	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1900	215	0	207	0	202	0	197	0	320	0	320	0	-11	0	-9	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2000	209	0	202	0	198	0	195	0	320	0	320	0	-11	0	-7	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2100	204	0	197	0	191	0	186	0	320	0	320	0	-11	0	-9	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2200	207	0	200	0	195	0	189	0	320	0	320	0	-11	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2300	204	0	197	0	193	0	188	0	320	0	320	0	-11	0	-7	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2400	202	0	195	0	191	0	186	0	320	0	320	0	-11	0	-7	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S			
100	199	0	202	0	285	0	277	0	0	0	0	0	333	0	2	304	325	0	16	276	341	0	354	325	320	0	332	309	0	0	0	0	0	0	0
200	198	0	199	0	278	0	273	0	0	0	0	0	333	0	9	293	323	0	17	285	341	0	358	319	319	0	346	305	0	0	0	0	0	0	0
300	189	0	189	0	268	0	265	0	0	0	0	0	331	0	359	295	323	0	3	282	338	0	2	310	318	0	345	290	0	0	0	0	0	0	0
400	164	0	167	0	220	0	221	0	0	0	0	0	327	0	352	294	320	0	356	280	333	0	348	317	312	0	329	293	0	0	0	0	0	0	0
500	152	0	150	0	216	0	215	0	0	0	0	0	320	0	354	297	315	0	4	277	332	0	357	314	310	0	329	293	0	0	0	0	0	0	0
600	163	0	164	0	226	0	229	0	0	0	0	0	315	0	340	287	309	0	354	271	327	0	356	309	305	0	340	285	0	0	0	0	0	0	0
700	215	0	208	0	274	0	278	0	0	0	0	0	303	0	321	281	295	0	318	267	312	0	326	300	290	0	304	279	0	0	0	0	0	0	0
800	194	0	191	0	236	0	238	0	0	0	0	0	308	0	330	283	298	0	328	259	318	0	336	296	296	0	314	278	0	0	0	0	0	0	0
900	158	0	148	0	187	0	191	0	0	0	0	0	302	0	321	282	294	0	320	270	310	0	326	297	289	0	308	277	0	0	0	0	0	0	0
1000	138	0	137	0	164	0	169	0	0	0	0	0	298	0	322	260	290	0	319	253	301	0	320	256	281	0	308	232	0	0	0	0	0	0	0
1100	160	0	152	0	198	0	203	0	0	0	0	0	299	0	318	278	292	0	344	251	307	0	325	279	286	0	301	267	0	0	0	0	0	0	0
1200	190	0	184	0	226	0	232	0	0	0	0	0	297	0	321	244	290	0	313	230	305	0	312	291	285	0	290	274	0	0	0	0	0	0	0
1300	153	0	146	0	173	0	184	0	0	0	0	0	295	0	317	265	289	0	324	254	299	0	318	258	279	0	297	251	0	0	0	0	0	0	0
1400	156	0	153	0	184	0	191	0	0	0	0	0	294	0	325	249	286	0	326	246	301	0	321	272	279	0	299	247	0	0	0	0	0	0	0
1500	157	0	151	0	185	0	191	0	0	0	0	0	299	0	319	273	292	0	317	272	304	0	324	280	283	0	306	258	0	0	0	0	0	0	0
1600	118	0	121	0	134	0	143	0	0	0	0	0	275	0	325	238	270	0	314	222	283	0	316	246	265	0	317	225	0	0	0	0	0	0	0
1700	110	0	112	0	132	0	138	0	0	0	0	0	282	0	327	251	276	0	329	241	288	0	315	253	269	0	293	235	0	0	0	0	0	0	0
1800	116	0	119	0	133	0	140	0	0	0	0	0	277	0	322	231	272	0	340	219	288	0	316	258	270	0	300	236	0	0	0	0	0	0	0
1900	127	0	130	0	148	0	156	0	0	0	0	0	298	0	326	253	291	0	323	255	300	0	318	249	279	0	298	223	0	0	0	0	0	0	0
2000	131	0	137	0	171	0	174	0	0	0	0	0	308	0	332	287	302	0	340	270	316	0	339	299	296	0	316	280	0	0	0	0	0	0	0
2100	112	0	115	0	145	0	147	0	0	0	0	0	312	0	355	279	307	0	351	275	323	0	356	292	301	0	332	269	0	0	0	0	0	0	0
2200	127	0	131	0	155	0	159	0	0	0	0	0	300	0	317	283	295	0	334	262	310	0	325	293	288	0	303	275	0	0	0	0	0	0	0
2300	125	0	129	0	157	0	161	0	0	0	0	0	298	0	329	272	292	0	328	264	306	0	332	279	285	0	313	258	0	0	0	0	0	0	0
2400	118	0	117	0	149	0	155	0	0	0	0	0	301	0	334	273	296	0	333	270	309	0	327	271	289	0	310	258	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	204	0	198	0	193	0	188	0	320	0	320	0	-11	0	-9	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
200	198	0	193	0	188	0	182	0	320	0	320	0	-11	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
300	191	0	184	0	180	0	175	0	320	0	320	0	-11	0	-9	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
400	186	0	180	0	175	0	171	0	320	0	320	0	-11	0	-9	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
500	188	0	180	0	175	0	171	0	320	0	320	0	-11	0	-9	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
600	186	0	180	0	175	0	170	0	320	0	320	0	-11	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
700	175	0	168	0	161	0	155	0	320	0	320	0	-13	0	-9	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
800	168	0	159	0	153	0	148	0	320	0	320	0	-15	0	-9	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
900	166	0	159	0	152	0	148	0	320	0	320	0	-13	0	-9	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1000	170	0	162	0	155	0	150	0	320	0	320	0	-13	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1100	170	0	162	0	155	0	150	0	320	0	320	0	-14	0	-13	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1200	162	0	155	0	146	0	141	0	320	0	320	0	-16	0	-13	0	0	0	0	0	406	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1300	162	0	155	0	146	0	141	0	320	0	320	0	-16	0	-14	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1400	157	0	150	0	143	0	137	0	320	0	320	0	-14	0	-11	0	0	0	0	0	414	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1500	153	0	146	0	139	0	134	0	320	0	320	0	-14	0	-13	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1600	152	0	144	0	139	0	135	0	320	0	320	0	-13	0	-9	0	0	0	0	0	406	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1700	146	0	139	0	135	0	130	0	320	0	320	0	-11	0	-9	0	0	0	0	0	403	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1800	146	0	139	0	137	0	132	0	320	0	320	0	-11	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1900	139	0	134	0	130	0	125	0	320	0	320	0	-11	0	-7	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2000	135	0	128	0	125	0	119	0	320	0	320	0	-11	0	-7	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2100	139	0	132	0	128	0	125	0	320	0	320	0	-11	0	-7	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2200	141	0	134	0	130	0	126	0	320	0	320	0	-11	0	-7	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2300	146	0	139	0	137	0	132	0	320	0	320	0	-11	0	-7	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2400	150	0	141	0	139	0	135	0	320	0	320	0	-11	0	-7	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	109	0	106	0	130	0	130	0	0	0	0	0	316	0	355	290	307	0	346	272	327	0	0	302	305	0	333	283	0	0	0	0	0	0	
200	135	0	133	0	160	0	165	0	0	0	0	0	301	0	323	280	294	0	325	267	306	0	324	288	285	0	301	268	0	0	0	0	0	0	
30	130	0	130	0	151	0	161	0	0	0	0	0	296	0	317	247	288	0	332	235	299	0	319	254	279	0	299	243	0	0	0	0	0	0	
400	135	0	134	0	157	0	164	0	0	0	0	0	293	0	325	245	285	0	346	237	296	0	325	259	277	0	308	245	0	0	0	0	0	0	
500	103	0	102	0	127	0	130	0	0	0	0	0	301	0	328	275	294	0	332	270	305	0	324	276	284	0	307	263	0	0	0	0	0	0	
600	65	0	66	0	72	0	78	0	0	0	0	0	280	0	321	240	274	0	311	226	286	0	321	245	267	0	297	229	0	0	0	0	0	0	
700	104	0	103	0	119	0	122	0	0	0	0	0	303	0	327	261	295	0	321	243	308	0	330	290	287	0	308	267	0	0	0	0	0	0	
800	121	0	119	0	134	0	139	0	0	0	0	0	296	0	319	262	288	0	318	237	300	0	317	268	279	0	295	207	0	0	0	0	0	0	
900	115	0	115	0	129	0	135	0	0	0	0	0	292	0	316	254	296	0	331	251	297	0	328	232	277	0	302	239	0	0	0	0	0	0	
1000	110	0	110	0	128	0	133	0	0	0	0	0	273	0	308	219	267	0	311	232	279	0	309	247	260	0	298	229	0	0	0	0	0	0	
1100	124	0	126	0	135	0	143	0	0	0	0	0	267	0	294	249	261	0	300	225	274	0	302	258	257	0	287	230	0	0	0	0	0	0	
1200	121	0	124	0	142	0	149	0	0	0	0	0	264	0	294	237	259	0	280	226	269	0	292	250	252	0	276	239	0	0	0	0	0	0	
1300	94	0	95	0	107	0	112	0	0	0	0	0	271	0	313	241	266	0	319	226	277	0	310	240	259	0	298	231	0	0	0	0	0	0	
1400	100	0	101	0	110	0	115	0	0	0	0	0	266	0	318	237	260	0	292	220	277	0	308	249	258	0	303	210	0	0	0	0	0	0	
1500	78	0	78	0	90	0	93	0	0	0	0	0	274	0	358	231	268	0	314	230	283	0	323	249	265	0	332	216	0	0	0	0	0	0	
1600	79	0	79	0	90	0	95	0	0	0	0	0	260	0	293	231	256	0	284	218	266	0	302	226	250	0	286	213	0	0	0	0	0	0	
1700	83	0	85	0	87	0	91	0	0	0	0	0	262	0	284	239	258	0	292	227	274	0	302	253	256	0	287	244	0	0	0	0	0	0	
1800	71	0	73	0	78	0	84	0	0	0	0	0	259	0	279	230	256	0	281	220	267	0	283	249	250	0	265	231	0	0	0	0	0	0	
1900	48	0	43	0	84	0	70	0	0	0	0	0	189	0	255	143	187	0	256	131	202	0	257	173	187	0	239	162	0	0	0	0	0	0	
2000	48	0	36	0	93	0	83	0	0	0	0	0	200	0	223	149	197	0	240	149	211	0	230	200	198	0	213	189	0	0	0	0	0	0	
2100	54	0	46	0	81	0	77	0	0	0	0	0	216	0	249	175	215	0	260	143	220	0	237	200	207	0	222	189	0	0	0	0	0	0	
2200	79	0	72	0	115	0	117	0	0	0	0	0	225	0	253	199	222	0	259	194	230	0	259	211	214	0	242	192	0	0	0	0	0	0	
2300	65	0	54	0	103	0	97	0	0	0	0	0	216	0	268	178	212	0	253	164	222	0	244	197	207	0	231	179	0	0	0	0	0	0	
2400	69	0	55	0	121	0	113	0	0	0	0	0	204	0	240	168	201	0	245	162	217	0	234	200	204	0	223	190	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	152	0	144	0	141	0	137	0	320	0	320	0	-11	0	-7	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
200	150	0	143	0	139	0	135	0	320	0	320	0	-11	0	-7	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
300	152	0	144	0	141	0	135	0	320	0	320	0	-11	0	-7	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
400	150	0	144	0	139	0	135	0	320	0	320	0	-11	0	-7	0	0	0	0	0	403	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
500	152	0	144	0	143	0	137	0	320	0	320	0	-9	0	-7	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
600	161	0	153	0	152	0	146	0	320	0	320	0	-7	0	-5	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
700	171	0	164	0	161	0	155	0	320	0	320	0	-9	0	-7	0	0	0	0	0	406	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
800	175	0	168	0	162	0	157	0	320	0	320	0	-11	0	-9	0	0	0	0	0	403	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
900	175	0	168	0	164	0	157	0	320	0	320	0	-11	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	160	0
1000	177	0	171	0	166	0	161	0	320	0	320	0	-13	0	-9	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	6
1100	177	0	171	0	166	0	161	0	320	0	320	0	-13	0	-9	0	0	0	0	0	406	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1200	171	0	164	0	157	0	152	0	320	0	320	0	-14	0	-11	0	0	0	0	0	401	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1300	193	0	186	0	180	0	177	0	320	0	320	0	-13	0	-9	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1400	195	0	188	0	180	0	175	0	320	0	320	0	-16	0	-11	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	160	0
1500	202	0	197	0	189	0	179	0	320	0	320	0	-20	0	-16	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	159	6
1600	198	0	191	0	189	0	179	0	320	0	320	0	-14	0	-11	0	0	0	0	0	406	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1700	195	0	188	0	184	0	179	0	320	0	320	0	-11	0	-9	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1800	191	0	184	0	180	0	175	0	320	0	320	0	-11	0	-7	0	0	0	0	0	394	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1900	175	0	168	0	164	0	159	0	320	0	320	0	-9	0	-7	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2000	135	0	128	0	137	0	134	0	320	0	320	0	2	0	5	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2100	141	0	134	0	134	0	128	0	320	0	320	0	-7	0	-4	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2200	139	0	132	0	135	0	130	0	320	0	320	0	-4	0	0	0	0	0	0	0	251	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2300	143	0	137	0	139	0	135	0	320	0	320	0	-4	0	0	0	0	0	0	0	234	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0
2400	128	0	121	0	137	0	134	0	320	0	320	0	11	0	13	0	0	0	0	0	218	2	0	0	0	0	0	0	0	0	0	0	0	0	159	0

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

	WIND SPD1 50 A	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 50 A S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6
								50 B S			150A S			150B S			S			S		
100	99 0	88 0	132 0	139 0	0 0	0 0	220 0	248	213	227 0	249	203	255 0	262	238	238 0	246	216	0 0	0	0	0
200	83 0	80 0	126 0	133 0	0 0	0 0	232 0	253	190	229 0	254	182	243 0	264	215	227 0	244	210	0 0	0	0	0
300	82 0	68 0	118 0	124 0	0 0	0 0	222 0	244	204	218 0	240	192	230 0	242	213	215 0	224	196	0 0	0	0	0
400	76 0	65 0	111 0	117 0	0 0	0 0	225 0	245	209	222 0	257	188	243 0	248	228	226 0	235	210	0 0	0	0	0
500	78 0	58 0	127 0	134 0	0 0	0 0	209 0	227	186	205 0	224	171	234 0	242	224	218 0	223	212	0 0	0	0	0
600	76 0	56 0	117 0	123 0	0 0	0 0	208 0	224	187	204 0	228	172	240 0	245	230	223 0	227	214	0 0	0	0	0
700	73 0	65 0	134 0	141 0	0 0	0 0	185 0	209	159	181 0	206	146	227 0	234	221	213 0	219	205	0 0	0	0	0
800	74 0	64 0	149 0	158 0	0 0	0 0	187 0	207	165	185 0	217	143	232 0	235	223	217 0	219	211	0 0	0	0	0
900	73 0	63 0	129 0	114 0	0 0	0 0	183 0	216	149	182 0	226	123	214 0	228	191	200 0	214	175	0 0	0	0	0
1000	70 0	59 0	111 0	90 0	0 0	0 0	185 0	252	133	187 0	249	161	193 0	224	157	178 0	215	96	0 0	0	0	0
1100	63 0	60 0	116 0	101 0	0 0	0 0	173 0	236	113	171 0	266	103	190 0	239	157	176 0	203	144	0 0	0	0	0
1200	47 0	41 0	77 0	66 0	0 0	0 0	184 0	265	93	187 0	269	97	195 0	243	150	180 0	267	112	0 0	0	0	0
1300	62 0	57 0	93 0	80 0	0 0	0 0	193 0	252	125	190 0	248	116	193 0	220	145	179 0	227	118	0 0	0	0	0
1400	51 0	47 0	88 0	79 0	0 0	0 0	185 0	252	116	185 0	264	96	188 0	223	135	174 0	239	113	0 0	0	0	0
1500	58 0	58 0	94 0	84 0	0 0	0 0	175 0	257	94	170 0	266	105	188 0	235	129	175 0	226	127	0 0	0	0	0
1600	61 0	55 0	111 0	97 0	0 0	0 0	181 0	252	105	179 0	260	93	190 0	227	148	176 0	252	133	0 0	0	0	0
1700	65 0	57 0	103 0	89 0	0 0	0 0	188 0	236	120	188 0	248	117	189 0	212	149	177 0	213	130	0 0	0	0	0
1800	71 0	57 0	121 0	100 0	0 0	0 0	189 0	239	133	189 0	254	108	193 0	213	172	178 0	197	161	0 0	0	0	0
1900	78 0	66 0	151 0	125 0	0 0	0 0	194 0	253	128	194 0	252	103	195 0	216	168	181 0	218	146	0 0	0	0	0
2000	81 0	69 0	148 0	127 0	0 0	0 0	194 0	236	142	192 0	269	110	202 0	226	162	189 0	240	158	0 0	0	0	0
2100	97 0	77 0	159 0	141 0	0 0	0 0	211 0	238	168	209 0	266	137	216 0	248	190	203 0	356	186	0 0	0	0	0
2200	110 0	101 0	162 0	154 0	0 0	0 0	223 0	242	173	222 0	281	179	224 0	259	206	209 0	234	192	0 0	0	0	0
2300	113 0	107 0	172 0	176 0	0 0	0 0	231 0	264	198	228 0	258	196	231 0	250	209	236 0	236	176	0 0	0	0	0
2400	113 0	108 0	174 0	179 0	0 0	0 0	233 0	259	209	231 0	266	182	233 0	257	213	217 0	241	195	0 0	0	0	0

	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMP6 S	D.T. 1 180A S	D.T. 2 180B S	D.T. 3 S	D.T. 4 S	MISC 1 S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	132 0	125 0	171 0	166 0	320 0	320 0	40 0	43 0	0 0	0 0	206 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
200	132 0	125 0	141 0	137 0	320 0	320 0	11 0	14 0	0 0	0 0	200 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
300	126 0	119 0	128 0	125 0	320 0	320 0	4 0	5 0	0 0	0 0	197 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
400	135 0	128 0	144 0	139 0	320 0	320 0	11 0	14 0	0 0	0 0	193 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
500	107 0	99 0	148 0	143 0	320 0	320 0	41 0	45 0	0 0	0 0	186 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
600	92 0	83 0	152 0	146 0	320 0	320 0	63 0	65 0	0 0	0 0	173 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
700	67 0	60 0	141 0	135 0	320 0	320 0	74 0	77 0	0 0	0 0	166 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
800	67 0	60 0	152 0	146 0	320 0	320 0	85 0	88 0	0 0	0 0	166 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
900	92 0	87 0	146 0	141 0	320 0	320 0	52 0	56 0	0 0	0 0	238 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
1000	139 0	134 0	121 0	116 0	320 0	320 0	-14 0	-16 0	0 0	0 0	222 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
1100	184 0	177 0	148 0	143 0	320 0	320 0	-34 0	-31 0	0 0	0 0	222 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
1200	213 0	207 0	188 0	182 0	320 0	320 0	-27 0	-23 0	0 0	0 0	224 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
1300	291 0	243 0	215 0	209 0	320 0	320 0	-36 0	-32 0	0 0	0 0	215 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
1400	281 0	276 0	238 0	234 0	320 0	320 0	-41 0	-38 0	0 0	0 0	216 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
1500	284 0	283 0	254 0	251 0	320 0	320 0	-32 0	-31 0	0 0	0 0	209 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
1600	290 0	285 0	261 0	258 0	320 0	320 0	-29 0	-25 0	0 0	0 0	191 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
1700	285 0	278 0	261 0	258 0	320 0	320 0	-22 0	-18 0	0 0	0 0	182 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
1800	260 0	251 0	252 0	247 0	320 0	320 0	-5 0	-2 0	0 0	0 0	170 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
1900	251 0	245 0	251 0	245 0	320 0	320 0	0 0	2 0	0 0	0 0	162 2	0 0	0 0	0 0	0 0	0 0	0 0	159 0
2000	254 0	247 0	256 0	251 0	320 0	320 0	4 0	5 0	0 0	0 0	31 0	0 0	0 0	0 0	0 0	0 0	0 0	159 0
2100	261 0	254 0	265 0	260 0	320 0	320 0	4 0	5 0	0 0	0 0	33 0	0 0	0 0	0 0	0 0	0 0	0 0	159 0
2200	283 0	278 0	281 0	278 0	320 0	320 0	0 0	2 0	0 0	0 0	40 0	0 0	0 0	0 0	0 0	0 0	0 0	159 0
2300	290 0	285 0	288 0	283 0	320 0	320 0	2 0	2 0	0 0	0 0	44 0	0 0	0 0	0 0	0 0	0 0	0 0	159 0
2400	292 0	287 0	288 0	283 0	320 0	320 0	-4 0	2 0	0 0	0 0	44 0	0 0	0 0	0 0	0 0	0 0	0 0	159 0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	111	0	106	0	166	0	174	0	0	0	0	0	239	0	261	198	232	0	269	190	234	0	254	193	219	0	239	199	0	0	0	0	0
200	98	0	96	0	146	0	153	0	0	0	0	0	239	0	253	189	233	0	265	184	238	0	254	209	222	0	250	206	0	0	0	0	0
300	99	0	89	0	154	0	163	0	0	0	0	0	229	0	256	190	225	0	259	187	235	0	258	214	221	0	237	199	0	0	0	0	0
400	93	0	82	0	144	0	147	0	0	0	0	0	226	0	252	199	222	0	267	186	229	0	248	205	215	0	241	181	0	0	0	0	0
500	83	0	76	0	133	0	136	0	0	0	0	0	225	0	251	190	222	0	257	179	231	0	250	202	215	0	238	196	0	0	0	0	0
600	94	0	73	0	160	0	165	0	0	0	0	0	211	0	225	187	209	0	234	173	227	0	235	218	213	0	227	202	0	0	0	0	0
700	71	0	56	0	156	0	143	0	0	0	0	0	195	0	216	168	194	0	238	135	222	0	231	211	206	0	215	197	0	0	0	0	0
800	74	0	63	0	160	0	160	0	0	0	0	0	192	0	210	157	189	0	217	153	224	0	233	214	210	0	218	201	0	0	0	0	0
900	70	0	57	0	149	0	135	0	0	0	0	0	199	0	245	159	198	0	242	153	218	0	233	206	205	0	217	184	0	0	0	0	0
1000	45	0	35	0	93	0	84	0	0	0	0	0	195	0	240	126	191	0	240	102	216	0	245	174	201	0	232	167	0	0	0	0	0
1100	41	0	34	0	74	0	66	0	0	0	0	0	198	0	260	119	198	0	268	130	208	0	246	152	194	0	230	152	0	0	0	0	0
1200	32	0	31	0	51	0	49	0	0	0	0	0	159	0	259	111	158	0	230	90	188	0	242	135	175	0	240	129	0	0	0	0	0
1300	52	0	57	0	69	0	70	0	0	0	0	0	137	0	182	115	138	0	196	114	165	0	197	135	152	0	183	128	0	0	0	0	0
1400	76	0	71	0	114	0	100	0	0	0	0	0	180	0	228	121	178	0	239	98	182	0	204	143	170	0	190	142	0	0	0	0	0
1500	54	0	49	0	92	0	80	0	0	0	0	0	183	0	269	101	180	0	250	91	187	0	243	129	175	0	235	108	0	0	0	0	0
1600	70	0	60	0	114	0	95	0	0	0	0	0	191	0	251	140	181	0	253	133	190	0	223	169	175	0	201	153	0	0	0	0	0
1700	77	0	66	0	127	0	109	0	0	0	0	0	184	0	235	150	181	0	234	133	184	0	206	167	174	0	202	132	0	0	0	0	0
1800	60	0	51	0	123	0	101	0	0	0	0	0	192	0	245	103	189	0	245	119	193	0	219	169	178	0	196	145	0	0	0	0	0
1900	67	0	62	0	144	0	126	0	0	0	0	0	168	0	216	129	165	0	220	120	183	0	203	155	171	0	223	149	0	0	0	0	0
2000	79	0	75	0	157	0	162	0	0	0	0	0	145	0	173	127	144	0	169	110	165	0	174	154	152	0	163	142	0	0	0	0	0
2100	82	0	77	0	174	0	145	0	0	0	0	0	172	0	199	131	166	0	199	112	184	0	196	174	172	0	214	105	0	0	0	0	0
2200	77	0	70	0	161	0	139	0	0	0	0	0	162	0	192	126	159	0	215	118	181	0	195	168	167	0	178	153	0	0	0	0	0
2300	72	0	69	0	141	0	123	0	0	0	0	0	159	0	195	135	157	0	206	110	178	0	192	169	165	0	175	150	0	0	0	0	0
2400	70	0	65	0	143	0	135	0	0	0	0	0	154	0	175	130	154	0	185	111	174	0	189	157	161	0	215	139	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 100A	S	AMB. TEM4 100B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 100A	S	D.T. 2 100B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	288	0	283	0	285	0	281	0	320	0	320	0	-2	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	1	159	0
200	287	0	281	0	283	0	279	0	320	0	320	0	-2	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
300	281	0	276	0	281	0	276	0	320	0	320	0	0	0	2	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	1	159	0
400	279	0	272	0	278	0	272	0	320	0	320	0	0	0	2	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
500	279	0	274	0	281	0	276	0	320	0	320	0	2	0	4	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
600	260	0	252	0	287	0	281	0	320	0	320	0	29	0	31	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
700	236	0	229	0	283	0	278	0	320	0	320	0	45	0	49	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
800	225	0	218	0	285	0	281	0	320	0	320	0	61	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
900	247	0	242	0	272	0	267	0	320	0	320	0	25	0	27	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1000	306	0	299	0	294	0	288	0	320	0	320	0	-11	0	-9	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1100	369	0	363	0	334	0	329	0	320	0	320	0	-32	0	-31	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1200	392	0	387	0	361	0	358	0	320	0	320	0	-31	0	-29	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1300	387	0	381	0	370	0	367	0	320	0	320	0	-14	0	-13	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
1400	417	0	410	0	381	0	378	0	320	0	320	0	-34	0	-31	0	0	0	0	0	51	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
1500	432	0	426	0	396	0	390	0	320	0	320	0	-36	0	-32	0	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	1	160	0
1600	428	0	421	0	397	0	392	0	320	0	320	0	-29	0	-27	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	1	160	0
1700	410	0	403	0	392	0	387	0	320	0	320	0	-18	0	-14	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
1800	387	0	379	0	385	0	379	0	320	0	320	0	0	0	2	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
1900	374	0	367	0	387	0	381	0	320	0	320	0	14	0	16	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	1	160	0
2000	367	0	360	0	385	0	379	0	320	0	320	0	20	0	22	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	1	160	0
2100	369	0	361	0	387	0	381	0	320	0	320	0	20	0	23	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	1	160	0
2200	372	0	365	0	390	0	387	0	320	0	320	0	20	0	23	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	1	160	0
2300	383	0	378	0	399	0	394	0	320	0	320	0	15	0	20	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
2400	376	0	369	0	390	0	385	0	320	0	320	0	16	0	18	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0

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

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	78	0	70	0	151	0	127	0	0	0	0	0	168	0	193	132	167	0	208	110	184	0	203	169	170	0	210	155	0	0	0	0	0	0
200	72	0	65	0	136	0	134	0	0	0	0	0	196	0	167	114	196	0	185	115	170	0	186	158	157	0	170	139	0	0	0	0	0	0
300	84	0	79	0	155	0	160	0	0	0	0	0	139	0	161	122	139	0	164	117	160	0	170	149	149	0	158	139	0	0	0	0	0	0
400	89	0	92	0	167	0	169	0	0	0	0	0	148	0	175	123	147	0	193	92	166	0	180	150	153	0	171	138	0	0	0	0	0	0
500	93	0	87	0	170	0	174	0	0	0	0	0	143	0	168	124	143	0	177	120	165	0	186	143	152	0	171	140	0	0	0	0	0	0
600	101	0	96	0	178	0	187	0	0	0	0	0	141	0	159	124	142	0	166	112	158	0	174	141	146	0	157	135	0	0	0	0	0	0
700	92	0	93	0	170	0	175	0	0	0	0	0	145	0	176	124	146	0	178	119	163	0	174	150	150	0	163	135	0	0	0	0	0	0
800	89	0	88	0	170	0	174	0	0	0	0	0	139	0	153	124	141	0	168	125	158	0	169	146	147	0	156	139	0	0	0	0	0	0
900	100	0	98	0	167	0	170	0	0	0	0	0	151	0	183	122	151	0	187	111	165	0	189	138	152	0	182	133	0	0	0	0	0	0
1000	100	0	98	0	159	0	162	0	0	0	0	0	148	0	178	125	149	0	200	96	160	0	192	138	148	0	168	131	0	0	0	0	0	0
1100	95	0	86	0	154	0	154	0	0	0	0	0	154	0	208	123	152	0	192	118	165	0	182	149	152	0	168	133	0	0	0	0	0	0
1200	68	0	62	0	114	0	115	0	0	0	0	0	153	0	195	117	151	0	220	101	164	0	193	134	153	0	182	128	0	0	0	0	0	0
1300	77	0	74	0	122	0	126	0	0	0	0	0	150	0	188	126	147	0	203	107	162	0	183	149	149	0	182	129	0	0	0	0	0	0
1400	66	0	64	0	105	0	109	0	0	0	0	0	142	0	167	119	141	0	169	113	159	0	175	140	147	0	166	124	0	0	0	0	0	0
1500	69	0	65	0	119	0	124	0	0	0	0	0	147	0	176	116	146	0	183	118	162	0	188	143	151	0	181	132	0	0	0	0	0	0
1600	52	0	53	0	88	0	86	0	0	0	0	0	157	0	193	110	156	0	217	91	172	0	194	152	160	0	192	128	0	0	0	0	0	0
1700	54	0	52	0	95	0	94	0	0	0	0	0	162	0	209	104	159	0	204	108	175	0	195	152	162	0	205	137	0	0	0	0	0	0
1800	44	0	36	0	95	0	81	0	0	0	0	0	187	0	247	109	188	0	266	118	194	0	211	160	182	0	265	152	0	0	0	0	0	0
1900	55	0	40	0	92	0	80	0	0	0	0	0	201	0	232	147	199	0	243	141	204	0	222	180	190	0	206	126	0	0	0	0	0	0
2000	55	0	40	0	79	0	75	0	0	0	0	0	209	0	235	157	207	0	252	128	217	0	252	197	202	0	239	179	0	0	0	0	0	0
2100	82	0	73	0	116	0	124	0	0	0	0	0	234	0	263	206	234	0	277	201	236	0	259	214	221	0	243	203	0	0	0	0	0	0
2200	112	0	105	0	163	0	173	0	0	0	0	0	237	0	261	200	236	0	263	192	239	0	263	219	223	0	242	199	0	0	0	0	0	0
2300	122	0	117	0	183	0	195	0	0	0	0	0	239	0	262	216	237	0	269	209	242	0	262	220	226	0	248	199	0	0	0	0	0	0
2400	124	0	117	0	193	0	204	0	0	0	0	0	238	0	266	216	236	0	274	190	241	0	259	224	225	0	243	197	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	388	0	381	0	399	0	399	0	320	0	320	0	13	0	14	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
200	387	0	381	0	394	0	388	0	320	0	320	0	7	0	9	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
300	388	0	383	0	406	0	403	0	320	0	320	0	18	0	20	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
400	394	0	387	0	403	0	397	0	320	0	320	0	9	0	13	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
500	388	0	381	0	399	0	394	0	320	0	320	0	13	0	14	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
600	396	0	388	0	399	0	394	0	320	0	320	0	5	0	7	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
700	394	0	388	0	401	0	396	0	320	0	320	0	7	0	9	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
800	394	0	388	0	399	0	394	0	320	0	320	0	7	0	9	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
900	408	0	403	0	405	0	401	0	320	0	320	0	-5	0	-4	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
1000	401	0	394	0	396	0	390	0	320	0	320	0	-5	0	-5	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
1100	387	0	381	0	379	0	376	0	320	0	320	0	-9	0	-7	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
1200	392	0	385	0	383	0	379	0	320	0	320	0	-11	0	-9	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
1300	392	0	385	0	381	0	379	0	320	0	320	0	-11	0	-9	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
1400	387	0	381	0	379	0	336	0	320	0	320	0	-9	0	-7	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	160	0
1500	378	0	370	0	369	0	363	0	320	0	320	0	-7	0	-5	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	168	0
1600	378	0	370	0	367	0	363	0	320	0	320	0	-9	0	-7	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	168	0
1700	378	0	372	0	369	0	365	0	320	0	320	0	-7	0	-5	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	168	0
1800	374	0	369	0	367	0	363	0	320	0	320	0	-5	0	-4	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	169	0
1900	372	0	365	0	367	0	361	0	320	0	320	0	-4	0	2	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	169	0
2000	372	0	365	0	365	0	361	0	320	0	320	0	-4	0	2	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	169	0
2100	372	0	365	0	365	0	360	0	320	0	320	0	-5	0	-4	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	169	0
2200	365	0	358	0	358	0	354	0	320	0	320	0	-4	0	2	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
2300	354	0	347	0	351	0	347	0	320	0	320	0	2	0	2	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
2400	352	0	345	0	54	0	347	0	320	0	320	0	0	0	2	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0

START CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = I[illegible]ID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
REPORT [illegible] RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50	S	S	WIND DIR2	MIN	MAX 150A	S	S	WIND DIR3	MIN	MAX 150B	S	S	WIND DIR4	MIN	MAX S	S	WIND DIR5	MIN	MAX S	S	WIND DIR6	S
100	109	0	103	0	162	0	172	0	0	0	0	0	241	0	266	211		239	0	281	202		240	0	258	218		224	0	239	207		0	0	0	0	0	3
200	98	0	93	0	156	0	166	0	0	0	0	0	254	0	277	231		249	0	274	214		257	0	265	250		242	0	254	233		0	0	0	0	0	3
300	87	0	86	0	129	0	138	0	0	0	0	0	257	0	286	223		252	0	280	207		265	0	275	256		249	0	257	242		0	0	0	0	0	3
400	94	0	91	0	144	0	152	0	0	0	0	0	246	0	280	216		242	0	291	222		257	0	265	245		241	0	246	229		0	0	0	0	0	0
500	69	0	66	0	103	0	110	0	0	0	0	0	245	0	273	208		241	0	269	199		255	0	262	242		239	0	246	223		0	0	0	0	0	3
600	75	0	73	0	104	0	111	0	0	0	0	0	247	0	270	213		243	0	280	198		257	0	265	241		241	0	252	228		0	0	0	0	0	0
700	94	0	92	0	123	0	130	0	0	0	0	0	243	0	267	224		239	0	271	212		254	0	258	239		238	0	244	223		0	0	0	0	0	0
800	77	0	72	0	109	0	116	0	0	0	0	0	235	0	254	212		233	0	285	202		236	0	248	217		221	0	235	205		0	0	0	0	0	1
900	28	0	20	0	45	0	40	0	0	0	0	0	187	0	248	124		187	3	256	100		203	0	229	170		190	0	222	145		0	0	0	0	0	0
10000	41	0	31	0	71	0	64	0	0	0	0	0	203	0	266	113		199	0	261	95		203	0	217	186		189	0	213	165		0	0	0	0	0	0
1100	33	3	28	0	56	0	54	0	0	0	0	0	155	0	233	113		155	3	229	109		170	0	211	143		157	0	190	129		0	0	0	0	0	0
1200	56	0	55	0	73	0	75	0	0	0	0	0	139	0	173	113		140	0	170	104		153	0	183	123		142	0	167	108		0	0	0	0	0	0
1300	66	0	64	0	89	0	92	0	0	0	0	0	144	0	182	111		146	0	195	115		156	0	183	130		145	0	171	121		0	0	0	0	0	0
1400	69	0	68	0	78	0	82	0	0	0	0	0	132	0	157	113		133	0	167	106		144	0	163	128		134	0	152	117		0	0	0	0	0	0
1500	37	0	32	0	63	0	62	0	0	0	0	0	156	0	227	104		150	0	216	95		165	0	194	129		155	0	189	95		0	0	0	0	0	0
1600	53	0	50	0	77	0	82	0	0	0	0	0	131	0	162	109		131	0	184	97		145	0	163	124		133	0	157	114		0	0	0	0	0	0
1700	66	0	65	0	102	0	106	0	0	0	0	0	134	0	163	117		135	0	155	118		150	0	172	127		139	0	163	122		0	0	0	0	0	0
1800	90	0	83	0	111	0	119	0	0	0	0	0	119	0	133	104		120	0	141	102		128	0	140	117		117	0	129	107		0	0	0	0	0	0
1900	120	0	115	0	148	0	160	0	0	0	0	0	124	0	135	113		126	0	142	107		132	0	140	122		121	0	131	109		0	0	0	0	0	0
2000	129	0	125	0	165	0	174	0	0	0	0	0	123	0	134	112		125	0	142	104		134	0	146	123		123	0	134	111		0	0	0	0	0	0
2100	111	0	111	0	180	0	186	0	0	0	0	0	133	0	145	118		136	0	159	102		147	0	158	137		136	0	148	121		0	0	0	0	0	0
2200	123	0	121	0	179	0	183	0	0	0	0	0	130	0	142	119		133	0	147	118		141	0	152	133		130	0	139	124		0	0	0	0	0	0
2300	131	0	131	0	206	0	213	0	0	0	0	0	133	0	150	120		136	0	158	116		146	0	152	137		136	0	143	129		0	0	0	0	0	0
2400	115	0	117	0	199	0	208	0	0	0	0	0	140	0	160	125		141	0	164	102		154	0	168	135		144	0	156	128		0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	S	D.T. 3	S	D.T. 4	S	S	MISC 1	S	MISC 2	S	S	MISC 3	S	MISC 4	S	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	356	0	349	0	351	0	347	0	320	0	320	0	-4	0	2	0		0	0	0	0		8	0	0	0		0	0	0	0		0	0	0	0	0	1	170	0
200	342	0	334	0	340	0	334	0	320	0	320	0	-4	0	0	0		0	0	0	0		4	0	0	0		0	0	0	0		0	0	0	0	0	1	170	0
300	334	0	329	0	334	0	331	0	320	0	320	0	2	0	2	0		0	0	0	0		2	0	0	0		0	0	0	0		0	0	0	0	0	1	170	0
400	342	0	334	0	347	0	342	0	320	0	320	0	5	0	7	0		0	0	0	0		4	0	0	0		0	0	0	0		0	0	0	0	0	0	170	0
500	343	0	338	0	343	0	340	0	320	0	320	0	0	0	2	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	0	1	170	0
600	342	0	336	0	342	0	338	0	320	0	320	0	0	0	2	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	0	0	170	0
700	343	0	338	0	345	0	342	0	320	0	320	0	2	0	4	0		0	0	0	0		2	0	0	0		0	0	0	0		0	0	0	0	1	0	176	0
800	347	0	340	0	342	0	336	0	320	0	320	0	-5	0	-4	0		0	0	0	0		6	0	0	0		0	0	0	0		0	0	0	0	0	0	179	0
900	351	0	345	0	343	0	338	0	320	0	320	0	-9	0	-7	0		0	0	0	0		9	0	0	0		0	0	0	0		0	0	0	0	0	0	170	0
1000	354	0	349	0	345	0	342	0	320	0	320	0	-11	0	-9	0		0	0	0	0		11	0	0	0		0	0	0	0		0	0	0	0	0	0	170	0
1100	367	0	361	0	358	0	352	0	320	0	320	0	-11	0	-11	0		0	0	0	0		20	0	0	0		0	0	0	0		0	0	0	0	0	1	170	0
1200	372	0	367	0	360	0	356	0	320	0	320	0	-14	0	-13	0		0	0	0	0		26	0	0	0		0	0	0	0		0	0	0	0	0	1	170	0
1300	385	0	379	0	370	0	367	0	320	0	320	0	-16	0	-14	0		0	0	0	0		33	0	0	0		0	0	0	0		0	0	0	0	0	0	170	0
1400	392	0	387	0	379	0	376	0	320	0	320	0	-14	0	-13	0		0	0	0	0		42	0	0	0		0	0	0	0		0	0	0	0	0	0	170	0
1500	408	0	403	0	394	0	388	0	320	0	320	0	-16	0	-14	0		0	0	0	0		44	0	0	0		0	0	0	0		0	0	0	0	0	0	170	0
1600	406	0	401	0	399	0	394	0	320	0	320	0	-7	0	-7	0		0	0	0	0		42	0	0	0		0	0	0	0		0	0	0	0	0	0	170	0
1700	410	0	403	0	405	0	401	0	320	0	320	0	-5	0	-4	0		0	0	0	0		31	0	0	0		0	0	0	0		0	0	0	0	0	1	170	0
1800	397	0	390	0	392	0	387	0	320	0	320	0	-5	0	-5	0		0	0	0	0		27	0	0	0		0	0	0	0		0	0	0	0	0	0	170	0
1900	383	0	378	0	381	0	378	0	320	0	320	0	2	0	0	0		0	0	0	0		24	0	0	0		0	0	0	0		0	0	0	0	0	1	170	0
2000	379	0	372	0	376	0	370	0	320	0	320	0	2	0	0	0		0	0	0	0		20	0	0	0		0	0	0	0		0	0	0	0	0	0	170	0
2100	383	0	379	0	383	0	379	0	320	0	320	0	4	0	5	0		0	0	0	0		22	0	0	0		0	0	0	0		0	0	0	0	0	1	170	0
2200	385	0	379	0	387	0	383	0	320	0	320	0	4	0	5	0		0	0	0	0		24	0	0	0		0	0	0	0		0	0	0	0	0	1	170	0
2300	390	0	393	0	396	0	390	0	320	0	320	0	7	0	9	0		0	0	0	0		26	0	0	0		0	0	0	0		0	0	0	0	0	1	170	0
2400	408	0	403	0	410	0	406	0	320	0	320	0	5	0	7	0		0	0	0	0		33	0	0	0		0	0	0	0		0	0	0	0	0	0	170	0

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

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	118	0	120	0	207	0	213	0	0	0	0	0	141	0	156	129	142	0	177	122	156	0	165	146	145	0	162	128	0	0	0	0	0	0
200	198	0	110	0	197	0	202	0	0	0	0	0	142	0	161	122	141	0	171	114	159	0	172	146	147	0	160	131	0	0	0	0	0	0
300	125	0	126	0	222	0	230	0	0	0	0	0	142	0	169	126	143	0	176	120	159	0	169	148	148	0	158	139	0	0	0	0	0	0
400	120	0	116	0	227	0	231	0	0	0	0	0	143	0	161	124	145	0	171	112	161	0	178	146	150	0	160	139	0	0	0	0	0	0
500	129	0	129	0	227	0	234	0	0	0	0	0	147	0	169	127	148	0	185	124	163	0	178	149	152	0	168	134	0	0	0	0	0	0
600	128	0	128	0	225	0	227	0	0	0	0	0	152	0	175	132	153	0	195	113	167	0	182	141	155	0	174	133	0	0	0	0	0	0
700	118	0	118	0	219	0	225	0	0	0	0	0	144	0	162	130	145	0	175	113	161	0	174	145	148	0	161	131	0	0	0	0	0	0
800	127	0	121	0	219	0	224	0	0	0	0	0	144	0	162	117	144	0	175	118	159	0	172	146	148	0	163	136	0	0	0	0	0	0
900	130	0	133	0	230	0	236	0	0	0	0	0	141	0	161	125	143	0	191	123	156	0	169	135	145	0	153	126	0	0	0	0	0	0
1000	133	0	131	0	225	0	228	0	0	0	0	0	144	0	166	127	144	0	181	118	158	0	177	140	147	0	162	121	0	0	0	0	0	0
1100	136	0	131	0	210	0	211	0	0	0	0	0	151	0	179	129	149	0	195	114	162	0	179	135	150	0	168	127	0	0	0	0	0	0
1200	132	0	130	0	189	0	188	0	0	0	0	0	149	0	189	121	147	0	178	118	164	0	193	140	150	0	171	124	0	0	0	0	0	0
1300	119	0	117	0	186	0	191	0	0	0	0	0	147	0	172	126	148	0	186	115	163	0	184	138	151	0	171	118	0	0	0	0	0	0
1400	113	0	115	0	183	0	188	0	0	0	0	0	150	0	182	124	153	0	262	121	163	0	182	133	150	0	169	106	0	0	0	0	0	0
1500	118	0	116	0	191	0	196	0	0	0	0	0	147	0	176	123	147	0	197	101	155	0	174	135	144	0	164	117	0	0	0	0	0	0
1600	110	0	114	0	176	0	181	0	0	0	0	0	139	0	167	122	140	0	169	92	151	0	183	133	140	0	167	123	0	0	0	0	0	0
1700	138	0	141	0	214	0	220	0	0	0	0	0	134	0	156	123	135	0	161	115	145	0	157	132	134	0	152	118	0	0	0	0	0	0
1800	158	0	164	0	232	0	234	0	0	0	0	0	131	0	144	120	135	0	148	118	140	0	148	131	128	0	136	116	0	0	0	0	0	0
1900	155	0	159	0	241	0	252	0	0	0	0	0	134	0	149	122	137	0	157	107	145	0	164	127	134	0	145	112	0	0	0	0	0	0
2000	152	0	152	0	235	0	242	0	0	0	0	0	134	0	160	119	135	0	159	96	145	0	172	129	134	0	163	118	0	0	0	0	0	0
2100	157	0	162	0	249	0	252	0	0	0	0	0	136	0	151	119	139	0	165	114	146	0	166	131	135	0	157	117	0	0	0	0	0	0
2200	150	0	153	0	245	0	249	0	0	0	0	0	139	0	159	120	139	0	170	108	151	0	168	133	140	0	154	117	0	0	0	0	0	0
2300	154	0	150	0	242	0	245	0	0	0	0	0	140	0	159	115	141	0	170	109	149	0	167	129	138	0	154	113	0	0	0	0	0	0
2400	151	0	150	0	245	0	254	0	0	0	0	0	141	0	163	119	142	0	181	116	149	0	171	127	137	0	164	117	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	412	0	405	0	419	0	414	0	320	0	320	0	11	0	13	0	0	0	12	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
200	424	0	417	0	428	0	424	0	320	0	320	0	9	0	11	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
300	435	0	430	0	444	0	441	0	320	0	320	0	13	0	14	0	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
400	444	0	439	0	453	0	450	0	320	0	320	0	11	0	13	0	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
500	457	0	450	0	457	0	453	0	320	0	320	0	4	0	5	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
600	459	0	451	0	460	0	457	0	320	0	320	0	7	0	7	0	0	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
700	457	0	451	0	466	0	460	0	320	0	320	0	13	0	13	0	0	0	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
800	457	0	451	0	464	0	460	0	320	0	320	0	11	0	13	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
900	448	0	442	0	453	0	450	0	320	0	320	0	7	0	7	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
1000	469	0	466	0	469	0	464	0	320	0	320	0	2	0	2	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
1100	493	0	487	0	477	0	473	0	320	0	320	0	-13	0	-13	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
1200	505	0	500	0	491	0	487	0	320	0	320	0	-11	0	-9	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
1300	532	0	527	0	513	0	509	0	320	0	320	0	-14	0	-14	0	0	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
1400	558	0	552	0	538	0	532	0	320	0	320	0	-14	0	-13	0	0	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
1500	565	0	559	0	550	0	545	0	320	0	320	0	-7	0	-7	0	0	0	0	0	164	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
1600	565	0	559	0	552	0	547	0	320	0	320	0	-5	0	-5	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
1700	552	0	547	0	543	0	538	0	320	0	320	0	-2	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
1800	541	0	536	0	536	0	532	0	320	0	320	0	2	0	4	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
1900	541	0	536	0	538	0	532	0	320	0	320	0	4	0	5	0	0	0	0	0	74	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
2000	552	0	547	0	545	0	541	0	320	0	320	0	0	0	2	0	0	0	0	0	83	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
2100	552	0	547	0	547	0	541	0	320	0	320	0	2	0	2	0	0	0	0	0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
2200	559	0	552	0	552	0	549	0	320	0	320	0	2	0	4	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
2300	561	0	556	0	556	0	550	0	320	0	320	0	2	0	4	0	0	0	0	0	94	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
2400	561	0	556	0	552	0	547	0	320	0	320	0	3	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	156	0	159	0	263	0	268	0	0	0	0	0	135	0	152	116	138	0	165	112	145	0	170	123	134	0	152	115	0	0	0	0	0	0
200	109	0	83	0	187	0	157	0	0	0	0	0	201	0	257	134	201	0	255	133	201	0	232	166	189	0	228	156	0	0	0	0	0	0
300	76	0	71	0	130	0	115	0	0	0	0	0	173	0	213	132	173	0	216	122	183	0	209	163	170	0	190	151	0	0	0	0	0	0
400	133	0	128	0	192	0	205	0	0	0	0	0	238	0	263	211	233	0	264	191	244	0	262	228	230	0	244	203	0	0	0	0	0	0
500	44	0	38	0	55	0	60	0	0	0	0	0	229	0	259	183	226	0	260	186	245	0	253	226	230	0	240	210	0	0	0	0	0	0
600	76	0	70	0	143	0	142	0	0	0	0	0	158	0	183	134	155	0	181	124	173	0	177	166	161	0	167	156	0	0	0	0	0	0
700	67	0	55	0	128	0	111	0	0	0	0	0	209	0	265	158	208	0	260	136	207	0	250	186	194	0	239	175	0	0	0	0	0	0
800	89	0	85	0	117	0	123	0	0	0	0	0	241	0	273	210	237	0	268	202	238	0	256	216	223	0	245	198	0	0	0	0	0	0
900	78	0	59	0	122	0	114	0	0	0	0	0	215	0	242	190	213	0	237	176	218	0	234	200	205	0	222	191	0	0	0	0	0	0
1000	140	0	137	0	194	0	206	0	0	0	0	0	243	0	257	225	239	0	258	216	248	0	262	228	233	0	243	208	0	0	0	0	0	0
1100	100	0	81	0	141	0	124	0	0	0	0	0	212	0	246	155	208	0	253	120	209	0	239	183	195	0	225	169	0	0	0	0	0	0
1200	104	0	86	0	133	0	123	0	0	0	0	0	221	0	260	132	221	0	268	133	214	0	261	178	200	0	241	167	0	0	0	0	0	0
1300	91	0	80	0	118	0	114	0	0	0	0	0	233	0	278	187	225	0	268	158	220	0	256	170	206	0	239	160	0	0	0	0	0	0
1400	81	0	71	0	103	0	101	0	0	0	0	0	234	0	284	186	230	0	297	182	230	0	285	194	215	0	264	179	0	0	0	0	0	0
1500	75	0	67	0	85	0	84	0	0	0	0	0	241	0	298	189	239	0	329	194	225	0	265	122	210	0	259	101	0	0	0	0	0	0
1600	61	0	49	0	88	0	85	0	0	0	0	0	231	0	316	182	227	0	326	187	220	0	248	189	207	0	232	175	0	0	0	0	0	0
1700	61	0	48	0	105	0	89	0	0	0	0	0	199	0	264	135	196	0	263	111	195	0	230	157	181	0	214	147	0	0	0	0	0	0
1800	48	0	40	0	82	0	72	0	0	0	0	0	173	0	222	124	173	0	213	126	183	0	208	159	171	0	194	141	0	0	0	0	0	0
1900	41	0	35	0	88	0	70	0	0	0	0	0	173	0	209	144	170	0	218	134	191	0	204	180	177	0	190	167	0	0	0	0	0	0
2000	54	0	48	0	120	0	95	0	0	0	0	0	173	0	199	140	171	0	215	119	189	0	197	178	175	0	184	167	0	0	0	0	0	0
2100	66	0	57	0	146	0	116	0	0	0	0	0	172	0	198	146	171	0	210	126	191	0	199	183	176	0	186	170	0	0	0	0	0	0
2200	63	0	53	0	141	0	117	0	0	0	0	0	175	0	230	115	174	0	238	112	192	0	219	174	178	0	197	163	0	0	0	0	0	0
2300	67	0	52	0	150	0	130	0	0	0	0	0	200	0	245	161	198	0	253	140	203	0	214	194	190	0	201	177	0	0	0	0	0	0
2400	81	0	60	0	153	0	134	0	0	0	0	0	202	0	233	170	199	0	238	155	208	0	225	192	196	0	213	179	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	527	0	522	0	527	0	522	0	320	0	320	0	5	0	7	0	0	0	0	0	78	0	0	0	0	0	0	0	0	0	0	0	0	0	172	0
200	514	0	509	0	507	0	502	0	320	0	320	0	0	0	2	0	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0	0	0	176	0
300	495	0	487	0	482	0	478	0	320	0	320	0	-4	0	2	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	179	0
400	457	0	450	0	450	0	446	0	320	0	320	0	2	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	176	0
500	459	0	453	0	459	0	453	0	320	0	320	0	2	0	4	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
600	453	0	446	0	462	0	459	0	320	0	320	0	13	0	14	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
700	451	0	444	0	448	0	442	0	320	0	320	0	0	0	2	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
800	433	0	426	0	439	0	433	0	320	0	320	0	7	0	9	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	136	0
900	442	0	435	0	441	0	435	0	320	0	320	0	0	0	2	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	1	186	0
1000	415	0	408	0	421	0	417	0	320	0	320	0	7	0	9	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1100	455	0	448	0	437	0	432	0	320	0	320	0	-14	0	-14	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1200	459	0	451	0	441	0	435	0	320	0	320	0	-16	0	-14	0	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1300	457	0	450	0	441	0	435	0	320	0	320	0	-14	0	-13	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	176	0
1400	471	0	466	0	448	0	444	0	320	0	320	0	-20	0	-16	0	0	0	0	0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1500	482	0	477	0	462	0	459	0	320	0	320	0	-16	0	-14	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1600	491	0	484	0	471	0	468	0	320	0	320	0	-16	0	-14	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1700	498	0	493	0	477	0	473	0	320	0	320	0	-18	0	-16	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1800	475	0	468	0	471	0	468	0	320	0	320	0	0	0	2	0	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1900	451	0	444	0	448	0	442	0	320	0	320	0	18	0	22	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	1	186	0
2000	441	0	433	0	442	0	439	0	320	0	320	0	22	0	25	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	1	176	0
2100	432	0	426	0	437	0	431	0	320	0	320	0	25	0	27	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	0	1	136	0
2200	421	0	414	0	444	0	439	0	320	0	320	0	22	0	25	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	1	186	0
2300	408	0	401	0	430	0	426	0	320	0	320	0	23	0	25	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2400	415	0	410	0	437	0	432	0	320	0	320	0	20	0	22	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2 50 B	S	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	76	0	57	0	127	0	117	0	0	0	0	0	208	0	232	182	206	0	249	168	0	217	0	247	194	0	203	0	225	177	0	0	0	0	0	0	0	0
200	119	0	101	0	176	0	171	0	0	0	0	0	229	0	247	199	220	0	265	190	0	224	0	245	196	0	210	0	233	178	0	0	0	0	0	0	0	0
300	105	0	92	0	153	0	151	0	0	0	0	0	227	0	248	203	225	0	258	192	0	228	0	252	202	0	213	0	233	190	0	0	0	0	0	0	0	0
400	116	0	109	0	180	0	191	0	0	0	0	0	238	0	263	209	234	0	268	187	0	239	0	257	216	0	224	0	248	207	0	0	0	0	0	0	0	0
500	146	0	143	0	208	0	221	0	0	00	0	0	242	0	259	217	238	0	267	207	0	248	0	265	239	0	232	0	241	219	0	0	0	0	0	0	0	0
600	117	0	115	0	194	0	204	0	0	0	0	0	246	0	264	224	242	0	275	194	0	256	0	259	252	0	240	0	244	235	0	0	0	0	0	0	0	0
700	125	0	122	0	164	0	172	0	0	0	0	0	245	0	261	226	241	0	267	210	0	255	0	261	240	0	239	0	253	219	0	0	0	0	0	0	0	0
800	96	0	92	0	129	0	137	0	0	0	0	0	239	0	263	206	237	0	266	199	0	243	0	257	229	0	228	0	243	214	0	0	0	0	0	0	0	0
900	95	0	93	0	140	0	147	0	0	0	0	0	246	0	265	231	243	0	267	223	0	260	0	264	254	0	245	0	251	239	0	0	0	0	0	0	0	0
1000	105	0	102	0	136	0	144	0	0	0	0	0	251	0	276	233	247	0	271	217	0	267	0	269	264	0	252	0	253	247	0	0	0	0	0	0	0	0
1100	93	0	94	0	125	0	133	0	0	0	0	0	253	0	276	220	251	0	284	209	0	268	0	274	254	0	252	0	256	246	0	0	0	0	0	0	0	0
1200	69	0	67	0	71	0	77	0	0	0	0	0	248	0	279	215	246	0	281	213	0	250	0	269	219	0	235	0	246	212	0	0	0	0	0	0	0	0
1300	71	0	67	0	73	0	78	0	0	0	0	0	236	0	260	212	235	0	274	208	0	243	0	270	219	0	227	0	253	205	0	0	0	0	0	0	0	0
1400	59	0	54	0	77	0	84	0	0	0	0	0	245	0	281	213	244	0	305	204	0	247	0	267	219	0	231	0	253	195	0	0	0	0	0	0	0	0
1500	43	0	38	0	43	0	49	0	0	0	0	0	270	0	304	213	268	0	323	212	0	273	0	308	236	0	258	0	305	219	0	0	0	0	0	0	0	0
1600	38	0	32	0	28	0	31	0	0	0	0	0	298	0	325	259	289	0	322	242	0	287	0	315	269	0	264	0	304	239	0	0	0	0	0	0	0	0
1700	8	0	56	2	9	0	9	0	0	0	0	0	249	3	359	195	253	0	358	190	0	261	5	273	214	0	242	3	341	180	0	0	0	0	0	0	0	0
1800	12	0	9	0	21	0	20	0	0	0	0	0	197	0	236	165	197	0	241	164	0	216	0	220	203	0	204	0	228	187	0	0	0	0	0	0	0	0
1900	31	0	35	0	25	0	26	0	0	0	0	0	119	0	145	106	120	0	146	106	0	187	0	204	160	0	149	0	195	123	0	0	0	0	0	0	0	0
2000	67	0	61	0	77	0	80	0	0	0	0	0	116	0	121	112	117	0	120	109	0	123	0	129	117	0	112	0	118	107	0	0	0	0	0	0	0	0
2100	62	0	59	0	113	0	117	0	0	0	0	0	144	0	159	128	145	0	178	129	0	164	0	171	153	0	152	0	161	142	0	0	0	0	0	0	0	0
2200	63	0	58	0	123	0	105	0	0	0	0	0	158	0	178	139	154	0	180	120	0	181	0	190	170	0	168	0	174	157	0	0	0	0	0	0	0	0
2300	65	0	59	0	135	0	109	0	0	0	0	0	167	0	192	145	166	0	206	123	0	188	0	190	185	0	173	0	180	169	0	0	0	0	0	0	0	0
2400	66	0	61	0	115	0	104	0	0	0	0	0	142	0	152	134	141	0	151	132	0	176	0	183	166	0	164	0	169	155	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	421	0	414	0	430	0	426	0	320	0	320	0	11	0	13	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
200	444	0	437	0	444	0	439	0	320	0	320	0	0	0	2	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
300	435	0	428	0	433	0	428	0	320	0	320	0	-2	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
400	401	0	396	0	406	0	401	0	320	0	320	0	4	0	5	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
500	385	0	379	0	390	0	387	0	320	0	320	0	5	0	7	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
600	358	0	351	0	381	0	378	0	320	0	320	0	23	0	25	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
700	369	0	361	0	379	0	376	0	320	0	320	0	13	0	13	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
800	374	0	369	0	372	0	369	0	320	0	320	0	-4	0	2	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
900	369	0	363	0	381	0	378	0	320	0	320	0	11	0	13	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1000	387	0	381	0	399	0	396	0	320	0	320	0	11	0	13	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1100	405	0	397	0	397	0	396	0	320	0	320	0	-7	0	-5	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1200	415	0	410	0	417	0	414	0	320	0	320	0	0	0	4	0	0	0	0	0	53	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1300	442	0	437	0	432	0	428	0	320	0	320	0	-11	0	-7	0	0	0	0	0	18	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1400	477	0	471	0	459	0	457	0	320	0	320	0	-14	0	-11	0	0	0	0	0	419	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1500	505	0	500	0	482	0	480	0	320	0	320	0	-18	0	-14	0	0	0	0	0	439	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1600	525	0	520	0	504	0	502	0	320	0	320	0	-14	0	-11	0	0	0	0	0	423	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1700	529	0	523	0	505	0	504	0	320	0	320	0	-16	0	-13	0	0	0	0	0	459	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1800	505	0	496	0	500	0	495	0	320	0	320	0	0	0	4	0	0	0	0	0	453	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1900	482	0	475	0	495	0	489	0	320	0	320	0	18	0	22	0	0	0	0	0	431	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2000	477	0	471	0	495	0	489	0	320	0	320	0	23	0	25	0	0	0	0	0	421	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2100	453	0	444	0	493	0	487	0	320	0	320	0	45	0	47	0	0	0	0	0	410	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2200	444	0	435	0	489	0	486	0	320	0	320	0	49	0	52	0	0	0	0	0	406	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2300	442	0	435	0	500	0	495	0	320	0	320	0	61	0	63	0	0	0	0	0	406	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2400	419	0	410	0	482	0	477	0	320	0	320	0	67	0	68	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	73	0	68	0	100	0	103	0	0	0	0	0	140	0	146	135	140	0	147	129	167	0	174	163	155	0	163	150	0	0	0	0	0	0
200	73	0	66	0	130	0	102	0	0	0	0	0	161	0	181	143	158	0	193	135	195	0	205	188	182	0	205	162	0	0	0	0	0	0
300	81	0	76	0	102	0	75	0	0	0	0	0	162	0	168	154	160	0	175	136	198	0	200	197	189	0	188	181	0	0	0	0	0	0
400	75	0	67	0	82	0	72	0	0	0	0	0	163	0	174	153	160	0	182	150	204	0	213	199	191	0	207	180	0	0	0	0	0	0
500	75	0	68	0	91	0	67	0	0	0	0	0	140	0	146	134	140	0	145	132	191	0	199	178	177	0	261	167	0	0	0	0	0	0
600	82	0	72	0	94	0	85	0	0	0	0	0	135	0	140	128	134	0	142	123	172	0	174	168	161	0	163	157	0	0	0	0	0	0
700	82	0	75	0	81	0	65	0	0	0	0	0	144	0	149	140	144	0	148	138	186	0	189	182	172	0	174	168	0	0	0	0	0	0
800	80	0	73	0	81	0	85	0	0	0	0	0	128	0	132	123	129	0	136	122	164	0	167	163	153	0	153	152	0	0	0	0	0	0
900	83	0	79	0	142	0	146	0	0	0	0	0	129	0	134	122	130	0	136	115	151	0	154	146	140	0	143	135	0	0	0	0	0	0
1000	66	0	64	0	95	0	98	0	0	0	0	0	126	0	151	116	128	0	154	111	139	0	157	123	129	0	145	117	0	0	0	0	0	0
1100	71	0	67	0	79	0	83	0	0	0	0	0	130	0	161	106	133	0	179	109	141	0	164	123	130	0	152	117	0	0	0	0	0	0
1200	76	0	74	0	90	0	95	0	0	0	0	0	133	0	189	103	134	0	185	99	143	0	178	116	132	0	173	106	0	0	0	0	0	0
1300	94	0	95	0	113	0	117	0	0	0	0	0	131	0	157	105	133	0	167	95	136	0	156	109	126	0	153	97	0	0	0	0	0	0
1400	125	0	126	0	139	0	144	0	0	0	0	0	124	0	148	100	127	0	153	103	126	0	154	104	115	0	137	91	0	0	0	0	0	0
1500	110	0	111	0	143	0	149	0	0	0	0	0	132	0	153	106	135	0	159	97	137	0	150	122	127	0	145	108	0	0	0	0	0	0
1600	130	0	124	0	149	0	153	0	0	0	0	0	120	0	143	105	123	0	148	73	120	0	140	98	110	0	129	83	0	0	0	0	0	0
1700	134	0	131	0	150	0	158	0	0	0	0	0	121	0	138	108	123	0	147	100	125	0	143	112	114	0	130	99	0	0	0	0	0	0
1800	121	0	115	0	154	0	172	0	0	0	0	0	124	0	142	115	126	0	153	104	130	0	143	114	118	0	132	96	0	0	0	0	0	0
1900	123	0	119	0	157	0	173	0	0	0	0	0	122	0	130	114	123	0	136	113	130	0	136	122	120	0	124	113	0	0	0	0	0	0
2000	107	0	103	0	152	0	163	0	0	0	0	0	124	0	137	114	127	0	142	113	135	0	147	125	124	0	133	115	0	0	0	0	0	0
2100	141	0	139	0	188	0	201	0	0	0	0	0	127	0	142	112	130	0	149	111	132	0	144	118	121	0	133	105	0	0	0	0	0	0
2200	172	0	172	0	226	0	241	0	0	0	0	0	125	0	141	112	127	0	140	102	130	0	149	110	120	0	145	105	0	0	0	0	0	0
2300	145	0	145	0	189	0	196	0	0	0	0	0	126	0	145	113	129	0	152	100	132	0	152	118	122	0	145	105	0	0	0	0	0	0
2400	137	0	134	0	190	0	198	0	0	0	0	0	124	0	142	104	128	0	144	98	132	0	152	113	122	0	140	111	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	419	0	412	0	473	0	469	0	320	0	320	0	58	0	59	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
200	412	0	405	0	480	0	477	0	320	0	320	0	70	0	72	0	0	0	0	0	388	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
300	419	0	414	0	502	0	498	0	320	0	320	0	85	0	86	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
400	417	0	412	0	511	0	507	0	320	0	320	0	97	0	99	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
500	401	0	394	0	493	0	489	0	320	0	320	0	94	0	97	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
600	385	0	379	0	460	0	455	0	320	0	320	0	76	0	77	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
700	390	0	383	0	486	0	480	0	320	0	320	0	97	0	99	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
800	378	0	370	0	486	0	482	0	320	0	320	0	112	0	113	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
900	376	0	369	0	477	0	473	0	320	0	320	0	109	0	106	0	0	0	0	0	385	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1000	437	0	432	0	441	0	435	0	320	0	320	0	4	0	5	0	0	0	0	0	421	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1100	493	0	489	0	471	0	469	0	320	0	320	0	-18	0	-16	0	0	0	0	0	455	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1200	531	0	525	0	507	0	504	0	320	0	320	0	-16	0	-16	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1300	549	0	543	0	525	0	520	0	320	0	320	0	-16	0	-14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1400	552	0	547	0	531	0	527	0	320	0	320	0	-13	0	-13	0	0	0	0	0	478	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1500	561	0	556	0	538	0	532	0	320	0	320	0	-14	0	-13	0	0	0	0	0	484	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1600	558	0	550	0	538	0	534	0	320	0	320	0	-9	0	-9	0	0	0	0	0	471	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1700	558	0	550	0	540	0	534	0	320	0	320	0	-9	0	-9	0	0	0	0	0	471	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1800	534	0	529	0	527	0	522	0	320	0	320	0	0	0	0	0	0	0	0	0	455	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1900	514	0	507	0	516	0	511	0	320	0	320	0	7	0	9	0	0	0	0	0	442	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2000	491	0	486	0	491	0	486	0	320	0	320	0	5	0	5	0	0	0	0	0	430	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2100	477	0	471	0	471	0	468	0	320	0	320	0	2	0	0	0	0	0	0	0	423	2	0	0	0	0	0	0	0	0	0	0	0	1	186	0
2200	469	0	464	0	464	0	459	0	320	0	320	0	-4	0	2	0	0	0	0	0	419	[illegible]	0	0	0	0	0	0	0	0	0	0	0	1	186	0
2300	457	0	451	0	451	0	448	0	320	0	320	0	-5	0	-4	0	0	0	0	0	459	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2400	439	0	432	0	437	0	430	0	320	0	320	0	-2	0	0	0	0	0	0	0	405	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		MIN	MAX	S	WIND DIR2		MIN	MAX	S	WIND DIR3		MIN	MAX	S	WIND DIR4		MIN	MAX	S	WIND DIR5		MIN	MAX	S	WIND DIR6	
100	190	0	131	0	161	0	176	0	0	0	0	0	121	0	130	109		122	0	136	98		127	0	139	117		117	0	125	109		0	0	0	0		0	0
200	168	0	158	0	206	0	217	0	0	0	0	0	121	0	139	109		123	0	152	103		126	0	140	108		117	0	129	98		0	0	0	0		0	0
300	180	0	173	0	221	0	239	0	0	0	0	0	122	0	140	107		121	0	143	90		127	0	145	107		117	0	133	95		0	0	0	0		0	0
400	167	0	165	0	207	0	219	0	0	0	0	0	123	0	132	105		126	0	146	107		128	0	143	112		118	0	132	106		0	0	0	0		0	0
500	172	0	173	0	217	0	227	0	0	0	0	0	127	0	146	111		129	0	157	106		131	0	148	116		121	0	136	105		0	0	0	0		0	0
600	167	0	158	0	197	0	210	0	0	0	0	0	123	0	138	108		124	0	147	102		127	0	140	113		117	0	139	109		0	0	0	0		0	1
700	101	0	101	0	139	0	141	0	0	0	0	0	129	0	146	116		132	0	152	117		136	0	151	115		126	0	140	108		0	0	0	0		0	0
800	107	0	101	0	125	0	135	0	0	0	0	0	119	0	133	108		120	0	136	96		127	0	140	117		118	0	130	106		0	0	0	0		0	0
900	145	0	139	0	165	0	168	0	0	0	0	0	116	0	132	98		117	0	142	85		116	0	139	101		106	0	129	99		0	0	0	0		0	0
1000	131	0	128	0	144	0	149	0	0	0	0	0	125	0	145	111		127	0	146	106		125	0	141	110		116	0	133	97		0	0	0	0		0	0
1100	149	0	146	0	176	0	181	0	0	0	0	0	125	0	139	103		127	0	156	99		129	0	143	102		119	0	139	92		0	0	0	0		0	0
1200	152	0	149	0	169	0	169	0	0	0	0	0	118	0	141	100		120	0	147	95		118	0	133	109		108	0	125	91		0	0	0	0		0	0
1300	130	0	126	0	142	0	147	0	0	0	0	0	120	0	140	90		122	0	149	92		122	0	143	95		112	0	133	70		0	0	0	0		0	0
1400	104	0	102	0	130	0	133	0	0	0	0	0	128	0	148	100		128	0	159	92		136	0	155	117		127	0	145	111		0	0	0	0		0	0
1500	120	0	113	0	135	0	140	0	0	0	0	0	115	0	132	90		117	0	135	79		118	0	140	91		108	0	135	89		0	0	0	0		0	0
1600	109	0	100	0	132	0	137	0	0	0	0	0	105	0	127	77		109	0	132	82		108	0	140	72		97	0	118	57		0	0	0	0		0	0
1700	136	0	129	0	161	0	167	0	0	0	0	0	116	0	139	91		117	0	142	87		117	0	139	98		106	0	126	87		0	0	0	0		0	0
1800	138	0	131	0	158	0	166	0	0	0	0	0	122	0	142	109		125	0	161	97		126	0	143	111		117	0	130	99		0	0	0	0		0	0
1900	150	0	145	0	179	0	185	0	0	0	0	0	122	0	137	109		124	0	147	100		124	0	139	106		115	0	139	101		0	0	0	0		0	0
2000	120	0	121	0	169	0	170	0	0	0	0	0	128	0	147	111		131	0	157	110		137	0	156	117		127	0	144	110		0	0	0	0		0	0
2100	131	0	125	0	162	0	169	0	0	0	0	0	129	0	145	105		123	0	141	98		131	0	149	109		122	0	140	99		0	0	0	0		0	0
2200	121	0	117	0	147	0	150	0	0	0	0	0	128	0	146	103		128	0	159	107		131	0	145	108		121	0	137	105		0	0	0	0		0	0
2300	96	0	93	0	122	0	127	0	0	0	0	0	125	0	151	108		127	0	174	103		134	0	157	112		124	0	156	104		0	0	0	0		0	0
2400	123	0	121	0	150	0	158	0	0	0	0	0	126	0	141	115		128	0	146	103		135	0	156	106		126	0	140	100		0	0	0	0		0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	419	0	414	0	415	0	412	0	320	0	320	0	-4	0	2	0	0	0	0	0	394	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
200	405	0	397	0	401	0	397	0	320	0	320	0	-4	0	-2	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
300	396	0	388	0	392	0	387	0	320	0	320	0	-5	0	-4	0	0	0	0	0	381	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
400	387	0	381	0	383	0	379	0	320	0	320	0	-5	0	-4	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
500	381	0	376	0	378	0	374	0	320	0	320	0	-5	0	-4	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
600	370	0	365	0	367	0	361	0	320	0	320	0	-5	0	-4	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
700	358	0	351	0	352	0	347	0	320	0	320	0	-4	0	-2	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
800	349	0	342	0	345	0	342	0	320	0	320	0	-5	0	-2	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
900	349	0	342	0	347	0	343	0	320	0	320	0	-9	0	-7	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1000	372	0	365	0	367	0	361	0	320	0	320	0	-11	0	-9	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1100	396	0	390	0	385	0	383	0	320	0	320	0	-14	0	-13	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1200	428	0	423	0	417	0	414	0	320	0	320	0	-13	0	-11	0	0	0	0	0	414	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1300	450	0	442	0	435	0	432	0	320	0	320	0	-13	0	-13	0	0	0	0	0	419	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1400	469	0	464	0	453	0	450	0	320	0	320	0	-13	0	-11	0	0	0	0	0	426	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1500	477	0	473	0	462	0	459	0	320	0	320	0	-11	0	-9	0	0	0	0	0	430	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1600	474	0	475	0	464	0	460	0	320	0	320	0	-9	0	-9	0	0	0	0	0	428	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1700	471	0	466	0	459	0	453	0	320	0	320	0	-9	0	-9	0	0	0	0	0	424	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1800	462	0	455	0	451	0	446	0	320	0	320	0	-7	0	-7	0	0	0	0	0	419	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1900	442	0	435	0	433	0	428	0	320	0	320	0	-7	0	-7	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2000	424	0	417	0	415	0	412	0	320	0	320	0	-9	0	-7	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2100	408	0	401	0	403	0	397	0	320	0	320	0	-7	0	-5	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2200	405	0	397	0	399	0	396	0	320	0	320	0	-7	0	-7	0	0	0	0	0	388	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2300	397	0	390	0	390	0	385	0	320	0	320	0	-7	0	-7	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2400	394	0	388	0	383	0	379	0	320	0	320	0	-7	0	-7	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S		WIND DIR5	MIN	MAX S		WIND DIR6	
100	118	0	111	0	135	0	141	0	0	0	0	0	120	0	132	108	122	0	141	106	127	0	138	117	117	0	129	106	0	0	0	0	0	0
200	112	0	109	0	129	0	137	0	0	0	0	0	121	0	140	110	123	0	140	105	130	0	140	117	120	0	137	106	0	0	0	0	0	0
300	116	0	110	0	129	0	139	0	0	0	0	0	120	0	132	103	122	0	138	92	126	0	137	117	116	0	130	107	0	0	0	0	0	0
400	109	0	100	0	120	0	128	0	0	0	0	0	121	0	133	112	123	0	142	108	128	0	139	121	118	0	132	110	0	0	0	0	0	0
500	66	0	69	0	92	0	97	0	0	0	0	0	135	0	160	118	137	0	175	123	145	0	158	134	134	0	148	122	0	0	0	0	0	0
600	49	0	36	0	70	0	69	0	0	0	0	0	149	0	185	116	147	0	194	114	171	0	196	154	159	0	194	140	0	0	0	0	0	0
700	39	0	32	0	60	0	56	0	0	0	0	0	159	0	207	124	156	0	222	119	179	0	197	156	167	0	185	149	0	0	0	0	0	1
800	31	0	25	0	59	0	48	0	0	0	0	0	176	0	236	128	179	3	261	115	192	0	214	172	180	0	196	159	0	0	0	0	0	1
900	33	0	29	0	57	0	50	0	0	0	0	0	196	0	240	137	199	3	262	139	202	0	231	179	190	0	219	165	0	0	0	0	0	1
1000	69	0	64	0	96	0	100	0	0	0	0	0	237	0	273	198	234	0	280	181	232	0	253	191	218	0	239	170	0	0	0	0	0	0
1100	116	0	114	0	160	0	170	0	0	0	0	0	247	0	276	210	245	0	287	219	256	0	269	241	242	0	257	231	0	0	0	0	0	0
1200	89	0	86	0	108	0	114	0	0	0	0	0	255	0	289	238	253	0	301	229	269	0	298	242	253	0	272	227	0	0	0	0	0	0
1300	100	0	96	0	116	0	123	0	0	0	0	0	250	0	263	237	248	0	266	219	277	0	292	260	260	0	276	247	0	0	0	0	0	0
1400	67	0	64	0	75	0	78	0	0	0	0	0	258	0	295	237	254	0	324	223	282	0	304	264	267	0	296	246	0	0	0	0	0	0
1500	66	0	62	0	92	0	96	0	0	0	0	0	272	0	315	236	267	0	320	232	288	0	320	248	269	0	294	221	0	0	0	0	0	0
1600	86	0	80	0	116	0	122	0	0	0	0	0	291	0	319	264	285	0	312	248	305	0	326	282	285	0	308	266	0	0	0	0	0	0
1700	57	0	51	0	81	0	87	0	0	0	0	0	279	0	312	245	274	0	326	235	294	0	314	259	275	0	297	236	0	0	0	0	0	0
1800	53	0	47	0	94	0	98	0	0	0	0	0	302	0	319	279	295	0	325	270	316	0	324	301	296	0	305	286	0	0	0	0	0	0
1900	67	0	63	0	90	0	96	0	0	0	0	0	275	0	301	252	270	0	309	244	294	0	320	265	275	0	301	247	0	0	0	0	0	1
2000	87	0	83	0	89	0	90	0	0	0	0	0	248	0	283	227	244	0	269	218	271	0	286	259	253	0	272	245	0	0	0	0	0	1
2100	73	0	69	0	69	0	75	0	0	0	0	0	244	0	258	229	240	0	257	210	269	0	299	256	251	0	279	239	0	0	0	0	0	1
2200	58	0	55	0	70	0	75	0	0	0	0	0	240	0	266	215	235	0	260	207	253	0	282	221	239	0	248	202	0	0	0	0	0	0
2300	60	0	58	0	78	0	85	0	0	0	0	0	245	0	273	212	241	0	270	215	259	0	271	241	244	0	254	218	0	0	0	0	0	0
2400	72	0	69	0	90	0	96	0	0	0	0	0	248	0	275	226	245	0	269	210	267	0	282	258	251	0	264	242	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	383	0	376	0	376	0	370	0	320	0	320	0	-7	0	-5	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	192	0
200	381	0	376	0	376	0	372	0	320	0	320	0	-7	0	-5	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
300	383	0	378	0	376	0	372	0	320	0	320	0	-7	0	-5	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
400	383	0	378	0	378	0	372	0	320	0	320	0	-7	0	-5	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
500	385	0	379	0	378	0	372	0	320	0	320	0	-7	0	-5	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
600	388	0	381	0	383	0	379	0	320	0	320	0	-9	0	2	0	0	0	0	0	381	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
700	388	0	381	0	383	0	379	0	320	0	320	0	-5	0	-4	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
800	390	0	383	0	385	0	381	0	320	0	320	0	-5	0	-4	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
900	396	0	388	0	385	0	381	0	320	0	320	0	-9	0	-7	0	0	0	0	0	432	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1000	403	0	396	0	394	0	390	0	320	0	320	0	-7	0	-5	0	0	0	0	0	410	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1100	399	0	392	0	401	0	398	0	320	0	320	0	2	0	4	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1200	381	0	376	0	388	0	385	0	320	0	320	0	7	0	9	0	0	0	0	0	385	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1300	370	0	365	0	397	0	394	0	320	0	320	0	25	0	27	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1400	356	0	349	0	358	0	354	0	320	0	320	0	-4	0	0	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1500	347	0	340	0	345	0	342	0	320	0	320	0	-5	0	-4	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1600	351	0	343	0	351	0	349	0	320	0	320	0	-4	0	2	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1700	345	0	338	0	345	0	342	0	320	0	320	0	-5	0	-4	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1800	347	0	342	0	347	0	343	0	320	0	320	0	-4	0	2	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1900	347	0	342	0	349	0	345	0	320	0	320	0	2	0	0	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
2000	345	0	340	0	358	0	354	0	320	0	320	0	9	0	11	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
2100	351	0	343	0	365	0	361	0	320	0	320	0	13	0	14	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
2200	358	0	351	0	379	0	374	0	320	0	320	0	20	0	22	0	0	0	0	0	373	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
2300	370	0	365	0	379	0	376	0	320	0	320	0	5	0	7	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
2400	379	0	372	0	390	0	387	0	320	0	320	0	11	0	13	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0

STATUS CODES: DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = CALM DIRECTION

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	98	0	95	0	149	0	158	0	0	0	0	0	247	0	274	224	245	0	288	215	260	0	264	256	245	0	248	239	0	0	0	0	0	0
200	119	0	116	0	176	0	185	0	0	0	0	0	245	0	268	225	242	0	270	207	256	0	262	242	240	0	255	220	0	0	0	0	0	0
300	107	0	104	0	158	0	169	0	0	0	0	0	245	0	266	221	241	0	272	208	253	0	261	242	238	0	246	222	0	0	0	0		0
400	98	0	96	0	158	0	168	0	0	0	0	0	252	0	272	232	249	0	299	218	266	0	276	258	251	0	258	241	0	0	0	0	0	0
500	83	0	78	0	126	0	134	0	0	0	0	0	254	0	281	222	250	0	274	209	273	0	287	252	257	0	266	235	0	0	0	0	0	0
600	56	0	54	0	79	0	85	0	0	0	0	0	255	0	266	232	251	0	276	223	281	0	289	273	264	0	280	256	0	0	0	0	0	0
700	61	0	55	0	89	0	96	0	0	0	0	0	234	0	254	204	232	0	269	200	245	0	265	224	231	0	243	213	0	0	0	0	0	0
800	30	0	22	0	49	0	41	0	0	0	0	0	192	0	231	143	189	3	229	139	220	0	227	214	200	0	218	173	0	0	0	0	0	1
900	31	0	22	0	41	0	43	0	0	0	0	0	219	0	245	190	217	3	253	173	225	0	225	224	210	0	224	190	0	0	0	0	0	1
1000	23	0	20	0	39	0	39	0	0	0	0	0	156	0	239	110	155	3	235	97	160	0	186	148	155	0	188	128	0	0	0	0	0	0
1100	32	0	30	0	43	0	44	0	0	0	0	0	150	0	246	101	150	3	242	96	154	0	200	115	146	0	186	100	0	0	0	0	0	0
1200	46	0	37	0	75	0	68	0	0	0	0	0	191	0	263	105	193	0	264	107	191	0	220	163	178	0	237	136	0	0	0	0	0	0
1300	38	0	32	0	67	0	62	0	0	0	0	0	164	0	231	104	165	0	245	90	180	0	208	143	168	0	194	120	0	0	0	0	0	0
1400	68	0	63	0	75	0	80	0	0	0	0	0	118	0	138	94	119	0	143	86	122	0	145	101	111	0	129	95	0	0	0	0	0	0
1500	77	0	78	0	114	0	118	0	0	0	0	0	135	0	164	108	137	0	176	105	145	0	162	112	135	0	152	97	0	0	0	0	0	0
1600	97	0	101	0	148	0	153	0	0	0	0	0	138	0	163	118	140	0	186	103	147	0	166	125	137	0	156	117	0	0	0	0	0	0
1700	127	0	122	0	149	0	158	0	0	0	0	0	117	0	130	102	118	0	135	97	119	0	133	100	109	0	123	82	0	0	0	0	0	0
1800	173	0	169	0	228	0	235	0	0	0	0	0	125	0	150	102	128	0	157	82	131	0	157	109	121	0	145	92	0	0	0	0	0	0
1900	179	0	178	0	228	0	246	0	0	0	0	0	123	0	136	109	127	0	160	103	131	0	148	110	122	0	145	105	0	0	0	0	0	1
2000	131	0	129	0	192	0	196	0	0	0	0	0	131	0	148	110	133	0	166	110	140	0	158	117	129	0	152	97	0	0	0	0	0	1
2100	169	0	173	0	257	0	261	0	0	0	0	0	132	0	146	115	133	0	153	96	142	0	159	130	132	0	152	121	0	0	0	0	0	0
2200	162	0	169	0	229	0	240	0	0	0	0	0	131	0	153	117	133	0	157	110	141	0	157	123	130	0	147	116	0	0	0	0	0	0
2300	164	0	175	0	268	0	270	0	0	0	0	0	138	0	157	124	140	0	185	114	150	0	173	129	141	0	159	123	0	0	0	0	0	0
2400	144	0	148	0	224	0	229	0	0	0	0	0	140	0	158	123	140	0	158	112	148	0	162	133	137	0	152	120	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	369	0	361	0	383	0	379	0	320	0	320	0	14	0	16	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	1	193	0
200	369	0	361	0	383	0	379	0	320	0	320	0	11	0	13	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	1	193	0
300	365	0	358	0	365	0	360	0	320	0	320	0	0	0	2	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
400	361	0	354	0	370	0	367	0	320	0	320	0	11	0	13	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	1	193	0
500	360	0	352	0	365	0	360	0	320	0	320	0	7	0	9	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
600	365	0	360	0	374	0	369	0	320	0	320	0	9	0	13	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
700	367	0	361	0	367	0	361	0	320	0	320	0	0	0	4	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	1	193	0
800	374	0	369	0	372	0	367	0	320	0	320	0	-2	0	0	0	0	0	0	0	381	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
900	381	0	376	0	374	0	369	0	320	0	320	0	-7	0	-5	0	0	0	0	0	385	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1000	392	0	387	0	383	0	378	0	320	0	320	0	-11	0	-9	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	1	193	0
1100	401	0	396	0	390	0	385	0	320	0	320	0	-11	0	-9	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1200	408	0	403	0	403	0	396	0	320	0	320	0	-7	0	-5	0	0	0	0	0	412	2	0	0	0	0	0	0	0	0	0	0	0	0	193	0
1300	408	0	403	0	399	0	394	0	320	0	320	0	-7	0	-7	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	194	0
1400	410	0	403	0	399	0	396	0	320	0	320	0	-9	0	-7	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1500	412	0	405	0	405	0	399	0	320	0	320	0	-5	0	-4	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	0	0	199	0
1600	414	0	406	0	406	0	401	0	320	0	320	0	-7	0	-5	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	200	0
1700	412	0	405	0	403	0	399	0	320	0	320	0	-7	0	-5	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	0	0	204	0
1800	412	0	405	0	405	0	399	0	320	0	320	0	-7	0	-5	0	0	0	0	0	394	2	0	0	0	0	0	0	0	0	0	0	0	0	210	0
1900	451	0	451	0	455	0	448	0	320	0	320	0	-2	0	0	0	0	0	0	0	417	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
2000	421	0	414	0	414	0	408	0	320	0	320	0	-5	0	-4	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
2100	432	0	426	0	426	0	421	0	320	0	320	0	-5	0	-4	0	0	0	0	0	403	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
2200	437	0	432	0	432	0	426	0	320	0	320	0	-5	0	-4	0	0	0	0	0	408	2	0	0	0	0	0	0	0	0	0	0	0	1	215	0
2300	453	0	446	0	451	0	446	0	320	0	320	0	2	0	0	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
2400	459	0	453	0	455	0	450	0	320	0	320	0	-4	0	2	0	0	0	0	0	419	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S	
100	104	0	109	0	184	0	186	0	0	0	0	0	141	0	169	121	143	0	174	95	154	0	173	137	143	0	164	129	0	0	0	0	0	0
200	98	0	95	0	159	0	161	0	0	0	0	0	157	0	191	131	154	0	190	115	169	0	192	152	157	0	174	134	0	0	0	0	0	0
300	77	0	68	0	141	0	123	0	0	0	0	0	177	0	280	129	171	0	219	111	185	0	208	154	171	0	194	141	0	0	0	0	0	1
400	85	0	66	0	127	0	112	0	0	0	0	0	214	0	247	180	211	0	243	166	213	0	240	183	200	0	219	170	0	0	0	0	0	0
500	118	0	105	0	174	0	171	0	0	0	0	0	231	0	260	208	228	0	282	193	226	0	256	195	212	0	246	189	0	0	0	0	0	0
600	164	0	163	0	253	0	268	0	0	0	0	0	247	0	269	224	244	0	270	215	251	0	262	234	237	0	248	223	0	0	0	0	0	0
700	158	0	154	0	236	0	253	0	0	0	0	0	243	0	264	221	235	0	269	202	247	0	265	232	232	0	254	214	0	0	0	0	0	0
800	138	0	133	0	198	0	210	0	0	0	0	0	238	0	267	194	237	0	284	185	240	0	257	213	224	0	242	197	0	0	0	0	0	0
900	134	0	127	0	198	0	210	0	0	0	0	0	241	0	263	211	238	0	276	199	242	0	280	220	226	0	261	209	0	0	0	0	0	0
1000	149	0	143	0	211	0	223	0	0	0	0	0	240	0	275	220	237	0	274	198	240	0	268	220	224	0	246	201	0	0	0	0	0	0
1100	140	0	134	0	208	0	215	0	0	0	0	0	238	0	272	207	235	0	276	183	237	0	262	212	222	0	244	189	0	0	0	0	0	0
1200	152	0	144	0	214	0	225	0	0	0	0	0	240	0	263	213	239	0	279	200	242	0	276	216	226	0	261	209	0	0	0	0	0	0
1300	143	0	137	0	202	0	212	0	0	0	0	0	241	0	272	221	236	0	283	201	241	0	273	211	226	0	247	208	0	0	0	0	0	0
1400	135	0	130	0	198	0	206	0	0	0	0	0	240	0	273	212	236	0	275	201	239	0	259	219	223	0	254	193	0	0	0	0	0	0
1500	144	0	142	0	205	0	218	0	0	0	0	0	241	0	267	193	237	0	271	193	243	0	269	221	228	0	257	199	0	0	0	0	0	1
1600	191	0	188	0	272	0	291	0	0	0	0	0	249	0	274	219	240	0	285	218	251	0	269	236	235	0	246	217	0	0	0	0	0	0
1700	190	0	187	0	268	0	284	0	0	0	0	0	249	0	270	225	247	0	280	221	252	0	259	246	236	0	242	226	0	0	0	0	0	0
1800	156	0	159	0	241	0	258	0	0	0	0	0	260	0	277	235	256	0	294	227	265	0	276	256	249	0	259	235	0	0	0	0	0	1
1900	218	0	215	0	267	0	270	0	0	0	0	0	311	0	322	303	303	0	326	276	322	0	328	313	301	0	308	292	0	0	0	0	0	0
2000	191	0	186	0	232	0	236	0	0	0	0	0	312	0	325	301	303	0	320	280	323	0	330	314	302	0	320	291	0	0	0	0	0	1
2100	163	0	157	0	213	0	214	0	0	0	0	0	312	0	328	291	305	0	330	282	324	0	331	307	303	0	312	294	0	0	0	0	0	0
2200	146	0	141	0	224	0	221	0	0	0	0	0	330	0	358	303	325	0	354	290	339	0	352	327	318	0	327	307	0	0	0	0	0	0
2300	132	0	125	0	193	0	193	0	0	0	0	0	331	0	15	288	323	0	358	274	341	0	351	332	320	0	330	311	0	0	0	0	0	0
2400	120	0	115	0	163	0	165	0	0	0	0	0	312	0	337	299	304	0	345	270	326	0	337	317	304	0	313	290	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	468	0	462	0	480	0	459	0	320	0	320	0	-4	0	2	0	0	0	0	0	424	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
200	478	0	473	0	473	0	469	0	320	0	320	0	-4	0	-4	0	0	0	0	0	430	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
300	478	0	473	0	475	0	469	0	320	0	320	0	-4	0	2	0	0	0	0	0	430	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
400	477	0	471	0	477	0	473	0	320	0	320	0	2	0	2	0	0	0	0	0	426	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
500	471	0	464	0	468	0	462	0	320	0	320	0	-2	0	0	0	0	0	0	0	423	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
600	392	0	385	0	397	0	392	0	320	0	320	0	7	0	9	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
700	387	0	381	0	388	0	383	0	320	0	320	0	4	0	5	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
800	381	0	374	0	379	0	372	0	320	0	320	0	-2	0	0	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
900	372	0	365	0	367	0	361	0	320	0	320	0	-5	0	-4	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
1000	369	0	363	0	361	0	356	0	320	0	320	0	-7	0	-5	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
1100	367	0	360	0	356	0	351	0	320	0	320	0	-9	0	-7	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
1200	367	0	360	0	356	0	351	0	320	0	320	0	-9	0	-7	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
1300	372	0	367	0	365	0	360	0	320	0	320	0	-7	0	-7	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
1400	356	0	349	0	349	0	345	0	320	0	320	0	-7	0	-5	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
1500	354	0	347	0	347	0	342	0	320	0	320	0	-7	0	-5	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	215	0
1600	349	0	342	0	343	0	338	0	320	0	320	0	-5	0	-4	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	216	0
1700	347	0	342	0	342	0	338	0	320	0	320	0	-5	0	-4	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1800	345	0	338	0	342	0	336	0	320	0	320	0	-4	0	2	0	0	0	0	0	405	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1900	345	0	338	0	340	0	336	0	320	0	320	0	-7	0	-5	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2000	342	0	336	0	338	0	334	0	320	0	320	0	-7	0	-5	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2100	340	0	333	0	336	0	333	0	320	0	320	0	-7	0	-5	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	1	217	0
2200	342	0	334	0	338	0	334	0	320	0	320	0	-7	0	-4	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	0	1	217	0
2300	340	0	333	0	338	0	333	0	320	0	320	0	-7	0	-5	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2400	340	0	334	0	338	0	334	0	320	0	320	0	-5	0	-4	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0

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

DIGITAL GRAPHICS INCORPORATED - AEP COOK METROROLOGICAL DATA FOR FEBRUARY 20, 1989 PAGE 51

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	193	0	139	0	182	0	185	0	0	0	0	0	305	0	322	285	298	0	324	278	315	0	329	305	294	0	305	290	0	0	0	0	0	0	0
200	157	0	156	0	230	0	230	0	0	0	0	0	318	0	342	297	311	0	338	280	331	0	338	311	309	0	322	289	0	0	0	0	0	0	0
300	181	0	177	0	221	0	225	0	0	0	0	0	312	0	326	293	309	0	329	273	322	0	329	319	300	0	308	290	0	0	0	0	0	0	0
400	170	0	165	0	209	0	210	0	0	0	0	0	312	0	326	296	309	0	327	279	329	0	329	315	302	0	308	295	0	0	0	0	0	0	0
500	133	0	127	0	188	0	186	0	0	0	0	0	323	0	352	285	316	0	1	272	335	0	8	320	313	0	330	296	0	0	0	0	0	0	0
600	157	0	149	0	183	0	184	0	0	0	0	0	319	0	335	289	306	0	346	280	323	0	335	311	301	0	315	287	0	0	0	0	0	0	0
700	148	0	140	0	171	0	173	0	0	0	0	0	310	0	333	294	301	0	327	264	318	0	332	306	296	0	309	296	0	0	0	0	0	0	0
800	137	0	131	0	149	0	150	0	0	0	0	0	297	0	316	277	290	0	313	265	299	0	316	263	278	0	287	250	0	0	0	0	0	0	0
900	100	0	94	0	112	0	122	0	0	0	0	0	278	0	316	295	279	0	320	232	286	0	332	253	269	0	303	237	0	0	0	0	0	0	0
1000	148	0	147	0	151	0	159	0	0	0	0	0	266	0	289	246	261	0	293	235	273	0	286	261	259	0	267	236	0	0	0	0	0	0	0
1100	129	0	127	0	157	0	167	0	0	0	0	0	261	0	286	227	255	0	291	213	269	0	289	247	248	0	272	229	0	0	0	0	0	0	0
1200	110	0	109	0	153	0	162	0	0	0	0	0	259	0	280	195	249	0	286	201	259	0	275	239	242	0	263	213	0	0	0	0	0	0	0
1300	122	0	117	0	186	0	196	0	0	0	0	0	255	0	281	231	250	0	297	220	259	0	286	232	242	0	273	211	0	0	0	0	0	0	0
1400	126	0	119	0	202	0	212	0	0	0	0	0	256	0	282	239	253	0	295	219	260	0	278	242	243	0	269	212	0	0	0	0	0	0	0
1500	153	0	151	0	213	0	225	0	0	0	0	0	251	0	272	223	249	0	282	209	253	0	260	296	238	0	296	229	0	0	0	0	0	0	0
1600	141	0	135	0	219	0	223	0	0	0	0	0	253	0	270	226	249	0	276	209	256	0	267	249	241	0	247	233	0	0	0	0	0	0	0
1700	156	0	155	0	226	0	239	0	0	0	0	0	247	0	272	225	244	0	275	197	252	0	261	233	236	0	247	220	0	0	0	0	0	0	0
1800	131	0	127	0	203	0	216	0	0	0	0	0	245	0	269	225	242	0	277	210	251	0	273	239	235	0	247	229	0	0	0	0	0	0	0
1900	146	0	139	0	231	0	246	0	0	0	0	0	242	0	261	216	239	0	284	206	246	0	258	227	230	0	242	219	0	0	0	0	0	0	0
2000	199	0	192	0	291	0	307	0	0	0	0	0	249	0	265	239	246	0	278	206	253	0	258	247	237	0	243	227	0	0	0	0	0	0	0
2100	196	0	195	0	289	0	303	0	0	0	0	0	249	0	262	239	245	0	275	209	254	0	258	248	239	0	243	227	0	0	0	0	0	0	0
2200	179	0	174	0	271	0	286	0	0	0	0	0	253	0	270	235	250	0	277	220	257	0	269	252	242	0	247	239	0	0	0	0	0	0	0
2300	233	0	232	0	275	0	286	0	0	0	0	0	270	0	285	256	269	0	285	238	278	0	289	265	259	0	273	250	0	0	0	0	0	0	0
2400	185	0	177	0	251	0	257	0	0	0	0	0	301	0	312	291	294	0	319	268	312	0	316	308	290	0	297	287	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	340	0	333	0	338	0	334	0	320	0	320	0	-5	0	-4	0	0	0	0	0	360	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
200	336	0	331	0	334	0	331	0	320	0	320	0	-7	0	-5	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
300	333	0	327	0	331	0	327	0	320	0	320	0	-7	0	-5	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
400	329	0	322	0	324	0	320	0	320	0	320	0	-9	0	-7	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
500	317	0	310	0	312	0	308	0	320	0	320	0	-9	0	-7	0	0	0	0	0	349	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
600	314	0	306	0	306	0	303	0	320	0	320	0	-11	0	-7	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
700	314	0	308	0	305	0	301	0	320	0	320	0	-9	0	-7	0	0	0	0	0	349	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
800	320	0	312	0	310	0	305	0	320	0	320	0	-11	0	-9	0	0	0	0	0	351	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
900	322	0	310	0	306	0	303	0	320	0	320	0	-11	0	-9	0	0	0	0	0	351	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1000	315	0	308	0	305	0	301	0	320	0	320	0	-11	0	-7	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1100	327	0	320	0	306	0	303	0	320	0	320	0	-20	0	-18	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1200	333	0	327	0	320	0	315	0	320	0	320	0	-18	0	-16	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1300	356	0	349	0	334	0	333	0	320	0	320	0	-23	0	-22	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1400	363	0	356	0	338	0	334	0	320	0	320	0	-25	0	-22	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1500	358	0	351	0	343	0	340	0	320	0	320	0	-16	0	-14	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1600	358	0	351	0	347	0	343	0	320	0	320	0	-13	0	-11	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1700	363	0	356	0	369	0	365	0	320	0	320	0	4	0	5	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1800	367	0	360	0	374	0	370	0	320	0	320	0	5	0	7	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1900	372	0	365	0	381	0	378	0	320	0	320	0	9	0	11	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2000	374	0	369	0	383	0	379	0	320	0	320	0	7	0	9	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2100	374	0	367	0	381	0	378	0	320	0	320	0	7	0	9	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2200	367	0	360	0	372	0	369	0	320	0	320	0	4	0	5	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2300	370	0	365	0	372	0	369	0	320	0	320	0	0	0	2	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2400	360	0	354	0	367	0	363	0	320	0	320	0	5	0	7	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	149	0	143	0	204	0	207	0	0	0	0	0	310	0	321	292	300	0	320	276	322	0	326	316	299	0	306	296	0	0	0	0	0	0
200	117	0	108	0	166	0	168	0	0	0	0	0	309	0	327	294	301	0	326	272	324	0	329	315	302	0	307	295	0	0	0	0	0	0
300	87	0	81	0	141	0	142	0	0	0	0	0	317	0	342	291	308	0	338	267	330	0	342	320	308	0	317	300	0	0	0	0	0	0
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1200	50	0	45	0	50	0	54	0	0	0	0	0	291	0	329	251	287	0	332	243	285	0	330	241	268	0	307	224	0	0	0	0	0	0
1300	46	0	40	0	48	0	51	0	0	0	0	0	304	0	331	265	299	0	339	249	319	0	338	285	296	0	324	283	0	0	0	0	0	0
1400	47	0	43	0	45	0	49	0	0	0	0	0	308	0	341	275	300	0	332	254	305	0	330	282	284	0	307	258	0	0	0	0	0	0
1500	35	0	30	0	27	0	32	0	0	0	0	0	289	0	338	232	276	3	345	219	286	0	314	251	269	0	311	232	0	0	0	0	0	0
1600	31	0	28	0	27	0	28	0	0	0	0	0	291	0	314	255	283	3	325	224	259	0	296	208	245	0	286	190	0	0	0	0	0	0
1700	41	0	37	0	47	0	51	0	0	0	0	0	235	0	261	209	233	0	263	179	255	0	261	245	238	0	243	231	0	0	0	0	0	0
1800	27	0	16	0	33	0	37	0	0	0	0	0	210	0	225	189	207	5	224	187	247	0	254	242	230	0	239	220	0	0	0	0	0	0
1900	48	0	45	0	54	0	57	0	0	0	0	0	131	0	150	118	133	0	160	121	137	0	149	128	126	0	138	116	0	0	0	0	0	0
2000	53	0	49	0	96	0	94	0	0	0	0	0	157	0	187	137	156	0	190	129	173	0	179	167	161	0	165	153	0	0	0	0	0	0
2100	48	0	45	0	101	0	85	0	0	0	0	0	162	0	192	132	160	0	190	139	182	0	189	176	168	0	175	163	0	0	0	0	0	0
2200	53	0	37	0	93	0	83	0	0	0	0	0	201	0	221	162	199	0	231	168	218	0	230	205	205	0	216	190	0	0	0	0	0	0
2300	50	0	40	0	103	0	86	0	0	0	0	0	188	0	223	133	188	0	231	136	201	0	214	191	186	0	200	176	0	0	0	0	0	0
2400	62	0	50	0	132	0	108	0	0	0	0	0	199	0	229	160	193	0	244	117	200	0	223	189	185	0	197	170	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	351	0	343	0	352	0	349	0	320	0	320	0	4	0	5	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
200	343	0	336	0	342	0	336	0	320	0	320	0	-4	0	2	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
300	334	0	329	0	331	0	325	0	320	0	320	0	-5	0	-4	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	361	0	359	0	349	0	347	0	320	0	320	0	-16	0	-13	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1300	374	0	369	0	361	0	360	0	320	0	320	0	-14	0	-11	0	0	0	0	0	396	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1400	388	0	383	0	367	0	363	0	320	0	320	0	-25	0	-22	0	0	0	0	0	410	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1500	396	0	388	0	385	0	385	0	320	0	320	0	-11	0	-5	0	0	0	0	0	412	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1600	412	0	405	0	396	0	392	0	320	0	320	0	-16	0	-14	0	0	0	0	0	405	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1700	408	0	401	0	408	0	403	0	320	0	320	0	0	0	2	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1800	406	0	399	0	401	0	396	0	320	0	320	0	-5	0	-4	0	0	0	0	0	390	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1900	405	0	397	0	405	0	399	0	320	0	320	0	0	0	2	0	0	0	0	0	390	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2000	399	0	392	0	410	0	406	0	320	0	320	0	13	0	17	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2100	396	0	390	0	419	0	410	0	320	0	320	0	18	0	20	0	0	0	0	0	385	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2200	401	0	394	0	412	0	406	0	320	0	320	0	11	0	14	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2300	392	0	385	0	403	0	397	0	320	0	320	0	13	0	14	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2400	387	0	379	0	399	0	394	0	320	0	320	0	13	0	14	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	65	0	50	0	133	0	118	0	0	0	0	0	199	0	245	153	197	0	255	132	207	0	220	183	194	0	206	181	0	0	0	0	0	0	0	0
200	55	0	42	0	113	0	97	0	0	0	0	0	190	0	259	134	188	0	262	128	198	0	215	174	186	0	205	163	0	0	0	0	0	0	0	0
300	66	0	55	0	141	0	118	0	0	0	0	0	190	0	249	139	189	0	240	137	201	0	222	174	186	0	199	161	0	0	0	0	0	0	0	0
400	87	0	72	0	164	0	136	0	0	0	0	0	196	0	235	157	194	0	249	137	199	0	216	174	188	0	235	156	0	0	0	0	0	0	0	0
500	80	0	62	0	147	0	126	0	0	0	0	0	201	0	242	149	200	0	265	137	207	0	228	194	192	0	207	173	0	0	0	0	0	0	0	0
600	72	0	55	0	151	0	133	0	0	0	0	0	191	0	232	157	194	0	246	140	204	0	214	183	189	0	200	169	0	0	0	0	0	0	0	0
700	74	0	57	0	154	0	129	0	0	0	0	0	194	0	234	143	195	0	249	120	203	0	215	183	189	0	202	167	0	0	0	0	0	0	0	0
800	67	0	55	0	148	0	121	0	0	0	0	0	187	0	269	142	183	0	231	116	197	0	215	145	184	0	204	169	0	0	0	0	0	0	0	0
900	65	0	52	0	121	0	102	0	0	0	0	0	191	0	239	130	189	0	249	112	200	0	224	168	185	0	208	156	0	0	0	0	0	0	0	0
1000	66	0	52	0	109	0	93	0	0	0	0	0	191	0	256	92	193	0	268	103	196	0	231	155	183	0	223	141	0	0	0	0	0	0	0	0
1100	64	0	52	0	109	0	93	0	0	0	0	0	199	0	266	104	201	0	260	104	199	0	243	156	185	0	209	130	0	0	0	0	0	0	0	0
1200	92	0	69	0	130	0	109	0	0	0	0	0	206	0	244	122	203	0	246	120	202	0	228	175	188	0	220	149	0	0	0	0	0	0	0	0
1300	114	0	105	0	145	0	142	0	0	0	0	0	239	0	262	193	232	0	264	176	231	0	259	185	215	0	248	171	0	0	0	0	0	0	0	0
1400	125	0	121	0	172	0	182	0	0	0	0	0	238	0	261	198	235	0	275	197	237	0	263	213	221	0	242	190	0	0	0	0	0	0	0	0
1500	118	0	110	0	177	0	179	0	0	0	0	0	234	0	274	199	233	0	281	187	234	0	262	197	219	0	249	185	0	0	0	0	0	0	0	0
1600	135	0	126	0	206	0	218	0	0	0	0	0	238	0	269	212	236	0	283	197	241	0	260	213	225	0	247	207	0	0	0	0	0	0	0	0
1700	163	0	160	0	239	0	254	0	0	0	0	0	241	0	267	221	238	0	287	202	246	0	259	219	228	0	249	211	0	0	0	0	0	0	0	0
1800	132	0	128	0	206	0	213	0	0	0	0	0	236	0	269	205	234	0	270	190	236	0	254	217	221	0	241	197	0	0	0	0	0	0	0	0
1900	78	0	63	0	121	0	113	0	0	0	0	0	221	0	255	185	219	0	256	173	222	0	253	204	207	0	229	194	0	0	0	0	0	0	0	0
2000	91	0	67	0	133	0	123	0	0	0	0	0	218	0	245	163	216	0	252	173	218	0	239	194	204	0	307	181	0	0	0	0	0	0	0	0
2100	100	0	76	0	152	0	141	0	0	0	0	0	215	0	241	164	214	0	258	136	217	0	243	175	202	0	220	174	0	0	0	0	0	0	0	0
2200	98	0	80	0	150	0	136	0	0	0	0	0	220	0	263	184	216	0	260	153	220	0	251	196	204	0	236	178	0	0	0	0	0	0	0	0
2300	113	0	95	0	167	0	157	0	0	0	0	0	222	0	251	190	219	0	261	162	221	0	246	189	205	0	231	183	0	0	0	0	0	0	0	0
2400	120	0	101	0	167	0	159	0	0	0	0	0	222	0	250	178	221	0	258	178	222	0	246	184	206	0	227	172	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	390	0	383	0	399	0	394	0	320	0	320	0	11	0	13	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
200	392	0	385	0	398	0	390	0	320	0	320	0	5	0	7	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
300	381	0	374	0	387	0	381	0	320	0	320	0	7	0	9	0	0	0	0	0	419	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
400	379	0	374	0	385	0	379	0	320	0	320	0	5	0	7	0	0	0	0	0	376	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
500	379	0	372	0	383	0	379	0	320	0	320	0	5	0	7	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
600	365	0	358	0	381	0	378	0	320	0	320	0	18	0	20	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
700	360	0	352	0	369	0	365	0	320	0	320	0	11	0	13	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
800	360	0	352	0	363	0	360	0	320	0	320	0	4	0	5	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
900	392	0	385	0	385	0	381	0	320	0	320	0	-7	0	-5	0	0	0	0	0	397	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1000	496	0	491	0	426	0	421	0	320	0	320	0	-22	0	-20	0	0	0	0	0	430	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1100	504	0	498	0	477	0	473	0	320	0	320	0	-25	0	-23	0	0	0	0	0	462	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1200	532	0	527	0	511	0	505	0	320	0	320	0	-18	0	-18	0	0	0	0	0	478	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
300	556	0	550	0	534	0	529	0	320	0	320	0	-16	0	-14	0	0	0	0	0	478	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1400	559	0	552	0	540	0	536	0	320	0	320	0	-13	0	-13	0	0	0	0	0	489	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1500	559	0	554	0	545	0	541	0	320	0	320	0	-11	0	-9	0	0	0	0	0	489	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1600	538	0	532	0	529	0	525	0	320	0	320	0	0	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1700	531	0	525	0	538	0	534	0	320	0	320	0	14	0	16	0	0	0	0	0	459	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1800	532	0	527	0	538	0	532	0	320	0	320	0	11	0	13	0	0	0	0	0	457	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1900	541	0	536	0	536	0	532	0	320	0	320	0	4	0	5	0	0	0	0	0	457	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2000	531	0	525	0	523	0	518	0	320	0	320	0	0	0	0	0	0	0	0	0	453	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2100	507	0	502	0	504	0	500	0	320	0	320	0	4	0	5	0	0	0	0	0	441	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2200	498	0	491	0	495	0	491	0	320	0	320	0	2	0	4	0	0	0	0	0	435	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2300	504	0	498	0	498	0	493	0	320	0	320	0	2	0	0	0	0	0	0	0	439	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2400	500	0	495	0	495	0	489	0	320	0	320	0	2	0	0	0	0	0	0	0	437	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	113	0	92	0	162	0	153	0	0	0	0	0	223	0	258	173	223	0	262	168	220	0	250	197	209	0	231	159	0	0	0	0	0	0
200	89	0	71	0	133	0	126	0	0	0	0	0	217	0	259	184	219	0	253	172	218	0	250	181	205	0	230	167	0	0	0	0	0	0
300	92	0	75	0	135	0	136	0	0	0	0	0	221	0	248	157	218	0	257	159	228	0	259	195	212	0	241	182	0	0	0	0	0	0
400	83	0	61	0	127	0	120	0	0	0	0	0	212	0	247	189	209	0	242	179	220	0	240	199	206	0	228	185	0	0	0	0	0	0
500	80	0	62	0	132	0	123	0	0	0	0	0	217	0	241	168	215	0	260	151	221	0	252	193	207	0	230	179	0	0	0	0	0	0
600	79	0	55	0	156	0	136	0	0	0	0	0	197	0	227	142	199	0	254	157	209	0	223	193	195	0	211	182	0	0	0	0	0	0
700	74	0	54	0	153	0	134	0	0	0	0	0	193	0	227	142	192	0	232	129	213	0	227	197	199	0	212	178	0	0	0	0	0	0
800	75	0	59	0	149	0	119	0	0	0	0	0	189	0	220	148	180	0	260	102	193	0	205	178	182	0	266	123	0	0	0	0	0	0
900	86	0	75	0	159	0	133	0	0	0	0	0	179	0	216	115	176	0	260	95	188	0	205	165	174	0	224	127	0	0	0	0	0	0
1000	75	0	60	0	128	0	108	0	0	0	0	0	183	0	256	114	182	0	253	101	192	0	225	161	179	0	247	143	0	0	0	0	0	0
1100	52	0	43	0	90	0	77	0	0	0	0	0	185	0	246	107	187	0	266	100	191	0	231	128	178	0	246	134	0	0	0	0	0	0
1200	60	0	46	0	81	0	69	0	0	0	0	0	219	0	326	180	210	0	269	104	206	0	265	169	190	0	249	120	0	0	0	0	0	0
1300	110	0	105	0	144	0	156	0	0	0	0	0	244	0	268	214	240	0	272	199	250	0	265	237	234	0	249	209	0	0	0	0	0	0
1400	102	0	97	0	134	0	142	0	0	0	0	0	244	0	278	221	241	0	287	211	247	0	266	214	231	0	251	208	0	0	0	0	0	0
1500	90	0	75	0	113	0	114	0	0	0	0	0	226	0	273	194	223	0	282	189	228	0	253	180	213	0	242	174	0	0	0	0	0	0
1600	94	0	83	0	118	0	121	0	0	0	0	0	232	0	293	186	229	0	265	172	231	0	262	185	216	0	250	179	0	0	0	0	0	0
1700	130	0	127	0	220	0	231	0	0	0	0	0	282	0	301	251	277	0	319	234	283	0	310	258	264	0	280	240	0	0	0	0	0	0
1800	131	0	132	0	208	0	220	0	0	0	0	0	263	0	285	234	259	0	286	221	271	0	284	255	254	0	264	242	0	0	0	0	0	0
1900	112	0	111	0	201	0	213	0	0	0	0	0	252	0	270	227	250	0	270	213	272	0	279	265	255	0	259	246	0	0	0	0	0	0
2000	118	0	112	0	177	0	187	0	0	0	0	0	264	0	289	238	260	0	289	229	278	0	303	259	260	0	278	241	0	0	0	0	0	0
2100	108	0	107	0	199	0	208	0	0	0	0	0	256	0	271	242	252	0	274	230	279	0	285	269	262	0	267	253	0	0	0	0	0	0
2200	120	0	118	0	191	0	201	0	0	0	0	0	255	0	276	229	251	0	271	207	279	0	285	269	261	0	268	248	0	0	0	0	0	0
2300	113	0	111	0	162	0	169	0	0	0	0	0	279	0	310	247	275	0	307	239	295	0	316	269	276	0	302	254	0	0	0	0	0	0
2400	153	0	140	0	200	0	198	0	0	0	0	0	25	0	53	4	18	0	64	325	18	0	37	342	358	0	24	327	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	ISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	493	0	487	0	487	0	484	0	320	0	320	0	2	0	0	0	0	0	0	0	432	2	0	0	0	0	0	0	0	0	0	0	0	1	217	0
200	482	0	477	0	480	0	475	0	320	0	320	0	0	0	2	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
300	473	0	466	0	473	0	469	0	320	0	320	0	4	0	4	0	0	0	0	0	423	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
400	446	0	439	0	455	0	450	0	320	0	320	0	9	0	11	0	0	0	0	0	414	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
500	451	0	444	0	453	0	450	0	320	0	320	0	4	0	5	0	0	0	0	0	414	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
600	415	0	408	0	439	0	433	0	320	0	320	0	23	0	25	0	0	0	0	0	399	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
700	405	0	397	0	432	0	426	0	320	0	320	0	27	0	31	0	0	0	0	0	394	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
800	379	0	372	0	387	0	383	0	320	0	320	0	9	0	11	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
900	408	0	401	0	396	0	392	0	320	0	320	0	-13	0	-11	0	0	0	0	0	405	2	0	0	0	0	0	0	0	0	0	0	0	1	217	0
1000	473	0	468	0	444	0	439	0	320	0	320	0	-25	0	-25	0	0	0	0	0	441	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1100	541	0	536	0	504	0	500	0	320	0	320	0	-32	0	-31	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1200	563	0	558	0	538	0	532	0	320	0	320	0	-18	0	-16	0	0	0	0	0	502	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1300	534	0	529	0	525	0	522	0	320	0	320	0	0	0	2	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	1	219	0
1400	550	0	543	0	536	0	531	0	320	0	320	0	-5	0	-2	0	0	0	0	0	484	2	0	0	0	0	0	0	0	0	0	0	0	1	217	6
1500	567	0	561	0	550	0	547	0	320	0	320	0	-5	0	-4	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1600	626	0	619	0	594	0	590	0	320	0	320	0	-18	0	-16	0	0	0	0	0	507	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1700	471	0	464	0	531	0	527	0	320	0	320	0	68	0	70	0	0	0	0	0	424	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1800	491	0	486	0	531	0	525	0	320	0	320	0	47	0	47	0	0	0	0	0	437	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1900	473	0	468	0	504	0	500	0	320	0	320	0	38	0	38	0	0	0	0	0	426	2	0	0	0	0	0	0	0	0	0	0	0	1	217	0
2000	459	0	451	0	482	0	478	0	320	0	320	0	29	0	31	0	0	0	0	0	415	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2100	437	0	432	0	497	0	484	0	320	0	320	0	54	0	56	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2200	428	0	421	0	473	0	468	0	320	0	320	0	49	0	49	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2300	410	0	403	0	415	0	412	0	320	0	320	0	5	0	7	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2400	367	0	361	0	363	0	358	0	320	0	320	0	-7	0	-7	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 30 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	110	0	104	0	136	0	135	0	0	0	0	0	32	0	53	6	25	0	55	355	25	0	55	358	7	0	49	392	0	0	0	0	0	0
200	103	0	99	0	126	0	122	0	0	0	0	0	32	0	61	9	25	0	58	0	25	0	53	351	7	0	41	390	0	0	0	0	0	0
300	99	0	38	0	61	0	60	0	0	0	0	0	347	0	33	273	333	0	33	290	9	0	28	340	344	0	12	317	0	0	0	0	0	0
400	61	0	56	0	94	0	93	0	0	0	0	0	318	0	350	296	312	0	349	276	341	0	353	320	320	0	334	303	0	0	0	0	0	0
500	75	0	67	0	118	0	116	0	0	0	0	0	338	0	20	305	330	0	19	276	347	0	358	335	326	0	344	317	0	0	0	0	0	0
600	62	0	59	0	125	0	125	0	0	0	0	0	313	0	344	283	303	0	336	275	330	0	335	325	309	0	314	300	0	0	0	0	0	0
700	81	0	81	0	134	0	132	0	0	0	0	0	336	0	7	290	329	0	36	284	337	0	351	309	318	0	331	289	0	0	0	0	0	0
800	60	0	58	0	112	0	111	0	0	0	0	0	345	0	45	270	337	0	41	285	348	0	6	332	328	0	347	317	0	0	0	0	0	0
900	73	0	65	0	95	0	93	0	0	0	0	0	17	0	58	320	11	0	107	302	18	0	52	347	0	0	36	316	0	0	0	0	0	0
1000	51	0	45	0	94	0	95	0	0	0	0	0	7	0	86	290	2	0	65	291	4	0	45	332	344	0	30	298	0	0	0	0	0	0
1100	73	0	65	0	97	0	98	0	0	0	0	0	24	0	78	350	18	0	68	324	15	0	47	340	357	0	30	312	0	0	0	0	0	0
1200	102	0	95	0	115	0	113	0	0	0	0	0	34	0	64	8	29	0	77	357	24	0	51	356	7	0	41	340	0	0	0	0	0	0
1300	87	0	82	0	102	0	102	0	0	0	0	0	26	0	58	329	19	0	53	314	14	0	42	335	356	0	30	314	0	0	0	0	0	0
1400	76	0	68	0	139	0	131	0	0	0	0	0	357	0	134	289	356	0	81	276	1	0	46	324	342	0	33	308	0	0	0	0	0	0
1500	149	0	139	0	200	0	195	0	0	0	0	0	22	0	53	344	20	0	65	337	10	0	36	337	354	0	48	323	0	0	0	0	0	0
1600	134	0	127	0	191	0	191	0	0	0	0	0	22	0	52	347	14	0	63	327	9	0	36	331	349	0	18	320	0	0	0	0	0	0
1700	134	0	127	0	196	0	194	0	0	0	0	0	21	0	57	350	14	0	58	321	7	0	40	324	349	0	46	312	0	0	0	0	0	0
1800	116	0	110	0	174	0	176	0	0	0	0	0	16	0	50	338	11	0	71	321	5	0	41	323	345	0	12	310	0	0	0	0	0	0
1900	110	0	101	0	141	0	140	0	0	0	0	0	27	0	57	3	20	0	47	357	17	0	42	355	0	0	37	334	0	0	0	0	0	0
2000	121	0	113	0	165	0	164	0	0	0	0	0	26	0	47	0	18	0	58	298	15	0	43	348	357	0	48	327	0	0	0	0	0	0
2100	85	0	77	0	142	0	138	0	0	0	0	0	17	0	55	330	14	0	73	325	7	0	45	339	346	0	23	312	0	0	0	0	0	0
2200	91	0	83	0	137	0	136	0	0	0	0	0	17	0	45	340	13	0	56	338	10	0	37	343	351	0	14	331	0	0	0	0	0	0
2300	87	0	79	0	108	0	107	0	0	0	0	0	26	0	53	3	19	0	54	340	20	0	40	353	1	0	26	328	0	0	0	0	0	0
2400	72	0	62	0	106	0	104	0	0	0	0	0	0	0	87	288	353	0	64	283	3	0	31	327	343	0	18	308	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	354	0	349	0	345	0	342	0	320	0	320	0	-11	0	-7	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
200	365	0	358	0	356	0	351	0	320	0	320	0	-9	0	-7	0	0	0	0	0	372	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
300	347	0	342	0	340	0	336	0	320	0	320	0	-9	0	-5	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
400	349	0	342	0	347	0	342	0	320	0	320	0	-2	0	0	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
500	356	0	349	0	354	0	349	0	320	0	320	0	2	0	2	0	0	0	0	0	367	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
600	351	0	343	0	347	0	342	0	320	0	320	0	-2	0	0	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
700	349	0	343	0	343	0	338	0	320	0	320	0	-5	0	-4	0	0	0	0	0	365	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
800	349	0	342	0	343	0	338	0	320	0	320	0	-7	0	-5	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
900	349	0	342	0	343	0	338	0	320	0	320	0	-9	0	-7	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1000	349	0	343	0	342	0	336	0	320	0	320	0	-11	0	-9	0	0	0	0	0	378	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1100	351	0	343	0	343	0	338	0	320	0	320	0	-13	0	-11	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1200	352	0	345	0	349	0	345	0	320	0	320	0	-9	0	-7	0	0	0	0	0	410	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1300	358	0	352	0	354	0	349	0	320	0	320	0	-9	0	-9	0	0	0	0	0	374	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1400	369	0	363	0	359	0	349	0	320	0	320	0	-20	0	-18	0	0	0	0	0	390	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1500	352	0	347	0	345	0	342	0	320	0	320	0	-11	0	-11	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1600	340	0	334	0	334	0	331	0	320	0	320	0	-13	0	-11	0	0	0	0	0	363	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1700	342	0	334	0	336	0	331	0	320	0	320	0	-11	0	-9	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1800	340	0	333	0	333	0	327	0	320	0	320	0	-11	0	-9	0	0	0	0	0	358	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1900	333	0	327	0	325	0	322	0	320	0	320	0	-11	0	-7	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2000	336	0	331	0	334	0	329	0	320	0	320	0	-9	0	-7	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2100	338	0	331	0	334	0	331	0	320	0	320	0	-9	0	-7	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2200	338	0	331	0	336	0	333	0	320	0	320	0	-9	0	-7	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2300	338	0	331	0	336	0	331	0	320	0	320	0	-9	0	-7	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2400	336	0	331	0	334	0	331	0	320	0	320	0	-9	0	-7	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN MAX 50 B	S	WIND DIR2	MIN MAX 150A	S	WIND DIR3	MIN MAX 150B	S	WIND DIR4	MIN MAX	S	WIND DIR5	MIN MAX	S	WIND DIR6		
100	58	0	59	0	114	0	111	0	0	0	0	0	357	0	78 284	354	0	77 287	1	0	29 329	342	0	33 312	0	0	0	0	0	0
200	122	0	115	0	155	0	155	0	0	0	0	0	23	0	52 359	15	0	62 280	15	0	49 345	356	0	27 325	0	0	0	0	0	0
300	107	0	100	0	142	0	138	0	0	0	0	0	27	0	47 347	19	0	54 336	17	0	36 349	359	0	25 332	0	0	0	0	0	0
400	56	0	51	0	67	0	70	0	0	0	0	0	38	0	65 13	31	0	64 2	40	0	71 10	22	0	60 354	0	0	0	0	0	0
500	77	0	72	0	86	0	89	0	0	0	0	0	35	0	66 1	29	0	67 357	35	0	62 10	18	0	47 338	0	0	0	0	0	0
600	93	0	87	0	99	0	104	0	0	0	0	0	40	0	67 18	38	0	71 6	40	0	68 7	23	0	58 351	0	0	0	0	0	0
700	99	0	91	0	124	0	121	0	0	0	0	0	32	0	53 13	28	0	60 352	29	0	56 355	10	0	42 312	0	0	0	0	0	0
800	55	0	51	0	64	0	66	0	0	0	0	0	38	0	68 358	32	0	62 344	32	0	59 5	14	0	46 341	0	0	0	0	0	0
900	62	0	64	0	79	0	83	0	0	0	0	0	48	0	83 348	42	0	84 331	40	0	71 5	22	0	56 346	0	0	0	0	0	0
1000	58	0	52	0	66	0	65	0	0	0	0	0	11	0	62 294	4	0	84 297	14	0	42 331	357	0	105 308	0	0	0	0	0	0
1100	53	0	47	0	52	0	52	0	0	0	0	0	11	0	63 293	6	0	63 303	6	0	51 287	347	0	37 287	0	0	0	0	0	0
1200	39	0	34	0	36	0	39	0	0	0	0	0	291	0	340 212	287	0	354 221	314	0	0 270	292	0	341 235	0	0	0	0	0	0
1300	43	0	37	0	41	0	43	0	0	0	0	0	296	0	352 224	294	0	349 230	331	0	42 276	310	0	82 273	0	0	0	0	0	0
1400	39	0	33	0	44	0	44	0	0	0	0	0	325	0	71 271	306	0	354 202	328	0	16 280	305	0	351 251	0	0	0	0	0	0
1500	50	0	47	0	43	0	47	0	0	0	0	0	279	0	342 206	274	0	334 212	277	0	338 225	259	0	316 196	0	0	0	0	0	0
1600	41	0	36	0	47	0	50	0	0	0	0	0	312	0	356 201	311	0	358 208	331	0	23 293	309	0	357 273	0	0	0	0	0	0
1700	42	0	41	0	43	0	49	0	0	0	0	0	56	0	85 23	51	0	93 7	53	0	69 26	36	0	60 5	0	0	0	0	0	0
1800	24	0	21	0	17	0	22	0	0	0	0	0	45	3	80 8	39	3	80 357	37	3	55 23	24	3	58 351	0	0	0	0	0	0
1900	52	0	46	0	58	0	58	0	0	0	0	0	94	0	104 86	91	0	102 79	91	0	99 84	75	0	84 66	0	0	0	0	0	0
2000	65	0	57	0	97	0	94	0	0	0	0	0	89	0	106 76	86	0	112 68	89	0	96 84	74	0	80 69	0	0	0	0	0	0
2100	69	0	62	0	90	0	91	0	0	0	0	0	100	0	108 93	98	0	109 89	103	0	107 101	88	0	93 86	0	0	0	0	0	0
2200	62	0	59	0	78	0	80	0	0	0	0	0	140	0	149 133	149	0	151 133	135	0	139 132	121	0	126 117	0	0	0	0	0	0
2300	41	0	36	0	60	0	64	0	0	0	0	0	116	0	141 77	116	0	140 70	127	0	138 100	114	0	123 78	0	0	0	0	0	0
2400	62	0	63	0	90	0	100	0	0	0	0	0	72	0	87 63	70	0	87 58	76	0	83 67	60	0	67 49	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	333	0	327	0	331	0	327	0	320	0	320	0	-9	0	-7	0	0	0	0	0	356	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
200	331	0	324	0	327	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
300	327	0	322	0	325	0	322	0	320	0	320	0	-9	0	-7	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
400	320	0	312	0	315	0	310	0	320	0	320	0	-11	0	-7	0	0	0	0	0	349	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
500	303	0	296	0	301	0	297	0	320	0	320	0	-11	0	-7	0	0	0	0	0	342	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
600	294	0	287	0	290	0	288	0	320	0	320	0	-11	0	-9	0	0	0	0	0	334	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
700	288	0	283	0	288	0	285	0	320	0	320	0	-9	0	-7	0	0	0	0	0	333	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
800	292	0	285	0	290	0	287	0	320	0	320	0	-11	0	-7	0	0	0	0	0	336	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
900	297	0	292	0	296	0	292	0	320	0	320	0	-11	0	-9	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1000	317	0	312	0	315	0	312	0	320	0	320	0	-9	0	-7	0	0	0	0	0	369	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1100	322	0	314	0	322	0	315	0	320	0	320	0	-7	0	-7	0	0	0	0	0	405	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1200	327	0	322	0	336	0	336	0	320	0	320	0	2	0	7	0	0	0	0	0	392	2	0	0	0	0	0	0	0	0	0	0	0	1	217	0
1300	340	0	334	0	334	0	333	0	320	0	320	0	-11	0	-7	0	0	0	0	0	381	2	0	0	0	0	0	0	0	0	0	0	0	1	217	0
1400	343	0	338	0	329	0	327	0	320	0	320	0	-22	0	-16	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1500	347	0	342	0	334	0	333	0	320	0	320	0	-20	0	-14	0	0	0	0	0	387	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1600	347	0	340	0	327	0	325	0	320	0	320	0	-23	0	-22	0	0	0	0	0	315	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1700	331	0	329	0	325	0	322	0	320	0	320	0	-11	0	-13	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1800	324	0	315	0	317	0	312	0	320	0	320	0	-11	0	-9	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1900	310	0	301	0	312	0	308	0	320	0	320	0	-5	0	0	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	1	217	0
2000	296	0	287	0	306	0	301	0	320	0	320	0	4	0	7	0	0	0	0	0	303	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2100	290	0	283	0	303	0	299	0	320	0	320	0	7	0	9	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2200	287	0	281	0	303	0	299	0	320	0	320	0	9	0	13	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2300	278	0	269	0	301	0	297	0	320	0	320	0	14	0	22	0	0	0	0	0	324	2	0	0	0	0	0	0	0	0	0	0	0	1	217	0
2400	269	0	260	0	283	0	279	0	320	0	320	0	7	0	11	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0	217	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	58	0	50	0	80	0	82	0	0	0	0	0	84	0	92	80	83	0	95	77	84	0	87	79	68	0	71	69	0	0	0	0
200	69	0	61	0	102	0	103	0	0	0	0	0	82	0	88	75	81	0	91	67	81	0	82	79	65	0	67	69	0	0	0	0
300	72	0	69	0	93	0	97	0	0	0	0	0	80	0	101	66	79	0	110	59	80	0	89	66	69	0	82	53	0	0	0	0
400	78	0	72	0	92	0	96	0	0	0	0	0	83	0	109	68	81	0	111	57	82	0	93	65	68	0	86	50	0	0	0	0
500	76	0	69	0	92	0	93	0	0	0	0	0	95	0	128	70	96	0	128	67	99	0	129	83	83	0	110	69	0	0	0	0
600	79	0	66	0	92	0	92	0	0	0	0	0	99	0	122	80	99	0	130	69	101	0	118	86	86	0	98	72	0	0	0	0
700	76	0	70	0	97	0	97	0	0	0	0	0	99	0	133	75	99	0	146	57	97	0	111	73	82	0	101	58	0	0	0	0
800	81	0	73	0	109	0	111	0	0	0	0	0	101	0	125	83	103	0	149	65	101	0	113	90	86	0	100	71	0	0	0	0
900	93	0	85	0	101	0	101	0	0	0	0	0	101	0	130	70	101	0	140	69	100	0	127	76	86	0	129	60	0	0	0	0
1000	96	0	90	0	112	0	113	0	0	0	0	0	97	0	135	55	98	0	140	61	99	0	122	80	89	0	112	60	0	0	0	0
1100	107	0	103	0	118	0	121	0	0	0	0	0	83	0	125	54	83	0	123	46	86	0	126	62	70	0	109	50	0	0	0	0
1200	99	0	88	0	98	0	98	0	0	0	0	0	85	0	106	68	86	0	120	66	87	0	102	67	72	0	89	58	0	0	0	0
1300	79	0	78	0	87	0	92	0	0	0	0	0	83	0	123	49	82	0	126	38	84	0	126	49	70	0	112	37	0	0	0	0
1400	82	0	74	0	97	0	96	0	0	0	0	0	25	0	62	324	19	0	59	322	14	0	68	320	354	0	35	309	0	0	0	0
1500	108	0	102	0	118	0	119	0	0	0	0	0	29	0	63	351	19	0	57	341	15	0	43	341	356	0	29	308	0	0	0	0
1600	121	0	116	0	135	0	130	0	0	0	0	0	31	0	60	349	26	0	59	337	28	0	51	355	9	0	37	337	0	0	0	0
1700	121	0	112	0	140	0	136	0	0	0	0	0	33	0	55	12	27	0	60	355	29	0	46	1	11	0	32	330	0	0	0	0
1800	109	0	105	0	128	0	129	0	0	0	0	0	41	0	63	22	35	0	70	1	41	0	66	20	23	0	53	1	0	0	0	0
1900	122	0	118	0	142	0	146	0	0	0	0	0	43	0	80	23	37	0	88	12	42	0	73	21	25	0	52	7	0	0	0	0
2000	102	0	100	0	122	0	128	0	0	0	0	0	43	0	73	23	39	0	79	5	43	0	69	13	26	0	65	0	0	0	0	0
2100	98	0	98	0	112	0	118	0	0	0	0	0	46	0	79	19	42	0	81	11	43	0	68	18	27	0	58	358	0	0	0	0
2200	61	0	61	0	68	0	79	0	0	0	0	0	51	0	80	27	47	0	79	11	51	0	84	29	39	0	92	5	0	0	0	0
2300	81	0	88	0	98	0	113	0	0	0	0	0	69	0	82	43	61	0	91	36	60	0	82	39	49	0	69	29	0	0	0	0
2400	78	0	83	0	97	0	116	0	0	0	0	0	69	0	83	46	61	0	86	29	61	0	85	39	49	0	71	13	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	261	0	252	0	274	0	270	0	320	0	320	0	5	0	9	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
200	261	0	259	0	279	0	276	0	320	0	320	0	9	0	11	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
300	267	0	260	0	272	0	269	0	320	0	320	0	-5	0	2	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
400	267	0	260	0	267	0	261	0	320	0	320	0	-7	0	-5	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
500	263	0	256	0	263	0	260	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
600	260	0	252	0	261	0	258	0	320	0	320	0	-7	0	-5	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
700	256	0	249	0	258	0	254	0	320	0	320	0	-7	0	-4	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
800	254	0	247	0	258	0	254	0	320	0	320	0	-7	0	-4	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
900	267	0	260	0	265	0	261	0	320	0	320	0	-11	0	-9	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1000	272	0	267	0	270	0	265	0	320	0	320	0	-13	0	-11	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1100	288	0	283	0	281	0	278	0	320	0	320	0	-16	0	-16	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1200	288	0	283	0	285	0	281	0	320	0	320	0	-14	0	-13	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1300	314	0	308	0	306	0	303	0	320	0	320	0	-16	0	-14	0	0	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1400	324	0	320	0	320	0	317	0	320	0	320	0	-9	0	-9	0	0	0	0	0	370	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1500	310	0	305	0	310	0	306	0	320	0	320	0	-5	0	-5	0	0	0	0	0	360	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1600	306	0	301	0	305	0	301	0	320	0	320	0	-7	0	-7	0	0	0	0	0	349	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1700	296	0	290	0	294	0	290	0	320	0	320	0	-9	0	-7	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1800	290	0	283	0	287	0	283	0	320	0	320	0	-11	0	-9	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1900	283	0	276	0	281	0	278	0	320	0	320	0	-11	0	-9	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2000	281	0	272	0	279	0	274	0	320	0	320	0	-11	0	-7	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2100	278	0	270	0	278	0	272	0	320	0	320	0	-11	0	-9	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2200	278	0	272	0	278	0	274	0	320	0	320	0	-9	0	-7	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2300	276	0	269	0	276	0	272	0	320	0	320	0	-9	0	-5	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2400	272	0	265	0	272	0	269	0	320	0	320	0	-7	0	-5	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S	
100	119	0	117	0	144	0	151	0	0	0	0	0	81	0	107	61	80	0	117	51	80	0	99	56	64	0	86	41	0	0	0	0	0	0
200	103	0	97	0	133	0	133	0	0	0	0	0	92	0	122	71	90	0	125	55	93	0	117	75	78	0	110	59	0	0	0	0	0	0
300	123	0	120	0	143	0	148	0	0	0	0	0	83	0	114	64	80	0	111	45	82	0	99	63	66	0	89	48	0	0	0	0	0	0
400	120	0	118	0	141	0	144	0	0	0	0	0	84	0	110	63	82	0	117	48	85	0	120	60	70	0	101	53	0	0	0	0	0	0
500	129	0	132	0	156	0	164	0	0	0	0	0	80	0	103	52	77	0	105	45	80	0	100	66	64	0	94	47	0	0	0	0	0	0
600	103	0	100	0	130	0	134	0	0	0	0	0	86	0	121	65	83	0	111	44	84	0	106	54	70	0	97	38	0	0	0	0	0	0
700	143	0	136	0	167	0	175	0	0	0	0	0	84	0	110	56	79	0	121	48	83	0	110	61	68	0	93	50	0	0	0	0	0	0
800	186	0	182	0	229	0	235	0	0	0	0	0	90	0	117	58	88	0	142	41	89	0	117	54	75	0	111	48	0	0	0	0	0	0
900	201	0	201	0	246	0	253	0	0	0	0	0	83	0	111	54	81	0	122	44	82	0	105	60	68	0	97	51	0	0	0	0	0	0
1000	179	0	179	0	215	0	221	0	0	0	0	0	83	0	112	56	80	0	109	49	83	0	109	54	68	0	104	45	0	0	0	0	0	0
1100	185	0	189	0	231	0	246	0	0	0	0	0	74	0	96	51	77	0	109	49	78	0	106	59	63	0	88	46	0	0	0	0	0	0
1200	187	0	197	0	216	0	239	0	0	0	0	0	75	0	103	51	74	0	104	36	76	0	103	54	61	0	84	41	0	0	0	0	0	0
1300	192	0	194	0	230	0	253	0	0	0	0	0	75	0	98	52	75	0	117	39	76	0	95	54	61	0	82	39	0	0	0	0	0	0
1400	185	0	201	0	220	0	246	0	0	0	0	0	70	0	94	35	68	0	106	43	70	0	95	37	55	0	82	24	0	0	0	0	0	0
1500	148	0	166	0	181	0	210	0	0	0	0	0	64	0	91	36	62	0	103	21	64	0	90	38	47	0	73	15	0	0	0	0	0	0
1600	155	0	167	0	183	0	221	0	0	0	0	0	64	0	87	44	60	0	106	34	62	0	84	41	47	0	77	20	0	0	0	0	0	0
1700	167	0	191	0	205	0	236	0	0	0	0	0	64	0	81	48	60	0	84	33	61	0	81	31	44	0	71	18	0	0	0	0	0	0
1800	176	0	195	0	215	0	257	0	0	0	0	0	60	0	85	36	57	0	85	10	59	0	106	32	44	0	83	18	0	0	0	0	0	0
1900	153	0	157	0	180	0	198	0	0	0	0	0	48	0	81	23	42	0	81	356	48	0	85	13	32	0	61	7	0	0	0	0	0	0
2000	159	0	174	0	199	0	231	0	0	0	0	0	58	0	99	40	54	0	101	13	58	0	84	33	40	0	77	19	0	0	0	0	0	0
2100	165	0	179	0	192	0	220	0	0	0	0	0	57	0	86	33	51	0	82	24	54	0	78	17	38	0	66	14	0	0	0	0	0	0
2200	174	0	188	0	222	0	251	0	0	0	0	0	55	0	79	35	49	0	95	18	53	0	79	31	35	0	72	7	0	0	0	0	0	0
2300	145	0	152	0	179	0	198	0	0	0	0	0	52	0	75	29	48	0	84	20	48	0	78	25	31	0	56	6	0	0	0	0	0	0
2400	158	0	168	0	186	0	207	0	0	0	0	0	56	0	78	28	52	0	77	4	50	0	78	22	35	0	60	6	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	261	0	254	0	256	0	252	0	320	0	320	0	-7	0	-5	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
200	265	0	258	0	256	0	252	0	320	0	320	0	-7	0	-5	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
300	258	0	251	0	249	0	243	0	320	0	320	0	-9	0	-7	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
400	245	0	238	0	236	0	231	0	320	0	320	0	-11	0	-7	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
500	238	0	233	0	229	0	225	0	320	0	320	0	-11	0	-7	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
600	236	0	231	0	227	0	222	0	320	0	320	0	-9	0	-7	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
700	238	0	231	0	227	0	222	0	320	0	320	0	-9	0	-7	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
800	240	0	234	0	229	0	225	0	320	0	320	0	-11	0	-7	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
900	240	0	234	0	231	0	227	0	320	0	320	0	-11	0	-9	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1000	245	0	240	0	236	0	233	0	320	0	320	0	-11	0	-9	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1100	254	0	247	0	245	0	240	0	320	0	320	0	-13	0	-9	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1200	261	0	254	0	252	0	249	0	320	0	320	0	-13	0	-9	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1300	272	0	265	0	260	0	256	0	320	0	320	0	-13	0	-9	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1400	265	0	258	0	254	0	251	0	320	0	320	0	-11	0	-9	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1500	252	0	245	0	245	0	240	0	320	0	320	0	-9	0	-7	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1600	242	0	236	0	236	0	233	0	320	0	320	0	-9	0	-7	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1700	247	0	240	0	243	0	240	0	320	0	320	0	-9	0	-7	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1800	254	0	247	0	252	0	249	0	320	0	320	0	-9	0	-7	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1900	238	0	233	0	240	0	236	0	320	0	320	0	-9	0	-7	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2000	234	0	229	0	238	0	233	0	320	0	320	0	-9	0	-7	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2100	229	0	222	0	229	0	224	0	320	0	320	0	-9	0	-7	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2200	231	0	225	0	233	0	229	0	320	0	320	0	-9	0	-7	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2300	227	0	220	0	229	0	225	0	320	0	320	0	-9	0	-7	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
2400	233	0	225	0	233	0	227	0	320	0	320	0	-11	0	-7	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	160	0	171	0	183	0	212	0	0	0	0	0	58	0	83	37	56	0	89	21	55	0	78	28	37	0	68	16	0	0	0	0	0	0	0	0	0	0
200	155	0	160	0	184	0	202	0	0	0	0	0	48	0	75	28	42	0	73	19	48	0	72	17	30	0	53	359	0	0	0	0	0	0	0	0	0	0
300	157	0	166	0	197	0	212	0	0	0	0	0	55	0	82	22	49	0	79	4	49	0	85	20	32	0	63	6	0	0	0	0	0	0	0	0	0	0
400	147	0	149	0	178	0	181	0	0	0	0	0	46	0	73	14	41	0	78	8	41	0	70	16	24	0	59	348	0	0	0	0	0	0	0	0	0	0
500	165	0	159	0	195	0	203	0	0	0	0	0	43	0	67	21	39	0	90	6	41	0	66	7	23	0	63	358	0	0	0	0	0	0	0	0	0	0
600	186	0	186	0	234	0	238	0	0	0	0	0	46	0	66	23	39	0	66	11	42	0	85	22	25	0	53	351	0	0	0	0	0	0	0	0	0	0
700	175	0	181	0	221	0	233	0	0	0	0	0	48	0	82	23	42	0	78	10	42	0	75	21	25	0	74	359	0	0	0	0	0	0	0	0	0	0
800	201	0	201	0	248	0	256	0	0	0	0	0	45	0	76	20	39	0	90	5	40	0	71	13	22	0	61	353	0	0	0	0	0	0	0	0	0	0
900	221	0	210	0	257	0	258	0	0	0	0	0	38	0	67	16	33	0	74	352	39	0	65	4	21	0	60	345	0	0	0	0	0	0	0	0	0	0
1000	217	0	225	0	259	0	269	0	0	0	0	0	45	0	75	14	39	0	71	12	43	0	69	18	25	0	59	344	0	0	0	0	0	0	0	0	0	0
1100	235	0	234	0	278	0	279	0	0	0	0	0	40	0	71	13	34	0	102	352	39	0	65	23	21	0	59	358	0	0	0	0	0	0	0	0	0	0
1200	222	0	214	0	266	0	269	0	0	0	0	0	41	0	62	15	35	0	72	355	39	0	73	14	20	0	57	348	0	0	0	0	0	0	0	0	0	0
1300	195	0	193	0	232	0	232	0	0	0	0	0	38	0	69	7	32	0	78	354	36	0	76	6	19	0	60	343	0	0	0	0	0	0	0	0	0	0
1400	216	0	207	0	270	0	263	0	0	0	0	0	27	0	58	359	19	0	63	346	18	0	50	347	359	0	42	328	0	0	0	0	0	0	0	0	0	0
1500	210	0	197	0	310	0	304	0	0	0	0	0	19	0	49	352	13	0	54	308	8	0	35	325	349	0	14	301	0	0	0	0	0	0	0	0	0	0
1600	205	0	186	0	310	0	305	0	0	0	0	0	18	0	51	336	14	0	55	315	8	0	41	327	348	0	29	307	0	0	0	0	0	0	0	0	0	0
1700	202	0	195	0	310	0	305	0	0	0	0	0	17	0	53	339	12	0	72	305	8	0	32	305	347	0	16	293	0	0	0	0	0	0	0	0	0	0
1800	217	0	211	0	333	0	326	0	0	0	0	0	20	0	43	349	13	0	63	320	8	0	39	343	349	0	17	318	0	0	0	0	0	0	0	0	0	0
1900	224	0	212	0	318	0	315	0	0	0	0	0	25	0	55	344	17	0	74	329	12	0	46	329	353	0	25	324	0	0	0	0	0	0	0	0	0	0
2000	254	0	234	0	367	0	358	0	0	0	0	0	19	0	48	330	12	0	60	318	11	0	33	339	352	0	26	305	0	0	0	0	0	0	0	0	0	0
2100	261	0	244	0	360	0	352	0	0	0	0	0	25	0	47	359	17	0	58	338	14	0	40	321	355	0	20	319	0	0	0	0	0	0	0	0	0	0
2200	245	0	232	0	337	0	328	0	0	0	0	0	26	0	50	357	18	0	61	324	17	0	46	327	359	0	41	318	0	0	0	0	0	0	0	0	0	0
2300	197	0	187	0	260	0	256	0	0	0	0	0	29	0	46	357	23	0	62	343	20	0	44	348	2	0	27	330	0	0	0	0	0	0	0	0	0	0
2400	213	0	209	0	304	0	299	0	0	0	0	0	22	0	67	348	16	0	50	333	13	0	32	342	354	0	37	324	0	0	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	234	0	229	0	231	0	227	0	320	0	320	0	-9	0	-7	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
200	236	0	231	0	231	0	227	0	320	0	320	0	-9	0	-7	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
300	243	0	236	0	236	0	233	0	320	0	320	0	-9	0	-7	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
400	243	0	236	0	236	0	233	0	320	0	320	0	-9	0	-7	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
500	234	0	229	0	227	0	224	0	320	0	320	0	-9	0	-7	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
600	236	0	231	0	229	0	224	0	320	0	320	0	-9	0	-7	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
700	238	0	231	0	229	0	224	0	320	0	320	0	-9	0	-7	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
800	240	0	234	0	236	0	233	0	320	0	320	0	-9	0	-7	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
900	243	0	236	0	243	0	238	0	320	0	320	0	-9	0	-7	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1000	240	0	234	0	240	0	236	0	320	0	320	0	-9	0	-7	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1100	247	0	242	0	247	0	243	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1200	251	0	245	0	252	0	247	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1300	261	0	258	0	265	0	258	0	320	0	320	0	-9	0	-7	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	217	0
1400	276	0	269	0	272	0	269	0	320	0	320	0	-9	0	-7	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	218	0
1500	270	0	265	0	270	0	265	0	320	0	320	0	-11	0	-9	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1600	269	0	261	0	269	0	263	0	320	0	320	0	-11	0	-9	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1700	263	0	256	0	261	0	258	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1800	263	0	256	0	263	0	258	0	320	0	320	0	-11	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1900	267	0	260	0	261	0	258	0	320	0	320	0	-11	0	-7	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2000	265	0	258	0	263	0	258	0	320	0	320	0	-11	0	-7	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2100	265	0	258	0	261	0	258	0	320	0	320	0	-11	0	-7	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2200	265	0	258	0	261	0	258	0	320	0	320	0	-11	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2300	260	0	252	0	265	0	260	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2400	256	0	249	0	260	0	254	0	320	0	320	0	-9	0	-7	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	214	0	203	0	331	0	318	0	0	0	0	0	13	0	36	331	7	0	58	283	4	0	35	323	345	0	50	307	0	0	0	0	0	0
200	195	0	178	0	344	0	330	0	0	0	0	0	2	0	62	305	351	0	49	295	1	0	35	319	342	0	14	288	0	0	0	0	0	0
300	181	0	163	0	319	0	311	0	0	0	0	0	3	0	69	322	356	0	57	281	1	0	46	331	340	0	15	304	0	0	0	0	0	1
400	198	0	178	0	323	0	310	0	0	0	0	0	13	0	58	316	6	0	107	271	6	0	43	328	346	0	32	300	0	0	0	0	0	0
500	192	0	172	0	299	0	292	0	0	0	0	0	2	0	52	324	354	0	59	305	0	0	36	329	341	0	29	293	0	0	0	0	0	0
600	197	0	185	0	307	0	295	0	0	0	0	0	354	0	32	323	346	0	76	288	358	0	38	323	337	0	13	308	0	0	0	0	0	0
700	225	0	212	0	321	0	307	0	0	0	0	0	352	0	35	329	343	0	53	306	357	0	33	332	336	0	34	304	0	0	0	0	0	0
800	256	0	234	0	350	0	343	0	0	0	0	0	347	0	13	321	335	0	15	305	350	0	5	331	330	0	351	308	0	0	0	0	0	0
900	273	0	262	0	366	0	361	0	0	0	0	0	345	0	10	330	336	0	13	299	347	0	7	326	327	0	347	309	0	0	0	0	0	0
1000	199	0	191	0	288	0	281	0	0	0	0	0	356	0	55	317	349	0	78	293	354	0	38	322	333	0	15	304	0	0	0	0	0	0
1100	243	0	228	0	320	0	314	0	0	0	0	0	342	0	0	305	332	0	8	303	347	0	5	302	326	0	343	307	0	0	0	0	0	0
1200	216	0	203	0	286	0	281	0	0	0	0	0	339	0	356	310	331	0	9	292	345	0	7	326	324	0	354	303	0	0	0	0	0	0
1300	206	0	203	0	284	0	281	0	0	0	0	0	334	0	0	302	326	0	0	282	340	0	352	311	318	0	331	295	0	0	0	0	0	0
1400	219	0	216	0	304	0	301	0	0	0	0	0	333	0	4	301	326	0	16	275	340	0	359	309	318	0	335	299	0	0	0	0	0	[illegible]
1500	242	0	239	0	302	0	306	0	0	0	0	0	314	0	336	297	303	0	334	265	325	0	341	309	302	0	312	272	0	0	0	0	0	1
1600	191	0	186	0	258	0	257	0	0	0	0	0	322	0	357	290	314	0	357	276	333	0	354	308	312	0	343	282	0	0	0	0	0	0
1700	166	0	164	0	216	0	216	0	0	0	0	0	327	0	13	295	317	0	1	275	334	0	349	313	312	0	328	291	0	0	0	0	0	0
1800	176	0	166	0	234	0	234	0	0	0	0	0	333	0	354	302	327	0	8	285	338	0	354	317	317	0	336	296	0	0	0	0	0	0
1900	198	0	186	0	273	0	266	0	0	0	0	0	347	0	17	300	339	0	26	298	355	0	35	334	335	0	7	316	0	0	0	0	0	1
2000	153	0	141	0	242	0	239	0	0	0	0	0	357	0	53	310	351	0	28	298	356	0	39	313	336	0	58	277	0	0	0	0	0	0
2100	210	0	197	0	271	0	268	0	0	0	0	0	336	0	356	305	327	0	17	275	342	0	5	323	320	0	344	309	0	0	0	0	0	0
2200	188	0	184	0	268	0	263	0	0	0	0	0	331	0	1	294	322	0	356	286	338	0	4	311	317	0	340	288	0	0	0	0	0	0
2300	174	0	162	0	228	0	227	0	0	0	0	0	337	0	17	305	330	0	3	288	343	0	16	304	322	0	356	289	0	0	0	0	0	0
2400	171	0	167	0	223	0	223	0	0	0	0	0	327	0	351	289	318	0	350	263	334	0	346	318	312	0	323	284	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	265	0	258	0	265	0	260	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
200	265	0	258	0	258	0	252	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
300	267	0	260	0	260	0	256	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
400	263	0	256	0	258	0	252	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	1	219	[illegible]
500	256	0	249	0	247	0	243	0	320	0	320	0	-11	0	-7	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
600	247	0	240	0	238	0	233	0	320	0	320	0	-11	0	-9	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
700	242	0	238	0	243	0	233	0	320	0	320	0	-11	0	-7	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
800	236	0	231	0	229	0	224	0	320	0	320	0	-13	0	-9	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
900	238	0	233	0	234	0	229	0	320	0	320	0	-13	0	-9	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1000	233	0	225	0	224	0	220	0	320	0	320	0	-13	0	-11	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1100	224	0	218	0	218	0	213	0	320	0	320	0	-13	0	-11	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1200	227	0	220	0	222	0	218	0	320	0	320	0	-13	0	-9	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1300	227	0	222	0	227	0	220	0	320	0	320	0	-13	0	-11	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1400	224	0	216	0	220	0	215	0	320	0	320	0	-14	0	-11	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1500	231	0	224	0	227	0	224	0	320	0	320	0	-14	0	-13	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1600	243	0	236	0	240	0	236	0	320	0	320	0	-14	0	-11	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1700	247	0	240	0	243	0	240	0	320	0	320	0	-13	0	-9	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1800	249	0	243	0	245	0	242	0	320	0	320	0	-11	0	-9	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1900	254	0	247	0	249	0	243	0	320	0	320	0	-11	0	-9	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	1	219	0
2000	258	0	251	0	252	0	247	0	320	0	320	0	-11	0	-7	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2100	267	0	260	0	261	0	258	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	1	219	0
2200	269	0	261	0	261	0	256	0	320	0	320	0	-11	0	-7	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2300	265	0	258	0	258	0	252	0	320	0	320	0	-11	0	-7	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2400	265	0	258	0	260	0	254	0	320	0	320	0	-11	0	-9	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	169	0	161	0	213	0	210	0	0	0	0	0	339	0	358	318	332	0	7	298	342	0	358	323	321	0	341	303	0	0	0	0	0	0	0
200	141	0	134	0	193	0	191	0	0	0	0	0	337	0	3	308	331	0	12	286	340	0	358	310	320	0	351	298	0	0	0	0	0	0	0
300	159	0	152	0	205	0	202	0	0	0	0	0	331	0	352	273	323	0	354	250	337	0	348	311	316	0	330	299	0	0	0	0	0	0	0
400	141	0	133	0	195	0	193	0	0	0	0	0	327	0	1	285	318	0	0	283	334	0	353	302	313	0	331	288	0	0	0	0	0	0	0
500	131	0	127	0	165	0	162	0	0	0	0	0	342	0	6	313	332	0	10	284	346	0	3	332	325	0	352	314	0	0	0	0	0	0	0
600	126	0	121	0	168	0	169	0	0	0	0	0	319	0	341	289	311	0	349	265	331	0	348	303	309	0	326	289	0	0	0	0	0	0	0
700	110	0	103	0	146	0	148	0	0	0	0	0	324	0	352	288	317	0	351	262	332	0	11	298	310	0	328	286	0	0	0	0	0	0	0
800	28	0	124	0	148	0	150	0	0	0	0	0	313	0	351	277	305	0	331	277	322	0	349	305	300	0	327	285	0	0	0	0	0	0	0
900	108	0	104	0	133	0	134	0	0	0	0	0	313	0	338	279	306	0	341	263	324	0	345	302	302	0	329	291	0	0	0	0	0	0	0
1000	124	0	119	0	144	0	149	0	0	0	0	0	303	0	322	286	295	0	317	264	311	0	325	295	290	0	305	273	0	0	0	0	0	0	0
1100	135	0	120	0	154	0	159	0	0	0	0	0	299	0	323	276	292	0	334	259	308	0	328	295	287	0	307	276	0	0	0	0	0	0	0
1200	131	0	124	0	153	0	158	0	0	0	0	0	303	0	332	268	295	0	325	253	311	0	325	291	290	0	307	275	0	0	0	0	0	0	0
1300	129	0	122	0	150	0	155	0	0	0	0	0	304	0	324	287	296	0	325	272	311	0	325	295	289	0	302	274	0	0	0	0	0	0	0
1400	125	0	120	0	144	0	149	0	0	0	0	0	305	0	329	281	299	0	338	262	310	0	329	273	289	0	308	263	0	0	0	0	0	0	0
1500	115	0	103	0	130	0	135	0	0	0	0	0	298	0	326	279	293	0	332	269	306	0	324	290	286	0	313	271	0	0	0	0	0	0	0
1600	89	0	84	0	113	0	115	0	0	0	0	0	309	0	341	281	303	0	348	260	322	0	350	290	301	0	332	278	0	0	0	0	0	0	0
1700	57	0	54	0	60	0	62	0	0	0	0	0	333	0	12	279	326	0	17	285	342	0	16	307	322	0	4	295	0	0	0	0	0	0	0
1800	27	0	21	0	29	0	33	0	0	0	0	0	306	0	345	234	305	3	344	240	322	0	0	301	301	0	334	264	0	0	0	0	0	0	0
1900	0	4	14	0	14	0	17	0	0	0	0	0	4	3	68	328	359	3	60	314	326	5	338	315	314	0	345	271	0	0	0	0	0	0	0
2000	26	0	22	0	79	2	23	0	0	0	0	0	158	0	174	141	156	0	175	141	191	0	201	174	137	3	174	2	0	0	0	0	0	0	0
2100	22	0	19	0	50	2	8	0	0	0	0	0	130	0	174	98	131	0	174	99	163	0	163	163	69	3	157	4	0	0	0	0	0	0	0
2200	35	0	33	0	19	0	23	0	0	0	0	0	142	0	149	138	142	0	149	1	163	5	163	163	124	0	140	106	0	0	0	0	0	0	0
2300	51	0	48	0	39	0	43	0	0	0	0	0	154	0	171	138	154	0	175	139	147	0	160	143	134	0	143	127	0	0	0	0	0	0	0
2400	50	0	48	0	31	0	35	0	0	0	0	0	148	0	159	136	148	0	164	137	143	0	151	131	129	0	140	106	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	261	0	252	0	252	0	247	0	320	0	320	0	-11	0	-9	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
200	258	0	249	0	247	0	242	0	320	0	320	0	-9	0	-7	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
300	251	0	243	0	240	0	234	0	320	0	320	0	-11	0	-9	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
400	242	0	234	0	233	0	227	0	320	0	320	0	-11	0	-9	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
500	231	0	224	0	220	0	215	0	320	0	320	0	-11	0	-9	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
600	227	0	220	0	216	0	211	0	320	0	320	0	-11	0	-9	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
700	222	0	215	0	211	0	206	0	320	0	320	0	-11	0	-9	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
800	225	0	218	0	216	0	211	0	320	0	320	0	-11	0	-7	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
900	234	0	227	0	224	0	218	0	320	0	320	0	-13	0	-9	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	220	0
1000	242	0	236	0	229	0	220	0	320	0	320	0	-16	0	-14	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	219	6
1100	245	0	238	0	225	0	220	0	320	0	320	0	-20	0	-18	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1200	252	0	247	0	233	0	225	0	320	0	320	0	-20	0	-18	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1300	252	0	245	0	227	0	222	0	320	0	320	0	-23	0	-22	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1400	258	0	251	0	231	0	225	0	320	0	320	0	-27	0	-25	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1500	260	0	252	0	231	0	227	0	320	0	320	0	-29	0	-25	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1600	265	0	258	0	240	0	234	0	320	0	320	0	-25	0	-22	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1700	265	0	258	0	249	0	245	0	320	0	320	0	-14	0	-11	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1800	260	0	251	0	242	0	236	0	320	0	320	0	-16	0	-13	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1900	213	0	206	0	207	0	202	0	320	0	320	0	-4	0	2	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2000	229	0	218	0	211	0	206	0	320	0	320	0	-16	0	-11	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2100	229	0	220	0	215	0	207	0	320	0	320	0	-13	0	-11	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2200	224	0	215	0	224	0	216	0	320	0	320	0	0	0	4	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2300	216	0	207	0	229	0	224	0	320	0	320	0	14	0	18	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
2400	216	0	209	0	231	0	225	0	320	0	320	0	16	0	18	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S		WIND DIR5	MIN	MAX S		WIND DIR6		
100	57	0	54	0	36	0	40	0	0	0	0	0	164	0	171	143	168	0	180	148	153	0	159	148	139	0	150	176	0	0	0	0	0	0	0
200	51	0	47	0	22	0	26	0	0	0	0	0	165	0	173	155	163	0	181	146	150	0	151	148	130	0	149	119	0	0	0	0	0	0	0
300	32	0	29	0	7	0	10	0	0	0	0	0	171	0	183	157	170	0	192	152	139	5	139	139	106	3	139	52	0	0	0	0	0	0	0
400	15	0	11	0	10	0	13	0	0	0	0	0	202	0	253	168	200	0	251	165	201	5	111	307	287	0	328	237	0	0	0	0	0	0	0
500	0	4	10	0	28	0	32	0	0	0	0	0	275	0	326	200	275	3	335	190	313	0	317	307	299	0	300	286	0	0	0	0	0	0	0
600	49	0	45	0	52	0	56	0	0	0	0	0	249	0	254	232	240	0	259	222	271	0	303	255	253	0	291	239	0	0	0	0	0	0	0
700	108	0	102	0	154	0	152	0	0	0	0	0	335	0	10	296	327	0	21	279	340	0	2	313	319	0	340	299	0	0	0	0	0	0	0
800	62	0	64	0	75	0	85	0	0	0	0	0	70	0	94	42	66	0	99	34	68	0	87	43	50	0	71	27	0	0	0	0	0	0	0
900	61	0	60	0	60	0	62	0	0	0	0	0	80	0	107	51	76	0	102	44	85	0	107	62	69	0	94	45	0	0	0	0	0	0	0
1000	41	0	40	0	35	0	44	0	0	0	0	0	77	0	98	49	73	0	101	37	74	0	101	32	55	0	86	13	0	0	0	0	0	0	0
1100	54	0	51	0	63	0	66	0	0	0	0	0	1	0	178	286	356	0	91	290	4	0	55	321	344	0	61	271	0	0	0	0	0	0	0
1200	115	0	106	0	138	0	135	0	0	0	0	0	342	0	14	307	335	0	36	282	351	0	15	325	330	0	359	303	0	0	0	0	0	0	0
1300	109	0	99	0	137	0	133	0	0	0	0	0	340	0	16	302	334	0	81	287	350	0	59	317	328	0	16	285	0	0	0	0	0	0	0
1400	105	0	0	2	163	0	0	2	0	2	0	2	347	0	329	358	0	2	0	0	354	0	331	24	0	2	0	0	0	2	0	0	0	0	2
1500	117	0	0	2	163	0	0	2	0	2	0	2	349	0	327	358	0	2	0	0	343	0	329	358	0	2	0	0	0	2	0	0	0	0	2
1600	113	0	0	2	165	0	0	2	0	2	0	2	333	0	322	344	0	2	0	0	338	0	325	353	0	2	0	0	0	2	0	0	0	0	2
1700	109	0	0	2	165	0	0	2	0	2	0	2	340	0	326	352	0	2	0	0	325	0	305	345	0	2	0	0	0	2	0	0	0	0	2
1800	90	0	0	2	159	0	0	2	0	2	0	2	344	0	333	8	0	2	0	0	335	0	322	351	0	2	0	0	0	2	0	0	0	0	2
1900	90	0	0	2	146	0	0	2	0	2	0	2	23	0	10	38	0	2	0	0	344	0	325	1	0	2	0	0	0	2	0	0	0	0	2
2000	94	0	0	2	142	0	0	2	0	2	0	2	30	0	18	43	0	2	0	0	358	0	339	21	0	2	0	0	0	2	0	0	0	0	2
2100	88	0	0	2	132	0	0	2	0	2	0	2	28	0	15	39	0	2	0	0	11	0	350	37	0	2	0	0	0	2	0	0	0	0	2
2200	88	0	0	2	134	0	0	2	0	2	0	2	42	0	24	52	0	2	0	0	9	0	349	32	0	2	0	0	0	2	0	0	0	0	2
2300	77	0	0	2	134	0	0	2	0	2	0	2	44	0	28	52	0	2	0	0	14	0	352	37	0	2	0	0	0	2	0	0	0	0	2
2400	50	0	0	2	111	0	0	2	0	2	0	2	66	0	57	73	0	2	0	0	33	0	14	45	0	2	0	0	0	2	0	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	216	0	207	0	233	0	227	0	320	0	320	0	18	0	20	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
200	224	0	216	0	229	0	222	0	320	0	320	0	5	0	7	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
300	231	0	224	0	216	0	209	0	320	0	320	0	-14	0	-13	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
400	224	0	215	0	197	0	191	0	320	0	320	0	-27	0	-22	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
500	204	0	195	0	222	0	218	0	320	0	320	0	20	0	23	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
600	236	0	229	0	233	0	229	0	320	0	320	0	2	0	2	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
700	270	0	263	0	263	0	258	0	320	0	320	0	-5	0	-4	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
800	225	0	220	0	224	0	209	0	320	0	320	0	-11	0	-9	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
900	231	0	225	0	218	0	211	0	320	0	320	0	-13	0	-11	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1000	260	0	258	0	243	0	236	0	320	0	320	0	-16	0	18	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1100	278	0	274	0	263	0	260	0	320	0	320	0	-14	0	-13	0	0	0	0	0	354	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1200	270	0	263	0	263	0	258	0	320	0	320	0	-7	0	-4	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1300	269	0	263	0	254	0	249	0	320	0	320	0	-14	0	-13	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1400	254	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	251	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	251	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	258	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	258	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	241	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	231	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	248	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	248	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	227	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	217	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	44	0	0	2	96	0	0	2	0	2	0	2	105	0	92	109	0	2	0	0	44	0	36	59	0	2	0	0	0	2	0	0	0	2
200	43	0	0	2	82	0	0	2	0	2	0	2	116	0	110	122	0	2	0	0	81	0	75	92	0	2	0	0	0	2	0	0	0	2
300	48	0	0	2	84	0	0	2	0	2	0	2	149	0	137	152	0	2	0	0	86	0	79	95	0	2	0	0	0	2	0	0	0	2
400	46	0	0	2	75	0	0	2	0	2	0	2	155	0	146	164	0	2	0	0	117	0	113	127	0	2	0	0	0	2	0	0	0	2
500	57	0	0	2	75	0	0	2	0	2	0	2	189	0	167	197	0	2	0	0	126	0	120	132	0	2	0	0	0	2	0	0	0	2
600	57	0	0	2	75	0	0	2	0	2	0	2	180	0	165	197	0	2	0	0	137	0	133	151	0	2	0	0	0	2	0	0	0	2
700	61	0	0	2	84	0	0	2	0	2	0	2	190	0	170	203	0	2	0	0	147	0	137	154	0	2	0	0	0	2	0	0	0	2
800	50	0	0	2	98	0	0	2	0	2	0	2	132	0	111	146	0	2	0	0	178	0	170	182	0	2	0	0	0	2	0	0	0	2
900	48	0	0	2	86	0	0	2	0	2	0	2	182	0	165	201	0	2	0	0	169	0	151	182	0	2	0	0	0	2	0	0	0	2
1000	48	0	0	2	71	0	0	2	0	2	0	2	149	0	129	163	0	2	0	0	177	0	161	192	0	2	0	0	0	2	0	0	0	2
1100	40	0	0	2	69	0	0	2	0	2	0	2	309	0	268	338	0	2	0	0	158	0	131	172	0	2	0	0	0	2	0	0	0	2
1200	69	0	0	2	46	0	0	2	0	2	0	2	253	0	239	269	0	2	0	0	176	0	149	204	0	2	0	0	0	2	0	0	0	2
1300	90	0	0	2	86	0	0	2	0	2	0	2	251	0	231	266	0	2	0	0	245	0	227	257	0	2	0	0	0	2	0	0	0	2
1400	71	0	0	2	123	0	0	2	0	2	0	2	278	0	258	294	0	2	0	0	253	0	231	270	0	2	0	0	0	2	0	0	0	2
1500	77	0	0	2	105	0	0	2	0	2	0	2	269	0	255	289	0	2	0	0	280	0	252	297	0	2	0	0	0	2	0	0	0	2
1600	46	0	0	2	92	0	0	2	0	2	0	2	296	0	275	311	0	2	0	0	263	0	236	282	0	2	0	0	0	2	0	0	0	2
1700	32	0	0	2	61	0	0	2	0	2	0	2	316	0	297	338	0	2	0	0	315	0	299	333	0	2	0	0	0	2	0	0	0	2
1800	19	0	0	2	40	0	0	2	0	2	0	2	20	0	352	24	0	2	0	0	333	0	327	347	0	2	0	0	0	2	0	0	0	2
1900	32	0	0	2	15	0	0	2	0	2	0	2	70	0	64	74	0	2	0	0	344	5	338	350	0	2	0	0	0	2	0	0	0	2
2000	32	0	0	2	32	0	0	2	0	2	0	2	90	0	83	95	0	2	0	0	73	5	66	80	0	2	0	0	0	2	0	0	0	2
2100	46	0	0	2	44	0	0	2	0	2	0	2	106	0	98	115	0	2	0	0	84	5	81	91	0	2	0	0	0	2	0	0	0	2
2200	55	0	0	2	73	0	0	2	0	2	0	2	170	0	155	183	0	2	0	0	108	0	100	114	0	2	0	0	0	2	0	0	0	2
2300	50	0	0	2	111	0	0	2	0	2	0	2	160	0	141	171	0	2	0	0	143	0	135	151	0	2	0	0	0	2	0	0	0	2
2400	63	0	0	2	123	0	0	2	0	2	0	2	143	0	125	149	0	2	0	0	172	0	161	181	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	200	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	183	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	200	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	200	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	200	0	0	2	0	2	0	2	0	2	0	2	6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	183	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	200	0	0	2	0	2	0	2	0	2	0	2	30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	156	0	0	2	0	2	0	2	0	2	0	2	30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	210	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	254	0	0	2	0	2	0	2	0	2	0	2	-36	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	292	0	0	2	0	2	0	2	0	2	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	268	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	288	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	302	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	309	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	319	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	309	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	295	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	265	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	258	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	265	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	258	0	0	2	0	2	0	2	0	2	0	2	15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	241	0	0	2	0	2	0	2	0	2	0	2	26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	241	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	65	0	0	2	125	0	0	2	0	2	0	2	134	0	125	143	0	2	0	0	141	0	135	152	0	2	0	0	0	2	0	2
200	59	0	0	2	140	0	0	2	0	2	0	2	140	0	128	156	0	2	0	0	140	0	131	146	0	2	0	0	0	2	0	2
300	57	0	0	2	132	0	0	2	0	2	0	2	125	0	111	132	0	2	0	0	154	0	140	160	0	2	0	0	0	2	0	2
400	63	0	0	2	115	0	0	2	0	2	0	2	123	0	116	131	0	2	0	0	134	0	125	143	0	2	0	0	0	2	0	2
500	77	0	0	2	109	0	0	2	0	2	0	2	135	0	123	144	0	2	0	0	137	0	125	142	0	2	0	0	0	2	0	2
600	88	0	0	2	138	0	0	2	0	2	0	2	132	0	127	142	0	2	0	0	149	0	138	158	0	2	0	0	0	2	0	2
700	113	0	0	2	175	0	0	2	0	2	0	2	125	0	118	131	0	2	0	0	145	0	135	150	0	2	0	0	0	2	0	2
800	121	0	0	2	169	0	0	2	0	2	0	2	129	0	118	135	0	2	0	0	132	0	119	138	0	2	0	0	0	2	0	2
900	146	0	0	2	169	0	0	2	0	2	0	2	127	0	115	138	0	2	0	0	127	0	107	138	0	2	0	0	0	2	0	2
1000	169	0	0	2	200	0	0	2	0	2	0	2	133	0	120	145	0	2	0	0	141	0	129	159	0	2	0	0	0	2	0	2
1100	157	0	0	2	234	0	0	2	0	2	0	2	132	0	117	142	0	2	0	0	136	0	119	143	0	2	0	0	0	2	0	2
1200	199	0	0	2	211	0	0	2	0	2	0	2	128	0	117	142	0	2	0	0	132	0	117	147	0	2	0	0	0	2	0	2
1300	150	0	0	2	196	0	0	2	0	2	0	2	126	0	117	140	0	2	0	0	127	0	115	139	0	2	0	0	0	2	0	2
1400	169	0	0	2	209	0	0	2	0	2	0	2	128	0	116	149	0	2	0	0	123	0	109	142	0	2	0	0	0	2	0	2
1500	175	0	0	2	205	0	0	2	0	2	0	2	133	0	122	146	0	2	0	0	123	0	113	136	0	2	0	0	0	2	0	2
1600	199	0	0	2	188	0	0	2	0	2	0	2	129	0	113	137	0	2	0	0	127	0	109	138	0	2	0	0	0	2	0	2
1700	186	0	0	2	248	0	0	2	0	2	0	2	122	0	105	137	0	2	0	0	122	0	105	135	0	2	0	0	0	2	0	2
1800	192	0	0	2	238	0	0	2	0	2	0	2	126	0	113	137	0	2	0	0	114	0	97	128	0	2	0	0	0	2	0	2
1900	177	0	0	2	232	0	0	2	0	2	0	2	128	0	119	137	0	2	0	0	132	0	111	145	0	2	0	0	0	2	0	2
2000	189	0	0	2	215	0	0	2	0	2	0	2	128	0	117	142	0	2	0	0	137	0	120	154	0	2	0	0	0	2	0	2
2100	152	0	0	2	217	0	0	2	0	2	0	2	129	0	117	133	0	2	0	0	132	0	116	145	0	2	0	0	0	2	0	2
2200	146	0	0	2	196	0	0	2	0	2	0	2	127	0	118	144	0	2	0	0	129	0	118	145	0	2	0	0	0	2	0	2
2300	113	0	0	2	188	0	0	2	0	2	0	2	135	0	118	149	0	2	0	0	129	0	125	147	0	2	0	0	0	2	0	2
2400	92	0	0	2	171	0	0	2	0	2	0	2	138	0	124	155	0	2	0	0	138	0	120	151	0	2	0	0	0	2	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	241	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	207	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	219	0	0	2	0	2	0	2	0	2	0	2	6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	197	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	203	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	193	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	207	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	227	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	258	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	271	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	288	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	271	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	285	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	302	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	302	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	292	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	292	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	292	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	282	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	282	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	251	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	275	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	282	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	278	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	77	0	0	2	119	0	0	2	0	2	0	2	151	0	133	169	0	2	0	0	150	0	135	161	0	2	0	0	0	2	0	0	1	2
200	55	0	0	2	111	0	0	2	0	2	0	2	169	0	149	181	0	2	0	0	160	0	149	176	0	2	0	0	0	2	0	0	0	2
300	61	0	0	2	92	0	0	2	0	2	0	2	210	0	183	231	0	2	0	0	191	0	172	208	0	2	0	0	0	2	0	0	0	2
400	127	0	0	2	161	0	0	2	0	2	0	2	260	0	249	273	0	2	0	0	253	0	249	266	0	2	0	0	0	2	0	0	0	2
500	121	0	0	2	149	0	0	2	0	2	0	2	267	0	252	279	0	2	0	0	259	0	242	266	0	2	0	0	0	2	0	0	0	2
600	117	0	0	2	169	0	0	2	0	2	0	2	264	0	243	270	0	2	0	0	255	0	241	271	0	2	0	0	0	2	0	0	1	2
700	132	0	0	2	190	0	0	2	0	2	0	2	261	0	242	269	0	2	0	0	251	0	242	259	0	2	0	0	0	2	0	0	1	2
800	221	0	0	2	271	0	0	2	0	2	0	2	268	0	249	279	0	2	0	0	270	0	262	288	0	2	0	0	0	2	0	0	0	2
900	194	0	0	2	305	0	0	2	0	2	0	2	262	0	251	276	0	2	0	0	246	0	231	270	0	2	0	0	0	2	0	0	1	2
1000	202	0	0	2	261	0	0	2	0	2	0	2	270	0	259	281	0	2	0	0	259	0	249	272	0	2	0	0	0	2	0	0	0	2
1100	223	0	0	2	317	0	0	2	0	2	0	2	263	0	253	276	0	2	0	0	255	0	242	272	0	2	0	0	0	2	0	0	0	2
1200	234	0	0	2	311	0	0	2	0	2	0	2	270	0	251	279	0	2	0	0	257	0	245	273	0	2	0	0	0	2	0	0	0	2
1300	292	0	0	2	321	0	0	2	0	2	0	2	271	0	262	282	0	2	0	0	270	0	260	280	0	2	0	0	0	2	0	0	0	2
1400	259	0	0	2	292	0	0	2	0	2	0	2	275	0	269	288	0	2	0	0	272	0	249	309	0	2	0	0	0	2	0	0	0	2
1500	223	0	0	2	252	0	0	2	0	2	0	2	289	0	269	296	0	2	0	0	280	0	241	316	0	2	0	0	0	2	0	0	0	2
1600	198	0	0	2	249	0	0	2	0	2	0	2	281	0	261	293	0	2	0	0	273	0	236	309	0	2	0	0	0	2	0	0	0	2
1700	196	0	0	2	242	0	0	2	0	2	0	2	275	0	254	288	0	2	0	0	276	0	233	317	0	2	0	0	0	2	0	0	1	2
1800	199	0	0	2	219	0	0	2	0	2	0	2	285	0	262	300	0	2	0	0	276	0	240	322	0	2	0	0	0	2	0	0	0	2
1900	189	0	0	2	225	0	0	2	0	2	0	2	289	0	269	291	0	2	0	0	279	0	239	332	0	2	0	0	0	2	0	0	0	2
2000	200	0	0	2	217	0	0	2	0	2	0	2	293	0	281	304	0	2	0	0	289	0	239	330	0	2	0	0	0	2	0	0	0	2
2100	211	0	0	2	236	0	0	2	0	2	0	2	296	0	289	305	0	2	0	0	285	0	255	316	0	2	0	0	0	2	0	0	0	2
2200	209	0	0	2	249	0	0	2	0	2	0	2	300	0	282	308	0	2	0	0	290	0	257	327	0	2	0	0	0	2	0	0	0	2
2300	199	0	0	2	248	0	0	2	0	2	0	2	295	0	287	308	0	2	0	0	299	0	285	312	0	2	0	0	0	2	0	0	0	2
2400	196	0	0	2	227	0	0	2	0	2	0	2	298	0	289	314	0	2	0	0	307	0	294	315	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	288	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	292	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	295	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	312	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	322	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	322	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	336	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	312	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	292	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	285	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	292	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	292	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	292	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	302	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	305	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	309	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	316	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	329	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	326	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	288	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	309	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	302	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	302	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	295	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	182	0	0	2	244	0	0	2	0	2	0	2	302	0	289	315	0	2	0	0	305	0	295	312	0	2	0	0	0	2	0	0	0	2
200	194	0	0	2	232	0	0	2	0	2	0	2	305	0	293	313	0	2	0	0	307	0	297	314	0	2	0	0	0	2	0	0	0	2
300	186	0	0	2	240	0	0	2	0	2	0	2	304	0	294	311	0	2	0	0	303	0	289	314	0	2	0	0	0	2	0	0	0	2
400	165	0	0	2	236	0	0	2	0	2	0	2	307	0	294	317	0	2	0	0	307	0	300	323	0	2	0	0	0	2	0	0	0	2
500	165	0	0	2	205	0	0	2	0	2	0	2	311	0	295	334	0	2	0	0	303	0	294	314	0	2	0	0	0	2	0	0	0	2
600	175	0	0	2	217	0	0	2	0	2	0	2	303	0	294	320	0	2	0	0	306	0	295	315	0	2	0	0	0	2	0	0	0	2
700	150	0	0	2	202	0	0	2	0	2	0	2	308	0	295	318	0	2	0	0	306	0	294	314	0	2	0	0	0	2	0	0	0	2
800	150	0	0	2	209	0	0	2	0	2	0	2	308	0	294	315	0	2	0	0	306	0	294	316	0	2	0	0	0	2	0	0	0	2
900	159	0	0	2	207	0	0	2	0	2	0	2	296	0	284	312	0	2	0	0	297	0	278	308	0	2	0	0	0	2	0	0	0	2
1000	167	0	0	2	161	0	0	2	0	2	0	2	300	0	288	318	0	2	0	0	300	0	272	322	0	2	0	0	0	2	0	0	0	2
1100	121	0	0	2	159	0	0	2	0	2	0	2	33	0	17	48	0	2	0	0	19	0	350	53	0	2	0	0	0	2	0	0	0	2
1200	146	0	0	2	180	0	0	2	0	2	0	2	30	0	11	50	0	2	0	0	16	0	338	41	0	2	0	0	0	2	0	0	0	2
1300	127	0	0	2	186	0	0	2	0	2	0	2	24	0	2	41	0	2	0	0	3	0	330	39	0	2	0	0	0	2	0	0	0	2
1400	117	0	0	2	186	0	0	2	0	2	0	2	8	0	347	30	0	2	0	0	359	0	327	36	0	2	0	0	0	2	0	0	0	2
1500	115	0	0	2	175	0	0	2	0	2	0	2	12	0	349	29	0	2	0	0	352	0	317	38	0	2	0	0	0	2	0	0	0	2
1600	0	2	0	2	171	0	0	2	0	2	0	2	16	0	349	33	0	2	0	0	0	0	312	43	0	2	0	0	0	2	0	0	0	2
1700	96	0	0	2	148	0	0	2	0	2	0	2	359	0	341	20	0	2	0	0	357	0	322	35	0	2	0	0	0	2	0	0	0	2
1800	100	0	0	2	150	0	0	2	0	2	0	2	16	0	358	34	0	2	0	0	7	0	322	48	0	2	0	0	0	2	0	0	0	2
1900	100	0	0	2	161	0	0	2	0	2	0	2	10	0	347	21	0	2	0	0	3	0	323	37	0	2	0	0	0	2	0	0	0	2
2000	127	0	0	2	173	0	0	2	0	2	0	2	347	0	335	7	0	2	0	0	354	0	323	28	0	2	0	0	0	2	0	0	0	2
2100	105	0	0	2	155	0	0	2	0	2	0	2	8	0	347	27	0	2	0	0	10	0	333	33	0	2	0	0	0	2	0	0	0	2
2200	100	0	0	2	142	0	0	2	0	2	0	2	14	0	354	27	0	2	0	0	6	0	334	36	0	2	0	0	0	2	0	0	0	2
2300	75	0	0	2	115	0	0	2	0	2	0	2	12	0	348	33	0	2	0	0	1	0	332	28	0	2	0	0	0	2	0	0	0	2
2400	71	0	0	2	102	0	0	2	0	2	0	2	73	0	59	84	0	2	0	0	78	0	60	96	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PAIN	S
100	299	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	299	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	299	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	292	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	292	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	275	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	258	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	254	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	254	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	254	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	254	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	237	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	227	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	227	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	217	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	183	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	186	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	186	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	176	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	163	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	173	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	163	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	173	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	146	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	88	0	0	2	98	0	0	2	0	2	0	2	106	0	88	120	0	2	0	0	95	0	79	113	0	2	0	0	0	2	0	0	0	2
200	73	0	0	2	98	0	0	2	0	2	0	2	102	0	83	119	0	2	0	0	102	0	90	119	0	2	0	0	0	2	0	0	0	2
300	71	0	0	2	105	0	0	2	0	2	0	2	113	0	102	129	0	2	0	0	113	0	99	125	0	2	0	0	0	2	0	0	0	2
400	77	0	0	2	105	0	0	2	0	2	0	2	119	0	102	129	0	2	0	0	129	0	119	135	0	2	0	0	0	2	0	0	0	2
500	52	0	0	2	102	0	0	2	0	2	0	2	131	0	118	150	0	2	0	0	133	0	120	149	0	2	0	0	0	2	0	0	0	2
600	71	0	0	2	109	0	0	2	0	2	0	2	132	0	129	149	0	2	0	0	135	0	122	145	0	2	0	0	0	2	0	0	0	2
700	75	0	0	2	109	0	0	2	0	2	0	2	139	0	132	153	0	2	0	0	139	0	119	143	0	2	0	0	0	2	0	0	0	2
800	73	0	0	2	102	0	0	2	0	2	0	2	127	0	118	141	0	2	0	0	125	0	107	145	0	2	0	0	0	2	0	0	0	2
900	84	0	0	2	111	0	0	2	0	2	0	2	126	0	119	135	0	2	0	0	113	0	98	129	0	2	0	0	0	2	0	0	0	2
1000	86	0	0	2	123	0	0	2	0	2	0	2	128	0	118	141	0	2	0	0	110	0	98	133	0	2	0	0	0	2	0	0	0	2
1100	99	0	0	2	111	0	0	2	0	2	0	2	125	0	113	140	0	2	0	0	123	0	101	138	0	2	0	0	0	2	0	0	0	2
1200	80	0	0	2	100	0	0	2	0	2	0	2	123	0	106	149	0	2	0	0	126	0	109	147	0	2	0	0	0	2	0	0	0	2
1300	71	0	0	2	99	0	0	2	0	2	0	2	119	0	100	143	0	2	0	0	110	0	91	135	0	2	0	0	0	2	0	0	0	2
1400	52	0	0	2	65	0	0	2	0	2	0	2	125	0	110	143	0	2	0	0	122	0	105	140	0	2	0	0	0	2	0	0	0	2
1500	48	0	0	2	65	0	0	2	0	2	0	2	117	0	97	133	0	2	0	0	106	0	87	136	0	2	0	0	0	2	0	0	0	2
1600	46	0	0	2	77	0	0	2	0	2	0	2	122	0	100	132	0	2	0	0	119	0	89	133	0	2	0	0	0	2	0	0	0	2
1700	57	0	0	2	77	0	0	2	0	2	0	2	105	0	80	118	0	2	0	0	115	0	95	133	0	2	0	0	0	2	0	0	0	2
1800	59	0	0	2	80	0	0	2	0	2	0	2	140	0	125	154	0	2	0	0	129	0	110	136	0	2	0	0	0	2	0	0	0	2
1900	61	0	0	2	96	0	0	2	0	2	0	2	138	0	125	149	0	2	0	0	143	0	127	162	0	2	0	0	0	2	0	0	0	2
2000	65	0	0	2	96	0	0	2	0	2	0	2	133	0	120	140	0	2	0	0	138	0	122	149	0	2	0	0	0	2	0	0	0	2
2100	65	0	0	2	102	0	0	2	0	2	0	2	125	0	111	129	0	2	0	0	122	0	113	129	0	2	0	0	0	2	0	0	0	2
2200	65	0	0	2	96	0	0	2	0	2	0	2	118	0	108	129	0	2	0	0	108	0	100	119	0	2	0	0	0	2	0	0	0	2
2300	69	0	0	2	119	0	0	2	0	2	0	2	88	0	78	99	0	2	0	0	86	0	69	98	0	2	0	0	0	2	0	0	0	2
2400	105	0	0	2	157	0	0	2	0	2	0	2	102	0	89	118	0	2	0	0	100	0	81	120	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	142	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	132	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	108	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	88	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	88	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	88	0	0	2	0	2	0	2	0	2	0	2	6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	105	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	98	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	115	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	135	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	118	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	159	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	169	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	173	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	190	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	190	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	193	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	203	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	183	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	173	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	149	0	0	2	0	2	0	2	0	2	0	2	6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	163	0	0	2	0	2	0	2	0	2	0	2	8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	146	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	156	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX S	WIND DIR2	S	MIN 150A	MAX S	WIND DIR3	MIN 150B	MAX S	WIND DIR4	S	MIN	MAX S	WIND DIR5	S	MIN	MAX S	WIND DIR6	S
100	105	0	0	2	130	0	0	2	0	2	0	2	109	0	90	115	0	2	0	0	107	0	75	126	0	2	0	0	0	2	0	2
200	105	0	0	2	157	0	0	2	0	2	0	2	106	0	93	120	0	2	0	0	105	0	86	127	0	2	0	0	0	2	0	2
300	142	0	0	2	200	0	0	2	0	2	0	2	119	0	99	129	0	2	0	0	106	0	89	123	0	2	0	0	0	2	0	2
400	152	0	0	2	202	0	0	2	0	2	0	2	107	0	101	120	0	2	0	0	109	0	89	128	0	2	0	0	0	2	0	2
500	146	0	0	2	211	0	0	2	0	2	0	2	102	0	93	111	0	2	0	0	95	0	79	123	0	2	0	0	0	2	0	2
600	169	0	0	2	205	0	0	2	0	2	0	2	92	0	77	108	0	2	0	0	83	0	63	113	0	2	0	0	0	2	0	2
700	180	0	0	2	234	0	0	2	0	2	0	2	83	0	74	97	0	2	0	0	87	0	63	109	0	2	0	0	0	2	0	2
800	171	0	0	2	211	0	0	2	0	2	0	2	80	0	70	93	0	2	0	0	82	0	60	109	0	2	0	0	0	2	0	2
900	155	0	0	2	177	0	0	2	0	2	0	2	79	0	66	89	0	2	0	0	73	0	53	90	0	2	0	0	0	2	0	2
1000	117	0	0	2	157	0	0	2	0	2	0	2	66	0	50	80	0	2	0	0	69	0	43	82	0	2	0	0	0	2	0	2
1100	136	0	0	2	167	0	0	2	0	2	0	2	63	0	47	82	0	2	0	0	50	0	32	78	0	2	0	0	0	2	0	2
1200	132	0	0	2	163	0	0	2	0	2	0	2	52	0	36	69	0	2	0	0	52	0	32	75	0	2	0	0	0	2	0	2
1300	115	0	0	2	163	0	0	2	0	2	0	2	45	0	26	62	0	2	0	0	39	0	17	62	0	2	0	0	0	2	0	2
1400	146	0	0	2	163	0	0	2	0	2	0	2	32	0	11	45	0	2	0	0	20	0	0	39	0	2	0	0	0	2	0	2
1500	139	0	0	2	192	0	0	2	0	2	0	2	29	0	11	50	0	2	0	0	19	0	348	41	0	2	0	0	0	2	0	2
1600	127	0	0	2	186	0	0	2	0	2	0	2	39	0	23	52	0	2	0	0	17	0	350	38	0	2	0	0	0	2	0	2
1700	117	0	0	2	146	0	0	2	0	2	0	2	30	0	12	51	0	2	0	0	17	0	351	36	0	2	0	0	0	2	0	2
1800	96	0	0	2	150	0	0	2	0	2	0	2	38	0	21	59	0	2	0	0	19	0	343	39	0	2	0	0	0	2	0	2
1900	98	0	0	2	138	0	0	2	0	2	0	2	42	0	26	60	0	2	0	0	23	0	359	48	0	2	0	0	0	2	0	2
2000	105	0	0	2	138	0	0	2	0	2	0	2	7	0	345	35	0	2	0	0	5	0	336	30	0	2	0	0	0	2	0	2
2100	88	0	0	2	127	0	0	2	0	2	0	2	10	0	350	30	0	2	0	0	0	0	333	29	0	2	0	0	0	2	0	2
2200	100	0	0	2	109	0	0	2	0	2	0	2	3	0	343	29	0	2	0	0	16	0	2	36	0	2	0	0	0	2	0	2
2300	48	0	0	2	71	0	0	2	0	2	0	2	81	0	46	98	0	2	0	0	69	0	43	89	0	2	0	0	0	2	0	2
2400	36	0	0	2	61	0	0	2	0	2	0	2	139	0	115	149	0	2	0	0	136	0	119	151	0	2	0	0	0	2	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	142	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	159	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	159	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	146	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	132	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	129	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	118	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	105	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	112	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	129	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	118	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	135	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	139	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	169	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	190	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
16000	173	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	186	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	193	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	183	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	197	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	197	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	197	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	193	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	193	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	34	0	0	2	61	0	0	2	0	2	0	2	137	0	126	152	0	2	0	0	152	0	149	165	0	2	0	0	0	2	0	0	0	2
200	40	0	0	2	90	0	0	2	0	2	0	2	159	0	140	176	0	2	0	0	155	0	150	173	0	2	0	0	0	2	0	0	0	2
300	50	0	0	2	92	0	0	2	0	2	0	2	132	0	110	142	0	2	0	0	156	0	142	163	0	2	0	0	0	2	0	0	0	2
400	50	0	0	2	88	0	0	2	0	2	0	2	104	0	88	116	0	2	0	0	126	0	113	137	0	2	0	0	0	2	0	0	0	2
500	55	0	0	2	90	0	0	2	0	2	0	2	131	0	120	145	0	2	0	0	149	0	129	160	0	2	0	0	0	2	0	0	0	2
600	46	0	0	2	75	0	0	2	0	2	0	2	135	0	124	143	0	2	0	0	155	0	149	167	0	2	0	0	0	2	0	0	0	2
700	48	0	0	2	77	0	0	2	0	2	0	2	123	0	111	129	0	2	0	0	143	0	132	154	0	2	0	0	0	2	0	0	0	2
800	65	0	0	2	98	0	0	2	0	2	0	2	120	0	105	129	0	2	0	0	139	0	127	151	0	2	0	0	0	2	0	0	0	2
900	42	0	0	2	48	0	0	2	0	2	0	2	147	0	132	156	0	2	0	0	156	0	145	174	0	2	0	0	0	2	0	0	0	2
1000	48	0	0	2	59	0	0	2	0	2	0	2	151	0	133	164	0	2	0	0	173	0	163	189	0	2	0	0	0	2	0	0	0	2
1100	52	0	0	2	73	0	0	2	0	2	0	2	241	0	226	260	0	2	0	0	250	0	227	269	0	2	0	0	0	2	0	0	0	2
1200	57	0	0	2	86	0	0	2	0	2	0	2	245	0	235	262	0	2	0	0	257	0	236	272	0	2	0	0	0	2	0	0	0	2
1300	105	0	0	2	134	0	0	2	0	2	0	2	285	0	263	305	0	2	0	0	278	0	261	305	0	2	0	0	0	2	0	0	0	2
1400	98	0	0	2	127	0	0	2	0	2	0	2	276	0	260	287	0	2	0	0	279	0	260	304	0	2	0	0	0	2	0	0	0	2
1500	96	0	0	2	117	0	0	2	0	2	0	2	275	0	261	290	0	2	0	0	272	0	240	318	0	2	0	0	0	2	0	0	0	2
1600	119	0	0	2	148	0	0	2	0	2	0	2	271	0	254	282	0	2	0	0	279	0	248	308	0	2	0	0	0	2	0	0	0	2
1700	77	0	0	2	115	0	0	2	0	2	0	2	271	0	260	290	0	2	0	0	277	0	254	297	0	2	0	0	0	2	0	0	0	2
1800	111	0	0	2	140	0	0	2	0	2	0	2	266	0	255	277	0	2	0	0	269	0	262	285	0	2	0	0	0	2	0	0	0	2
1900	159	0	0	2	217	0	0	2	0	2	0	2	255	0	239	263	0	2	0	0	268	0	257	281	0	2	0	0	0	2	0	0	0	2
2000	177	0	0	2	205	0	0	2	0	2	0	2	269	0	250	279	0	2	0	0	267	0	250	290	0	2	0	0	0	2	0	0	0	2
2100	186	0	0	2	192	0	0	2	0	2	0	2	268	0	254	279	0	2	0	0	271	0	250	288	0	2	0	0	0	2	0	0	0	2
2200	169	0	0	2	207	0	0	2	0	2	0	2	267	0	251	280	0	2	0	0	268	0	254	288	0	2	0	0	0	2	0	0	0	2
2300	121	0	0	2	167	0	0	2	0	2	0	2	279	0	257	290	0	2	0	0	278	0	257	297	0	2	0	0	0	2	0	0	0	2
2400	119	0	0	2	146	0	0	2	0	2	0	2	270	0	255	282	0	2	0	0	289	0	264	306	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	132	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	132	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	122	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	108	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	91	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	98	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	98	0	0	2	0	2	0	2	0	2	0	2	8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	95	0	0	2	0	2	0	2	0	2	0	2	26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	163	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	214	0	0	2	0	2	0	2	0	2	0	2	-44	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	203	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	200	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	214	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	224	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	217	0	0	2	0	2	0	2	0	2	0	2	-26	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	210	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	207	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	200	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	214	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	203	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	239	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	224	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	217	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	227	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	134	0	0	2	155	0	0	2	0	2	0	2	289	0	280	307	0	2	0	0	290	0	270	306	0	2	0	0	0	2	0	0	0	2
200	134	0	0	2	155	0	0	2	0	2	0	2	295	0	275	312	0	2	0	0	295	0	284	311	0	2	0	0	0	2	0	0	0	2
300	132	0	0	2	152	0	0	2	0	2	0	2	299	0	282	316	0	2	0	0	297	0	272	316	0	2	0	0	0	2	0	0	0	2
400	105	0	0	2	144	0	0	2	0	2	0	2	294	0	280	313	0	2	0	0	291	0	262	311	0	2	0	0	0	2	0	0	0	2
500	100	0	0	2	123	0	0	2	0	2	0	2	285	0	264	295	0	2	0	0	288	0	252	317	0	2	0	0	0	2	0	0	0	2
600	94	0	0	2	132	0	0	2	0	2	0	2	264	0	244	276	0	2	0	0	266	0	243	282	0	2	0	0	0	2	0	0	0	2
700	109	0	0	2	113	0	0	2	0	2	0	2	279	0	258	289	0	2	0	0	275	0	257	294	0	2	0	0	0	2	0	0	0	2
800	75	0	0	2	98	0	0	2	0	2	0	2	252	0	225	276	0	2	0	0	223	0	205	243	0	2	0	0	0	2	0	0	0	2
900	86	0	0	2	121	0	0	2	0	2	0	2	237	0	223	254	0	2	0	0	227	0	208	246	0	2	0	0	0	2	0	0	0	2
1000	140	0	0	2	177	0	0	2	0	2	0	2	253	0	237	267	0	2	0	0	249	0	233	268	0	2	0	0	0	2	0	0	0	2
1100	136	0	0	2	184	0	0	2	0	2	0	2	253	0	232	267	0	2	0	0	246	0	225	268	0	2	0	0	0	2	0	0	0	2
1200	136	0	0	2	186	0	0	2	0	2	0	2	258	0	245	270	0	2	0	0	249	0	224	266	0	2	0	0	0	2	0	0	0	2
1300	146	0	0	2	209	0	0	2	0	2	0	2	257	0	245	268	0	2	0	0	250	0	230	263	0	2	0	0	0	2	0	0	0	2
1400	157	0	0	2	217	0	0	2	0	2	0	2	253	0	241	267	0	2	0	0	246	0	232	270	0	2	0	0	0	2	0	0	0	2
1500	152	0	0	2	232	0	0	2	0	2	0	2	255	0	244	268	0	2	0	0	250	0	233	268	0	2	0	0	0	2	0	0	0	2
1600	173	0	0	2	236	0	0	2	0	2	0	2	249	0	239	258	0	2	0	0	249	0	223	269	0	2	0	0	0	2	0	0	0	2
1700	184	0	0	2	248	0	0	2	0	2	0	2	253	0	240	259	0	2	0	0	250	0	227	266	0	2	0	0	0	2	0	0	0	2
1800	234	0	0	2	338	0	0	2	0	2	0	2	248	0	242	260	0	2	0	0	249	0	232	262	0	2	0	0	0	2	0	0	0	2
1900	213	0	0	2	305	0	0	2	0	2	0	2	254	0	239	267	0	2	0	0	252	0	241	270	0	2	0	0	0	2	0	0	0	2
2000	217	0	0	2	363	0	0	2	0	2	0	2	253	0	242	269	0	2	0	0	260	0	237	273	0	2	0	0	0	2	0	0	0	2
2100	230	0	0	2	334	0	0	2	0	2	0	2	261	0	250	273	0	2	0	0	252	0	237	271	0	2	0	0	0	2	0	0	0	2
2200	217	0	0	2	350	0	0	2	0	2	0	2	262	0	250	273	0	2	0	0	267	0	248	282	0	2	0	0	0	2	0	0	0	2
2300	317	0	0	2	373	0	0	2	0	2	0	2	270	0	263	282	0	2	0	0	279	0	260	289	0	2	0	0	0	2	0	0	0	2
2400	277	0	0	2	361	0	0	2	0	2	0	2	287	0	270	304	0	2	0	0	295	0	273	320	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	220	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	200	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	200	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	214	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	217	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	217	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	210	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	186	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	193	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	200	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	183	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	183	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	193	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	207	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	217	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	224	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	217	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	220	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	227	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	239	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	249	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	265	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	275	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	275	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	261	0	0	2	363	0	0	2	0	2	0	2	302	0	296	321	0	2	0	0	306	0	296	316	0	2	0	0	0	2	0	0	0	2
200	305	0	0	2	386	0	0	2	0	2	0	2	309	0	297	316	0	2	0	0	313	0	300	321	0	2	0	0	0	2	0	0	0	2
300	290	0	0	2	382	0	0	2	0	2	0	2	313	0	302	323	0	2	0	0	323	0	309	331	0	2	0	0	0	2	0	0	0	2
400	283	0	0	2	323	0	0	2	0	2	0	2	318	0	305	330	0	2	0	0	327	0	308	347	0	2	0	0	0	2	0	0	0	2
500	250	0	0	2	361	0	0	2	0	2	0	2	317	0	302	327	0	2	0	0	316	0	307	329	0	2	0	0	0	2	0	0	0	2
600	240	0	0	2	327	0	0	2	0	2	0	2	320	0	305	330	0	2	0	0	324	0	314	339	0	2	0	0	0	2	0	0	0	2
700	252	0	0	2	352	0	0	2	0	2	0	2	324	0	309	334	0	2	0	0	327	0	317	344	0	2	0	0	0	2	0	0	0	2
800	234	0	0	2	319	0	0	2	0	2	0	2	324	0	309	332	0	2	0	0	332	0	314	344	0	2	0	0	0	2	0	0	0	2
900	246	0	0	2	348	0	0	2	0	2	0	2	323	0	308	345	0	2	0	0	332	0	316	345	0	2	0	0	0	2	0	0	0	2
1000	211	0	0	2	294	0	0	2	0	2	0	2	331	0	307	351	0	2	0	0	326	0	312	347	0	2	0	0	0	2	0	0	0	2
1100	194	0	0	2	259	0	0	2	0	2	0	2	335	0	315	354	0	2	0	0	335	0	316	349	0	2	0	0	0	2	0	0	0	2
1200	184	0	0	2	244	0	0	2	0	2	0	2	324	0	304	343	0	2	0	0	342	0	323	357	0	2	0	0	0	2	0	0	0	2
1300	161	0	0	2	221	0	0	2	0	2	0	2	324	0	308	347	0	2	0	0	340	0	314	353	0	2	0	0	0	2	0	0	0	2
1400	161	0	0	2	200	0	0	2	0	2	0	2	332	0	312	351	0	2	0	0	329	0	302	351	0	2	0	0	0	2	0	0	0	2
1500	127	0	0	2	192	0	0	2	0	2	0	2	323	0	298	340	0	2	0	0	325	0	302	341	0	2	0	0	0	2	0	0	0	2
1600	111	0	0	2	165	0	0	2	0	2	0	2	331	0	305	344	0	2	0	0	321	0	302	342	0	2	0	0	0	2	0	0	0	2
1700	102	0	0	2	150	0	0	2	0	2	0	2	331	0	306	348	0	2	0	0	325	0	308	342	0	2	0	0	0	2	0	0	0	2
1800	92	0	0	2	115	0	0	2	0	2	0	2	339	0	318	356	0	2	0	0	329	0	314	343	0	2	0	0	0	2	0	0	0	2
1900	73	0	0	2	94	0	0	2	0	2	0	2	347	0	323	5	0	2	0	0	326	0	312	345	0	2	0	0	0	2	0	0	0	2
2000	50	0	0	2	71	0	0	2	0	2	0	2	336	0	318	0	0	2	0	0	340	0	320	359	0	2	0	0	0	2	0	0	0	2
2100	38	0	0	2	42	0	0	2	0	2	0	2	35	0	23	50	0	2	0	0	340	0	313	353	0	2	0	0	0	2	0	0	0	2
2200	38	0	0	2	34	0	0	2	0	2	0	2	113	0	95	131	0	2	0	0	107	0	95	117	0	2	0	0	0	2	0	0	0	2
2300	42	0	0	2	102	0	0	2	0	2	0	2	146	0	137	162	0	2	0	0	147	0	146	154	0	2	0	0	0	2	0	0	0	2
2400	40	0	0	2	88	0	0	2	0	2	0	2	135	0	122	143	0	2	0	0	138	0	133	146	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	278	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	271	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	251	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	241	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	183	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	176	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	156	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	146	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	146	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	132	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	115	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	139	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	132	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	129	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	129	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	135	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	146	0	0	2	0	2	0	2	0	2	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	146	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	156	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	156	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	152	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	132	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	101	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	105	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	52	0	0	2	115	0	0	2	0	2	0	2	138	0	125	146	0	2	0	0	145	0	138	156	0	2	0	0	0	2	0	0	0	2
200	52	0	0	2	105	0	0	2	0	2	0	2	145	0	132	154	0	2	0	0	152	0	141	158	0	2	0	0	0	2	0	0	0	2
300	57	0	0	2	127	0	0	2	0	2	0	2	144	0	131	159	0	2	0	0	159	0	147	168	0	2	0	0	0	2	0	0	0	2
400	77	0	0	2	115	0	0	2	0	2	0	2	137	0	128	150	0	2	0	0	147	0	128	162	0	2	0	0	0	2	0	0	0	2
500	59	0	0	2	105	0	0	2	0	2	0	2	138	0	128	150	0	2	0	0	144	0	133	163	0	2	0	0	0	2	0	0	0	2
600	75	0	0	2	125	0	0	2	0	2	0	2	124	0	113	140	0	2	0	0	132	0	115	146	0	2	0	0	0	2	0	0	0	2
700	82	0	0	2	130	0	0	2	0	2	0	2	131	0	120	152	0	2	0	0	133	0	118	146	0	2	0	0	0	2	0	0	0	2
800	100	0	0	2	127	0	0	2	0	2	0	2	136	0	120	155	0	2	0	0	135	0	116	154	0	2	0	0	0	2	0	0	0	2
900	127	0	0	2	202	0	0	2	0	2	0	2	138	0	126	151	0	2	0	0	132	0	113	146	0	2	0	0	0	2	0	0	0	2
1000	117	0	0	2	202	0	0	2	0	2	0	2	146	0	133	160	0	2	0	0	135	0	124	152	0	2	0	0	0	2	0	0	0	2
1100	134	0	0	2	190	0	0	2	0	2	0	2	142	0	124	155	0	2	0	0	131	0	118	146	0	2	0	0	0	2	0	0	0	2
1200	132	0	0	2	188	0	0	2	0	2	0	2	131	0	120	137	0	2	0	0	123	0	108	138	0	2	0	0	0	2	0	0	0	2
1300	144	0	0	2	186	0	0	2	0	2	0	2	133	0	122	142	0	2	0	0	124	0	113	145	0	2	0	0	0	2	0	0	0	2
1400	80	0	0	2	127	0	0	2	0	2	0	2	135	0	122	149	0	2	0	0	128	0	114	145	0	2	0	0	0	2	0	0	0	2
1500	61	0	0	2	121	0	0	2	0	2	0	2	132	0	118	153	0	2	0	0	135	0	114	147	0	2	0	0	0	2	0	0	0	2
1600	67	0	0	2	111	0	0	2	0	2	0	2	125	0	109	135	0	2	0	0	122	0	109	140	0	2	0	0	0	2	0	0	0	2
1700	84	0	0	2	123	0	0	2	0	2	0	2	118	0	108	128	0	2	0	0	119	0	99	135	0	2	0	0	0	2	0	0	0	2
1800	136	0	0	2	159	0	0	2	0	2	0	2	110	0	96	125	0	2	0	0	114	0	95	133	0	2	0	0	0	2	0	0	0	2
1900	140	0	0	2	207	0	0	2	0	2	0	2	111	0	97	123	0	2	0	0	119	0	98	129	0	2	0	0	0	2	0	0	0	2
2000	146	0	0	2	207	0	0	2	0	2	0	2	111	0	99	122	0	2	0	0	113	0	92	128	0	2	0	0	0	2	0	0	0	2
2100	146	0	0	2	202	0	0	2	0	2	0	2	106	0	96	118	0	2	0	0	115	0	92	126	0	2	0	0	0	2	0	0	0	2
2200	140	0	0	2	189	0	0	2	0	2	0	2	116	0	105	124	0	2	0	0	118	0	104	136	0	2	0	0	0	2	0	0	0	2
2300	123	0	0	2	165	0	0	2	0	2	0	2	117	0	108	126	0	2	0	0	122	0	99	133	0	2	0	0	0	2	0	0	0	2
2400	121	0	0	2	165	0	0	2	0	2	0	2	111	0	101	122	0	2	0	0	116	0	99	129	0	2	0	0	0	2	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 160A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	108	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	108	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	105	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	95	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	95	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	95	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	98	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	122	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	115	0	0	2	0	2	0	2	0	2	0	2	-24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	139	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	146	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	166	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	169	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	159	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	173	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	173	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	173	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	173	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	173	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	173	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	173	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	173	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	183	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	156	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

[illegible] TEMPERATURE .1 DEGREES SPEED .1 MPH DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	115	0	0	2	119	0	0	2	0	2	0	2	110	0	100	120	0	2	0	0	116	0	92	127	0	2	0	0	0	2	0	0	0	2
200	82	0	0	2	125	0	0	2	0	2	0	2	96	0	83	108	0	2	0	0	97	0	87	110	0	2	0	0	0	2	0	0	0	2
300	82	0	0	2	138	0	0	2	0	2	0	2	100	0	91	113	0	2	0	0	93	0	88	106	0	2	0	0	0	2	0	0	0	2
400	86	0	0	2	139	0	0	2	0	2	0	2	99	0	87	111	0	2	0	0	97	0	79	115	0	2	0	0	0	2	0	0	0	2
500	99	0	0	2	148	0	0	2	0	2	0	2	101	0	86	108	0	2	0	0	105	0	86	115	0	2	0	0	0	2	0	0	0	2
600	123	0	0	2	150	0	0	2	0	2	0	2	101	0	89	116	0	2	0	0	106	0	89	119	0	2	0	0	0	2	0	0	0	2
700	119	0	0	2	130	0	0	2	0	2	0	2	105	0	90	119	0	2	0	0	111	0	93	123	0	2	0	0	0	2	0	0	0	2
800	113	0	0	2	130	0	0	2	0	2	0	2	107	0	99	119	0	2	0	0	111	0	97	119	0	2	0	0	0	2	0	0	0	2
900	93	0	95	0	99	0	98	0	0	0	0	0	83	0	148	50	81	0	151	99	89	0	110	69	78	0	115	51	0	0	0	0	0	0
1000	99	0	96	0	37	0	96	0	0	0	0	0	71	0	112	39	67	0	102	23	69	0	111	98	56	0	112	32	0	0	0	0	0	0
1100	32	0	39	0	39	0	39	0	0	0	0	0	89	0	119	46	83	0	139	39	91	0	149	65	78	0	140	40	0	0	0	0	0	0
1200	23	0	25	0	25	0	26	0	0	0	0	0	353	3	76	272	345	3	121	279	1	3	52	315	349	3	95	293	0	0	0	0	0	0
1300	65	0	63	0	68	0	69	0	0	0	0	0	335	0	92	291	326	0	9	271	352	0	9	329	332	0	359	306	0	0	0	0	0	0
1400	79	0	73	0	87	0	88	0	0	0	0	0	331	0	9	278	322	0	359	283	342	0	359	312	321	0	331	290	0	0	0	0	0	0
1500	69	0	69	0	79	0	73	0	0	0	0	0	333	0	19	301	329	0	11	271	346	0	17	325	327	0	357	301	0	0	0	0	0	0
1600	65	0	61	0	70	0	71	0	0	0	0	0	352	0	45	300	343	0	49	292	358	0	17	331	337	0	359	285	0	0	0	0	0	0
1700	58	0	53	0	69	0	63	0	0	0	0	0	341	0	20	300	335	0	16	303	356	0	28	329	336	0	357	301	0	0	0	0	0	0
1800	70	0	66	0	79	0	79	0	0	0	0	0	341	0	12	309	334	0	5	309	347	0	17	336	327	0	347	315	0	0	0	0	0	0
1900	63	0	58	0	74	0	75	0	0	0	0	0	345	0	18	314	338	0	13	286	350	0	6	323	330	0	341	278	0	0	0	0	0	0
2000	36	0	38	0	40	0	47	0	0	0	0	0	65	0	98	30	59	0	86	27	57	0	80	32	42	0	83	15	0	0	0	0	0	0
2100	19	0	16	0	17	0	21	0	0	0	0	0	337	3	51	279	330	3	44	270	8	3	46	336	346	3	37	303	0	0	0	0	0	0
2200	61	0	58	0	71	0	74	0	0	0	0	0	321	0	346	273	313	0	344	270	329	0	340	305	309	0	318	288	0	0	0	0	0	0
2300	30	0	28	0	32	0	34	0	0	0	0	0	350	3	22	286	343	3	23	298	353	0	21	331	334	0	20	304	0	0	0	0	0	0
2400	0	4	9	0	12	0	13	0	0	0	0	0	84	3	262	1	37	3	178	281	15	3	21	10	2	3	47	318	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	156	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	156	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	169	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	176	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	180	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	190	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	190	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	219	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	211	0	207	0	198	0	193	0	320	0	320	0	-13	0	-13	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1000	231	0	227	0	220	0	216	0	320	0	320	0	-9	0	-11	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1100	254	0	252	0	238	0	233	0	320	0	320	0	-14	0	-18	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1200	314	0	312	0	303	0	299	0	320	0	320	0	-9	0	-11	0	0	0	0	0	379	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1300	296	0	288	0	278	0	276	0	320	0	320	0	-18	0	-14	0	0	0	0	0	367	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1400	281	0	276	0	269	0	261	0	320	0	320	0	-14	0	-11	0	0	0	0	0	354	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1500	285	0	279	0	270	0	267	0	320	0	320	0	-14	0	-11	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1600	283	0	278	0	276	0	272	0	320	0	320	0	-5	0	-4	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1700	279	0	274	0	265	0	260	0	320	0	320	0	-14	0	-11	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1800	261	0	254	0	249	0	243	0	320	0	320	0	-13	0	-11	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1900	261	0	254	0	251	0	243	0	320	0	320	0	-11	0	-9	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
2000	265	0	256	0	252	0	247	0	320	0	320	0	-9	0	-7	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
2100	258	0	249	0	249	0	243	0	320	0	320	0	-7	0	-5	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
2200	272	0	265	0	260	0	254	0	320	0	320	0	-11	0	-9	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
2300	272	0	265	0	261	0	256	0	320	0	320	0	-11	0	-7	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
2400	274	0	267	0	263	0	258	0	320	0	320	0	-9	0	-7	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	23	0	22	0	31	0	32	0	0	0	0	0	83	3	75	22	37	3	67	12	31	0	42	17	15	0	32	359	0	0	0	0	0	0	0	0	0	0
200	27	0	29	0	32	0	33	0	0	0	0	0	7	3	45	303	359	3	37	307	11	0	36	348	352	0	23	328	0	0	0	0	0	0	0	0	0	0
300	0	9	0	9	8	0	11	0	0	0	0	0	2	3	131	286	353	3	128	278	9	3	5	358	351	3	72	311	0	0	0	0	0	0	0	0	0	0
400	0	9	8	0	0	9	7	0	0	0	0	0	57	3	98	0	51	3	99	2	59	3	59	59	337	5	338	334	0	0	0	0	0	0	0	0	0	0
500	0	9	22	2	0	9	0	9	0	0	0	0	32	3	88	270	23	3	79	271	59	3	59	59	348	3	26	336	0	0	0	0	0	0	0	0	0	0
600	0	9	29	2	32	2	0	9	0	0	0	0	201	0	321	92	66	3	152	1	59	0	59	59	29	3	81	345	0	0	0	0	0	0	0	0	0	0
700	49	0	40	0	38	0	45	0	0	0	0	0	79	0	89	72	76	0	99	66	79	0	85	61	59	0	72	98	0	0	0	0	0	0	0	0	0	0
800	20	0	18	0	25	0	32	0	0	0	0	0	102	5	116	89	99	3	113	76	73	3	78	68	59	0	65	52	0	0	0	0	0	0	0	0	0	0
900	39	0	33	0	36	0	38	0	0	0	0	0	131	0	175	100	129	0	163	75	133	0	159	102	120	0	149	93	0	0	0	0	0	0	0	0	0	0
1000	51	0	53	0	77	0	81	0	0	0	0	0	143	0	207	109	143	0	229	92	147	0	193	105	139	0	169	97	0	0	0	0	0	0	0	0	0	0
1100	69	0	61	0	88	0	88	0	0	0	0	0	152	0	258	95	153	0	268	113	163	0	206	128	152	0	189	129	0	0	0	0	0	0	0	0	0	0
1200	69	0	66	0	85	0	90	0	0	0	0	0	138	0	239	103	138	0	209	99	159	0	192	122	142	0	178	108	0	0	0	0	0	0	0	0	0	0
1300	79	0	68	0	115	0	103	0	0	0	0	0	175	0	253	112	173	0	259	102	183	0	230	148	171	0	211	133	0	0	0	0	0	0	0	0	0	0
1400	92	0	88	0	123	0	126	0	0	0	0	0	159	0	221	113	155	0	269	112	159	0	209	121	149	0	206	106	0	0	0	0	0	0	0	0	0	0
1500	69	0	61	0	98	0	91	0	0	0	0	0	173	0	267	91	179	0	269	108	178	0	228	133	166	0	218	122	0	0	0	0	0	0	0	0	0	0
1600	79	0	79	0	112	0	115	0	0	0	0	0	152	0	212	117	153	0	206	95	159	0	209	130	149	0	197	106	0	0	0	0	0	0	0	0	0	0
1700	107	0	115	0	170	0	175	0	0	0	0	0	135	0	161	113	138	0	165	112	148	0	179	127	137	0	160	119	0	0	0	0	0	0	0	0	0	0
1800	137	0	146	0	193	0	202	0	0	0	0	0	130	0	143	113	132	0	163	100	139	0	160	125	128	0	145	113	0	0	0	0	0	0	0	0	0	0
1900	82	0	77	0	140	0	145	0	0	0	0	0	147	0	173	119	147	0	202	110	155	0	169	140	149	0	162	123	0	0	0	0	0	0	0	0	0	0
2000	66	0	65	0	116	0	118	0	0	0	0	0	152	0	178	122	151	0	189	113	161	0	179	143	149	0	179	128	0	0	0	0	0	0	0	0	0	0
2100	90	0	90	0	146	0	153	0	0	0	0	0	148	0	182	120	150	0	213	109	161	0	185	139	150	0	173	133	0	0	0	0	0	0	0	0	0	0
2200	118	0	122	0	199	0	203	0	0	0	0	0	145	0	182	122	145	0	183	112	156	0	179	122	149	0	162	122	0	0	0	0	0	0	0	0	0	0
2300	148	0	155	0	238	0	244	0	0	0	0	0	142	0	179	119	144	0	193	117	153	0	172	128	141	0	168	118	0	0	0	0	0	0	0	0	0	0
2400	151	0	159	0	256	0	263	0	0	0	0	0	143	0	168	120	144	0	181	112	153	0	176	136	142	0	167	122	0	0	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	272	0	265	0	263	0	258	0	320	0	320	0	-7	0	-5	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
200	276	0	269	0	267	0	261	0	320	0	320	0	-9	0	-7	0	0	0	0	0	339	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
300	276	0	269	0	265	0	260	0	320	0	320	0	-9	0	-5	0	0	0	0	0	339	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
400	272	0	265	0	265	0	260	0	320	0	320	0	-7	0	-4	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
500	234	0	227	0	231	0	227	0	320	0	320	0	2	0	2	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
600	256	0	247	0	238	0	233	0	320	0	320	0	-16	0	-13	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
700	258	0	249	0	263	0	258	0	320	0	320	0	5	0	11	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
800	267	0	260	0	272	0	265	0	320	0	320	0	5	0	7	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
900	294	0	288	0	278	0	274	0	320	0	320	0	-16	0	-14	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1000	322	0	315	0	292	0	288	0	320	0	320	0	-27	0	-25	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1100	354	0	349	0	322	0	322	0	320	0	320	0	-31	0	-29	0	0	0	0	0	397	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1200	367	0	361	0	342	0	336	0	320	0	320	0	-23	0	-23	0	0	0	0	0	408	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1300	387	0	381	0	352	0	343	0	320	0	320	0	-36	0	-34	0	0	0	0	0	408	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1400	379	0	374	0	351	0	345	0	320	0	320	0	-29	0	-27	0	0	0	0	0	401	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1500	403	0	397	0	365	0	360	0	320	0	320	0	-34	0	-38	0	0	0	0	0	405	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1600	396	0	390	0	370	0	367	0	320	0	320	0	-23	0	-22	0	0	0	0	0	397	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1700	381	0	376	0	363	0	360	0	320	0	320	0	-16	0	-14	0	0	0	0	0	390	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1800	367	0	360	0	356	0	351	0	320	0	320	0	-9	0	-7	0	0	0	0	0	376	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
1900	347	0	340	0	342	0	336	0	320	0	320	0	-5	0	-2	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
2000	331	0	329	0	327	0	322	0	320	0	320	0	-4	0	0	0	0	0	0	0	352	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
2100	320	0	319	0	315	0	308	0	320	0	320	0	-5	0	-4	0	0	0	0	0	349	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
2200	312	0	306	0	305	0	301	0	320	0	320	0	-5	0	-4	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
2300	308	0	301	0	299	0	296	0	320	0	320	0	-7	0	-5	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
2400	303	0	296	0	294	0	290	0	320	0	320	0	-7	0	-5	0	0	0	0	0	385	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	151	0	154	0	240	0	245	0	0	0	0	0	148	0	176	117	148	0	189	95	159	0	193	135	147	0	182	118	0	0	0	0	0	0
200	132	0	141	0	217	0	222	0	0	0	0	0	141	0	161	119	140	0	170	108	152	0	173	130	140	0	159	103	0	0	0	0	0	0
300	146	0	153	0	236	0	242	0	0	0	0	0	140	0	166	125	143	0	197	111	149	0	167	136	139	0	157	120	0	0	0	0	0	0
400	124	0	125	0	217	0	220	0	0	0	0	0	144	0	203	123	145	0	211	117	155	0	178	132	144	0	169	171	0	0	0	0	0	0
500	190	0	193	0	291	0	297	0	0	0	0	0	134	0	153	119	136	0	168	110	145	0	166	123	134	0	151	107	0	0	0	0	0	0
600	153	0	160	0	261	0	269	0	0	0	0	0	137	0	165	118	138	0	188	112	151	0	192	128	140	0	169	120	0	0	0	0	0	0
700	168	0	164	0	286	0	289	0	0	0	0	0	151	0	175	130	151	0	181	112	162	0	198	142	151	0	168	128	0	0	0	0	0	0
800	138	0	143	0	238	0	225	0	0	0	0	0	154	0	176	122	153	0	197	113	171	0	187	155	159	0	177	142	0	0	0	0	0	0
900	113	0	108	0	206	0	193	0	0	0	0	0	156	0	178	133	155	0	189	106	171	0	184	151	159	0	172	139	0	0	0	0	0	
1000	115	0	111	0	204	0	192	0	0	0	0	0	159	0	204	124	160	0	207	110	172	0	196	139	161	0	193	129	0	0	0	0	0	0
1100	108	0	89	0	192	0	159	0	0	0	0	0	183	0	237	127	179	0	255	96	190	0	222	145	179	0	210	122	0	0	0	0	0	0
1200	102	0	82	0	173	0	149	0	0	0	0	0	208	0	269	99	202	0	268	113	205	0	233	170	191	0	213	155	0	0	0	0	0	0
1300	105	0	83	0	168	0	143	0	0	0	0	0	207	0	263	150	205	0	264	157	207	0	230	172	194	0	226	155	0	0	0	0	0	0
1400	72	0	63	0	126	0	113	0	0	0	0	0	216	0	260	162	214	0	268	129	213	0	242	167	200	0	234	158	0	0	0	0	0	0
1500	74	0	56	0	115	0	101	0	0	0	0	0	213	0	256	148	209	0	261	154	209	0	235	183	196	0	223	170	0	0	0	0	0	0
1600	68	0	59	0	104	0	101	0	0	0	0	0	228	0	267	186	227	0	263	178	223	0	248	194	208	0	232	184	0	0	0	0	0	0
1700	60	0	58	0	101	0	111	0	0	0	0	0	246	0	266	219	242	0	269	195	248	0	252	245	233	0	240	228	0	0	0	0	0	0
1800	23	0	21	0	19	0	20	0	0	0	0	0	27	0	59	299	25	3	57	337	245	5	333	178	283	0	359	210	0	0	0	0	0	0
1900	52	0	47	0	44	0	45	0	0	0	0	0	98	0	126	72	98	0	121	68	94	0	114	77	79	0	106	58	0	0	0	0	0	0
2000	72	0	67	0	111	0	111	0	0	0	0	0	88	0	133	29	87	0	131	15	87	0	111	45	73	0	114	27	0	0	0	0	0	0
2100	192	2	181	2	258	2	254	2	0	0	0	0	30	2	57	358	24	2	66	325	26	2	53	342	6	2	30	319	0	0	0	0	0	0
2200	97	0	93	0	115	0	111	0	0	0	0	0	28	0	77	338	22	0	75	327	32	0	77	338	14	0	53	322	0	0	0	0	0	0
2300	142	0	143	0	190	0	183	0	0	0	0	0	47	0	69	22	41	0	67	14	43	0	61	24	25	0	45	357	0	0	0	0	0	0
2400	120	0	114	0	199	0	191	0	0	0	0	0	356	0	35	308	349	0	50	304	1	0	28	342	344	0	13	324	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	310	0	303	0	299	0	294	0	320	0	320	0	-9	0	-7	0	0	0	0	0	349	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
200	315	0	308	0	305	0	301	0	320	0	320	0	-9	0	-7	0	0	0	0	0	352	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
300	324	0	317	0	314	0	308	0	320	0	320	0	-9	0	-7	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
400	334	0	329	0	327	0	322	0	320	0	320	0	-5	0	-4	0	0	0	0	0	360	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0
500	343	0	336	0	338	0	333	0	320	0	320	0	-5	0	-2	0	0	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	230	0
600	361	0	354	0	356	0	351	0	320	0	320	0	-4	0	2	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	230	0
700	385	0	379	0	381	0	378	0	320	0	320	0	-2	0	0	0	0	0	0	0	383	0	0	0	0	0	0	0	0	0	0	0	0	0	230	0
800	388	0	383	0	390	0	385	0	320	0	320	0	4	0	5	0	0	0	0	0	379	0	0	0	0	0	0	0	0	0	0	0	0	0	232	0
900	394	0	388	0	396	0	390	0	320	0	320	0	2	0	4	0	0	0	0	0	383	0	0	0	0	0	0	0	0	0	0	0	0	0	232	0
1000	430	0	424	0	424	0	419	0	320	0	320	0	-5	0	-4	0	0	0	0	0	405	0	0	0	0	0	0	0	0	0	0	0	0	0	233	0
1100	464	0	459	0	451	0	444	0	320	0	320	0	-13	0	-11	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	0	0	233	0
1200	518	0	513	0	496	0	493	0	320	0	320	0	-20	0	-18	0	0	0	0	0	466	0	0	0	0	0	0	0	0	0	0	0	0	0	233	0
1300	504	0	498	0	495	0	489	0	320	0	320	0	-7	0	-7	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	0	0	233	0
1400	507	0	502	0	500	0	495	0	320	0	320	0	-5	0	-5	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	0	0	233	0
1500	507	0	502	0	498	0	495	0	320	0	320	0	-7	0	-5	0	0	0	0	0	450	0	0	0	0	0	0	0	0	0	0	0	0	0	233	0
1600	504	0	498	0	496	0	491	0	320	0	320	0	-7	0	-5	0	0	0	0	0	446	0	0	0	0	0	0	0	0	0	0	0	0	0	233	0
1700	480	0	475	0	487	0	484	0	320	0	320	0	9	0	11	0	0	0	0	0	432	0	0	0	0	0	0	0	0	0	0	0	0	0	233	0
1800	477	0	471	0	480	0	475	0	320	0	320	0	5	0	7	0	0	0	0	0	432	0	0	0	0	0	0	0	0	0	0	0	0	0	235	0
1900	459	0	451	0	468	0	462	0	320	0	320	0	11	0	11	0	0	0	0	0	419	0	0	0	0	0	0	0	0	0	0	0	0	0	294	0
2000	464	0	457	0	473	0	468	0	320	0	320	0	11	0	11	0	0	0	0	0	423	0	0	0	0	0	0	0	0	0	0	0	0	0	10	6
2100	388	2	381	2	383	2	378	2	320	0	320	0	-4	2	-2	2	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2200	376	0	370	0	372	0	367	0	320	0	320	0	-4	0	-4	0	0	0	0	0	278	0	0	0	0	0	0	0	0	0	0	0	0	0	112	0
2300	372	0	367	0	374	0	367	0	320	0	320	0	2	0	2	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0
2400	343	0	336	0	338	0	331	0	320	0	320	0	-7	0	-5	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	116	6

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	177	0	166	0	241	0	236	0	0	0	0	0	339	0	356	318	332	0	0	295	346	0	359	325	327	0	339	309	0	0	0	0	0	0
200	182	0	172	0	278	0	280	0	0	0	0	0	345	0	14	325	336	0	20	302	350	0	10	339	329	0	347	308	0	0	0	0	0	0
300	145	0	137	0	255	0	243	0	0	0	0	0	1	0	54	310	357	0	100	301	359	0	71	290	341	0	29	299	0	0	0	0	0	0
400	174	0	168	0	295	0	299	0	0	0	0	0	18	0	61	338	9	0	121	313	8	0	36	320	348	0	25	312	0	0	0	0	0	0
500	160	0	149	0	228	0	229	0	0	0	0	0	16	0	42	343	11	0	99	319	10	0	39	332	351	0	29	302	0	0	0	0	0	0
600	227	0	206	0	319	0	309	0	0	0	0	0	350	0	19	329	340	0	27	300	359	0	34	341	339	0	17	320	0	0	0	0	0	0
700	166	0	152	0	264	0	252	0	0	0	0	0	2	0	51	305	355	0	85	281	3	0	43	320	349	0	44	316	0	0	0	0	0	0
800	183	2	175	2	280	2	282	2	0	0	0	0	17	2	48	332	11	2	106	329	5	2	30	326	346	2	48	320	0	0	0	0	0	0
900	184	0	175	0	233	0	231	0	0	0	0	0	26	0	53	340	18	0	89	317	17	0	43	347	358	0	31	317	0	0	0	0	0	0
1000	161	0	155	0	197	0	193	0	0	0	0	0	30	0	54	3	22	0	65	338	20	0	55	358	3	0	41	332	0	0	0	0	0	0
1100	158	0	144	0	210	0	206	0	0	0	0	0	26	0	48	358	19	0	72	344	17	0	45	354	359	0	31	330	0	0	0	0	0	0
1200	134	0	129	0	197	0	194	0	0	0	0	0	23	0	68	342	15	0	62	302	10	0	35	329	350	0	20	319	0	0	0	0	0	0
1300	158	0	152	0	199	0	192	0	0	0	0	0	25	0	52	347	18	0	66	326	15	0	41	350	357	0	38	327	0	0	0	0	0	0
1400	124	0	117	0	199	0	199	0	0	0	0	0	22	0	61	324	12	0	72	292	9	0	34	334	348	0	21	317	0	0	0	0	0	
1500	95	0	96	0	139	0	138	0	0	0	0	0	25	0	64	324	16	0	59	297	10	0	53	319	349	0	27	297	0	0	0	0	0	0
1600	122	0	118	0	136	0	137	0	0	0	0	0	30	0	56	3	24	0	61	339	22	0	53	357	7	0	47	340	0	0	0	0	0	0
1700	114	0	106	0	140	0	138	0	0	0	0	0	26	0	50	355	18	0	47	344	19	0	44	342	1	0	30	331	0	0	0	0	0	0
1800	95	0	90	0	106	0	106	0	0	0	0	0	36	0	60	357	29	0	61	335	31	0	53	4	14	0	37	331	0	0	0	0	0	0
1900	83	0	86	0	96	0	109	0	0	0	0	0	57	0	89	22	53	0	87	10	49	0	72	17	33	0	65	358	0	0	0	0	0	0
2000	72	0	73	0	81	0	93	0	0	0	0	0	53	0	82	34	47	0	83	12	53	0	73	36	36	0	69	12	0	0	0	0	0	0
2100	54	0	58	0	65	0	79	0	0	0	0	0	58	0	83	37	54	0	89	23	58	0	78	35	43	0	65	22	0	0	0	0	0	0
2200	64	0	63	0	85	0	88	0	0	0	0	0	85	0	103	64	22	0	121	58	83	0	100	64	68	0	89	47	0	0	0	0	0	0
2300	143	0	140	0	178	0	178	0	0	0	0	0	91	0	113	71	88	0	138	50	90	0	123	66	76	0	100	49	0	0	0	0	0	0
2400	150	0	145	0	185	0	188	0	0	0	0	0	105	0	133	82	104	0	157	83	104	0	132	77	92	0	123	62	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	340	0	333	0	334	0	329	0	320	0	320	0	-5	0	-4	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	119	0
200	340	0	331	0	331	0	329	0	320	0	320	0	-7	0	-5	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	133	0
300	338	0	331	0	333	0	325	0	320	0	320	0	-7	0	-5	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
400	329	0	322	0	320	0	314	0	320	0	320	0	-9	0	-7	0	0	0	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
500	320	0	314	0	312	0	306	0	320	0	320	0	-7	0	-5	0	0	0	0	0	256	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
600	314	0	306	0	305	0	301	0	320	0	320	0	-7	0	-5	0	0	0	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
700	301	0	294	0	292	0	285	0	320	0	320	0	-9	0	-7	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
800	297	2	290	2	287	2	281	2	320	0	320	0	-11	2	-9	2	0	0	0	0	263	2	0	0	0	0	0	0	0	0	0	0	0	0	135	0
900	290	0	283	0	283	0	274	0	320	0	320	0	-11	0	-9	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1000	288	0	281	0	279	0	272	0	320	0	320	0	-9	0	-7	0	0	0	0	0	245	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1100	290	0	283	0	288	0	274	0	320	0	320	0	-9	0	-7	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1200	296	0	288	0	285	0	279	0	320	0	320	0	-11	0	-9	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1300	292	0	285	0	290	0	276	0	320	0	320	0	-11	0	-9	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1400	285	0	279	0	274	0	267	0	320	0	320	0	-13	0	-11	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1500	279	0	272	0	267	0	261	0	320	0	320	0	-13	0	-11	0	0	0	0	0	247	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1600	281	0	274	0	270	0	265	0	320	0	320	0	-9	0	-7	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1700	279	0	270	0	269	0	261	0	320	0	320	0	-11	0	-9	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1800	278	0	270	0	267	0	261	0	320	0	320	0	-9	0	-7	0	0	0	0	0	242	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1900	279	0	272	0	270	0	263	0	320	0	320	0	-11	0	-7	0	0	0	0	0	249	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2000	278	0	270	0	269	0	261	0	320	0	320	0	-11	0	-7	0	0	0	0	0	249	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2100	283	0	274	0	276	0	269	0	320	0	320	0	-7	0	-5	0	0	0	0	0	245	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2200	290	0	281	0	281	0	278	0	320	0	320	0	-7	0	-5	0	0	0	0	0	249	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2300	294	0	287	0	283	0	279	0	320	0	320	0	-9	0	-7	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2400	281	0	274	0	270	0	265	0	320	0	320	0	-11	0	-9	0	0	0	0	0	247	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0

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

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	172	0	165	0	216	0	216	0	0	0	0	0	111	0	136	81	111	0	150	67	110	0	144	94	97	0	126	69	0	0	0	0	0	0	0	0	0	0
200	158	0	154	0	206	0	207	0	0	0	0	0	102	0	131	79	101	0	137	67	102	0	128	66	88	0	122	64	0	0	0	0	0	0	0	0	0	0
300	132	0	127	0	159	0	162	0	0	0	0	0	104	0	129	74	104	0	138	67	105	0	125	81	92	0	116	64	0	0	0	0	0	0	0	0	0	0
400	141	0	132	0	162	0	164	0	0	0	0	0	112	0	132	88	113	0	140	83	111	0	144	69	99	0	140	61	0	0	0	0	0	0	0	0	0	0
500	162	0	160	0	205	0	210	0	0	0	0	0	102	0	123	82	102	0	136	77	104	0	125	67	91	0	115	45	0	0	0	0	0	0	0	0	0	0
600	179	0	172	0	222	0	225	0	0	0	0	0	109	0	127	87	111	0	147	74	108	0	131	75	95	0	111	69	0	0	0	0	0	0	0	0	0	0
700	150	0	144	0	180	0	183	0	0	0	0	0	111	0	129	93	112	0	147	85	115	0	139	97	101	0	119	86	0	0	0	0	0	0	0	0	0	0
800	144	0	132	0	186	0	190	0	0	0	0	0	103	0	126	82	101	0	141	72	102	0	127	78	89	0	122	60	0	0	0	0	0	0	0	0	0	0
900	139	0	134	0	186	0	188	0	0	0	0	0	101	0	133	72	100	0	158	69	100	0	128	78	87	0	119	65	0	0	0	0	0	0	0	0	0	0
1000	135	0	129	0	164	0	166	0	0	0	0	0	104	0	134	76	104	0	137	57	105	0	140	77	91	0	126	53	0	0	0	0	0	0	0	0	0	0
1100	142	0	137	0	171	0	176	0	0	0	0	0	107	0	135	75	108	0	146	53	109	0	134	61	97	0	121	60	0	0	0	0	0	0	0	0	0	0
1200	185	0	176	0	218	0	220	0	0	0	0	0	104	0	132	75	104	0	132	76	103	0	129	78	90	0	122	67	0	0	0	0	0	0	0	0	0	0
1300	184	0	176	0	237	0	241	0	0	0	0	0	102	0	131	82	100	0	142	58	102	0	126	82	88	0	110	65	0	0	0	0	0	0	0	0	0	0
1400	208	0	204	0	250	0	251	0	0	0	0	0	112	0	139	87	113	0	145	65	109	0	136	92	98	0	124	77	0	0	0	0	0	0	0	0	0	0
1500	171	0	162	0	197	0	199	0	0	0	0	0	108	0	132	82	107	0	135	56	107	0	133	77	95	0	116	77	0	0	0	0	0	0	0	0	0	0
1600	157	0	151	0	199	0	203	0	0	0	0	0	106	0	126	83	106	0	134	70	106	0	128	87	93	0	116	60	0	0	0	0	0	0	0	0	0	0
1700	153	0	150	0	187	0	190	0	0	0	0	0	104	0	127	78	106	0	138	65	107	0	137	85	94	0	123	71	0	0	0	0	0	0	0	0	0	0
1800	81	0	75	0	100	0	104	0	0	0	0	0	110	0	137	81	111	0	147	62	115	0	137	86	102	0	123	78	0	0	0	0	0	0	0	0	0	0
1900	131	0	125	0	156	0	158	0	0	0	0	0	119	0	145	98	120	0	154	91	113	0	133	91	99	0	123	78	0	0	0	0	0	0	0	0	0	0
2000	98	0	93	0	124	0	125	0	0	0	0	0	100	0	122	65	102	0	128	66	102	0	120	79	89	0	110	57	0	0	0	0	0	0	0	0	0	0
2100	63	0	59	0	79	0	82	0	0	0	0	0	116	0	133	96	117	0	151	86	117	0	138	98	106	0	128	89	0	0	0	0	0	0	0	0	0	0
2200	61	0	56	0	72	0	74	0	0	0	0	0	112	0	130	88	114	0	140	85	110	0	125	96	96	0	123	74	0	0	0	0	0	0	0	0	0	0
2300	82	0	79	0	101	0	105	0	0	0	0	0	92	0	116	67	90	0	125	52	96	0	116	76	81	0	109	58	0	0	0	0	0	0	0	0	0	0
2400	57	0	52	0	72	0	72	0	0	0	0	0	95	0	118	74	94	0	141	49	96	0	118	76	79	0	102	61	0	0	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PATN	S
100	279	0	272	0	269	0	263	0	320	0	320	0	-11	0	-7	0	0	0	0	0	245	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
200	265	0	256	0	252	0	247	0	320	0	320	0	-11	0	-9	0	0	0	0	0	240	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
300	245	0	238	0	233	0	229	0	320	0	320	0	-11	0	-9	0	0	0	0	0	233	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
400	245	0	238	0	234	0	229	0	320	0	320	0	-11	0	-7	0	0	0	0	0	233	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
500	243	0	236	0	233	0	229	0	320	0	320	0	-11	0	-7	0	0	0	0	0	233	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
600	247	0	240	0	236	0	233	0	320	0	320	0	-11	0	-7	0	0	0	0	0	233	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
700	254	0	245	0	243	0	238	0	320	0	320	0	-11	0	-7	0	0	0	0	0	236	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
800	247	0	240	0	238	0	231	0	320	0	320	0	-11	0	-9	0	0	0	0	0	234	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
900	238	0	233	0	225	0	220	0	320	0	320	0	-13	0	-11	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1000	245	0	238	0	233	0	227	0	320	0	320	0	-13	0	-11	0	0	0	0	0	236	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1100	252	0	245	0	238	0	233	0	320	0	320	0	-13	0	-11	0	0	0	0	0	242	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1200	254	0	245	0	238	0	233	0	320	0	320	0	-14	0	-13	0	0	0	0	0	243	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1300	261	0	252	0	245	0	240	0	320	0	320	0	-14	0	-13	0	0	0	0	0	245	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1400	274	0	267	0	260	0	252	0	320	0	320	0	-13	0	-11	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1500	285	0	278	0	272	0	267	0	320	0	320	0	-13	0	-9	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1600	301	0	294	0	285	0	281	0	320	0	320	0	-14	0	-13	0	0	0	0	0	260	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1700	308	0	301	0	296	0	290	0	320	0	320	0	-13	0	-9	0	0	0	0	0	261	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1800	306	0	299	0	297	0	292	0	320	0	320	0	-9	0	-7	0	0	0	0	0	258	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1900	305	0	297	0	294	0	288	0	320	0	320	0	-9	0	-7	0	0	0	0	0	254	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2000	270	0	263	0	260	0	254	0	320	0	320	0	-9	0	-7	0	0	0	0	0	240	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2100	270	0	261	0	260	0	252	0	320	0	320	0	-9	0	-7	0	0	0	0	0	242	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2200	265	0	256	0	254	0	249	0	320	0	320	0	-9	0	-7	0	0	0	0	0	240	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2300	260	0	252	0	251	0	243	0	320	0	320	0	-9	0	-7	0	0	0	0	0	238	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
2400	260	0	252	0	251	0	245	0	320	0	320	0	-9	0	-7	0	0	0	0	0	238	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
														50 B		S		150A		S		150B		S				S				S	
100	53	0	50	0	63		64	0	0	0	0	0	88	0	112	69	87	0	118	61	89	0	109	68	75	0	89	60	0	0	0	0	0
200	54	0	60	0	62	0	79	0	0	0	0	0	66	0	82	46	63	0	85	36	71	0	87	56	55	0	75	39	0	0	0	0	0
300	59	0	66	0	69	0	81	0	0	0	0	0	65	0	85	46	63	0	89	43	67	0	92	54	52	0	75	33	0	0	0	0	0
400	58	0	69	0	70	0	86	0	0	0	0	0	55	0	78	38	52	0	84	18	59	0	80	48	45	0	73	31	0	0	0	0	0
500	66	0	73	0	77	0	94	0	0	0	0	0	56	0	79	39	53	0	80	24	58	0	78	38	45	0	62	28	0	0	0	0	0
600	63	0	75	0	79	0	92	0	0	0	0	0	60	0	91	32	57	0	94	28	58	0	78	37	43	0	74	17	0	0	0	0	0
700	69	0	76	0	79	0	94	0	0	0	0	0	59	0	79	39	57	0	84	23	58	0	85	42	43	0	69	24	0	0	0	0	0
800	60	0	61	0	63	0	74	0	0	0	0	0	53	0	254	12	47	0	89	10	57	0	85	34	43	0	84	17	0	0	0	0	0
900	72	0	76	0	73	0	86	0	0	0	0	0	71	0	93	33	69	0	100	36	70	0	95	45	55	0	83	28	0	0	0	0	0
1000	73	0	77	0	89	0	94	0	0	0	0	0	84	0	114	46	82	0	147	43	83	0	102	61	69	0	94	39	0	0	0	0	0
1100	63	0	66	0	69	0	79	0	0	0	0	0	77	0	133	44	73	0	132	17	73	0	107	37	60	0	105	30	0	0	0	0	0
1200	57	0	56	0	60	0	66	0	0	0	0	0	85	0	143	32	83	0	170	27	86	0	123	41	73	0	135	17	0	0	0	0	0
1300	78	0	87	0	91	0	108	0	0	0	0	0	70	0	98	45	66	0	107	29	68	0	96	47	53	0	83	31	0	0	0	0	0
1400	40	0	41	0	42	0	47	0	0	0	0	0	92	0	166	35	91	0	173	26	94	0	140	54	82	0	144	39	0	0	0	0	0
1500	72	0	68	0	78	0	77	0	0	0	0	0	342	0	14	292	336	0	11	293	357	0	26	324	340	0	15	299	0	0	0	0	0
1600	58	0	52	0	80	0	83	0	0	0	0	0	12	0	80	321	8	0	91	298	9	0	49	332	351	0	51	300	0	0	0	0	0
1700	87	0	23	0	106	0	103	0	0	0	0	0	25	0	82	345	18	0	163	315	23	0	49	351	7	0	70	317	0	0	0	0	0
1800	104	0	101	0	133	0	133	0	0	0	0	0	34	0	56	13	29	0	68	3	31	0	49	8	13	0	42	340	0	0	0	0	0
1900	87	0	83	0	105	0	107	0	0	0	0	0	37	0	65	15	32	0	58	359	38	0	67	20	21	0	53	358	0	0	0	0	0
2000	72	0	75	0	92	0	101	0	0	0	0	0	49	0	69	30	45	0	76	12	48	0	68	25	31	0	59	11	0	0	0	0	0
2100	59	0	55	0	86	0	87	0	0	0	0	0	85	0	110	67	84	0	110	60	89	0	106	72	74	0	88	59	0	0	0	0	0
2200	56	0	54	0	78	0	78	0	0	0	0	0	80	0	95	71	77	0	91	59	88	0	97	82	75	0	86	69	0	0	0	0	0
2300	65	0	65	0	75	0	81	0	0	0	0	0	81	0	103	65	79	0	120	58	81	0	102	62	66	0	94	50	0	0	0	0	0
2400	76	0	73	0	96	0	98	0	0	0	0	0	98	0	129	72	97	0	136	57	98	0	139	76	84	0	122	64	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MIS 6	S	MISC 7	S	2MIN	S
100	258	0	249	0	247		242	0	320	0	320	0	-9	0	-7	0	0	0	0	0	236	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
200	256	0	247	0	245		[illegible]		320	0	320	0	-9	0	-7	0	0	0	0	0	236	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
300	254	0	247	0	245		[illegible]		320	0	320	0	-9	0	-7	0	0	0	0	0	236	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
400	254	0	245	0	243	0	238	0	320	0	320	0	-9	0	-7	0	0	0	0	0	236	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
500	252	0	243	0	243	0	236	0	320	0	320	0	-9	0	-7	0	0	0	0	0	234	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
600	249	0	242	0	238	0	233	0	320	0	320	0	-9	0	-7	0	0	0	0	0	234	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
700	243	0	236	0	233	0	229	0	320	0	320	0	-9	0	-7	0	0	0	0	0	233	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
800	243	0	234	0	231	0	227	0	320	0	320	0	-11	0	-9	0	0	0	0	0	236	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
900	256	0	251	0	245	0	238	0	320	0	320	0	-13	0	-11	0	0	0	0	0	247	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1000	272	0	267	0	254	0	249	0	320	0	320	0	-16	0	-16	0	0	0	0	0	261	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1100	281	0	276	0	263	0	260	0	320	0	320	0	-16	0	-16	0	0	0	0	0	261	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0
1200	287	0	281	0	270	0	267	0	320	0	320	0	-16	0	-16	0	0	0	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	0	137	0
1300	296	0	288	0	279	0	274	0	320	0	320	0	-16	0	-14	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	138	0
1400	312	0	306	0	299	0	294	0	320	0	320	0	-11	0	-11	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	138	0
1500	30[illegible]	0	297	0	294	0	288	0	320	0	320	0	-11	0	-9	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1600	36[illegible]	0	299	0	292	0	288	0	320	0	320	0	-13	0	-13	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1700	303	0	297	0	292	0	288	0	320	0	320	0	-9	0	-7	0	0	0	0	0	260	0	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1800	303	0	296	0	292	0	287	0	320	0	320	0	-9	0	-9	0	0	0	0	0	260	0	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1900	299	0	290	0	287	0	281	0	320	0	320	0	-11	0	-9	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2000	292	0	283	0	281	0	278	0	320	0	320	0	-9	0	-7	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2100	287	0	279	0	288	0	283	0	320	0	320	0	2	0	5	0	0	0	0	0	247	0	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2200	283	0	274	0	281	0	278	0	320	0	320	0	2	0	5	0	0	0	0	0	245	0	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2300	290	0	281	0	281	0	276	0	320	0	320	0	-9	0	-7	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2400	288	0	281	0	279	0	274	0	320	0	320	0	-9	0	-7	0	0	0	0	0	256	0	0	0	0	0	0	0	0	0	0	0	0	0	139	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	68	0	65	0	83	0	85	0	0	0	0	0	95	3	133	75	92	0	148	51	99	0	121	85	84	0	105	71	0	0	0	0	0	0	0	0	0
200	76	0	71	0	100	0	101	0	0	0	0	0	90	3	112	68	90	0	129	69	91	0	109	79	77	0	89	66	0	0	0	0	0	0	0	0	0
300	72	0	65	0	96	0	96	0	0	0	0	0	103	0	123	78	103	0	140	70	102	0	121	85	87	0	106	65	0	0	0	0	0	0	0	0	0
400	78	0	72	0	88	0	91	0	0	0	0	0	103	0	127	77	103	0	135	74	103	0	128	84	89	0	112	72	0	0	0	0	0	0	0	0	0
500	95	0	91	0	107	0	107	0	0	0	0	0	85	0	109	61	84	0	117	50	89	0	96	63	69	0	85	59	0	0	0	0	0	0	0	0	0
600	91	0	85	0	112	0	113	0	0	0	0	0	94	0	122	74	92	0	132	85	92	0	115	73	77	0	101	55	0	0	0	0	0	0	0	0	0
700	114	0	106	0	146	0	147	0	0	0	0	0	93	1	131	76	89	0	128	61	94	0	107	78	80	0	101	69	0	0	0	0	0	0	0	0	0
800	96	0	92	0	108	0	114	0	0	0	0	0	118	0	149	98	117	0	153	85	121	0	146	97	108	0	128	72	0	0	0	0	0	0	0	0	0
900	120	0	117	0	132	0	141	0	0	0	0	0	114	0	132	87	115	0	150	87	117	0	133	95	104	0	122	75	0	0	0	0	0	0	0	0	0
1000	119	0	117	0	139	0	140	0	0	0	0	0	123	0	170	104	129	0	153	97	124	0	143	105	111	0	128	90	0	0	0	0	0	0	0	0	0
1100	151	0	145	0	167	0	172	0	0	0	0	0	116	0	134	92	116	0	145	90	116	0	140	102	103	0	126	83	0	0	0	0	0	0	0	0	0
1200	107	0	102	0	119	0	124	0	0	0	0	0	123	0	152	102	123	0	146	98	123	0	144	97	111	0	133	85	0	0	0	0	0	0	0	0	0
1300	92	0	87	0	102	0	106	0	0	0	0	0	112	0	140	81	112	0	141	80	117	0	154	99	104	0	136	84	0	0	0	0	0	0	0	0	0
1400	120	0	113	0	146	0	148	0	0	0	0	0	101	0	122	78	100	0	131	74	101	0	121	70	87	0	107	67	0	0	0	0	0	0	0	0	0
1500	152	0	147	0	185	0	187	0	0	0	0	0	94	0	117	73	93	0	121	66	95	0	120	80	80	0	104	56	0	0	0	0	0	0	0	0	0
1600	148	0	141	0	172	0	174	0	0	0	0	0	101	0	121	73	103	0	147	59	103	0	133	76	89	0	128	64	0	0	0	0	0	0	0	0	0
1700	164	0	153	0	188	0	191	0	0	0	0	0	113	0	130	91	115	0	144	94	111	0	127	90	98	0	120	70	0	0	0	0	0	0	0	0	0
1800	158	0	150	0	200	0	199	0	0	0	0	0	103	0	126	80	105	0	135	69	103	0	118	85	91	0	113	72	0	0	0	0	0	0	0	0	0
1900	165	0	155	0	198	0	203	0	0	0	0	0	114	0	129	91	114	0	141	84	116	0	131	96	102	0	116	84	0	0	0	0	0	0	0	0	0
2000	135	0	129	0	160	0	169	0	0	0	0	0	117	0	139	94	121	0	165	84	120	0	137	98	108	0	133	87	0	0	0	0	0	0	0	0	0
2100	82	0	78	0	101	0	106	0	0	0	0	0	114	0	132	92	116	0	140	83	117	0	134	85	107	0	130	94	0	0	0	0	0	0	0	0	0
2200	128	0	123	0	160	0	160	0	0	0	0	0	112	0	128	92	112	0	149	75	111	0	123	96	102	0	118	86	0	0	0	0	0	0	0	0	0
2300	128	0	123	0	160	0	163	0	0	0	0	0	112	0	134	92	112	0	134	86	114	0	132	99	104	0	118	89	0	0	0	0	0	0	0	0	0
2400	12	0	12	0	16	0	17	0	0	0	0	0	213	0	269	90	207	3	268	98	174	5	236	117	161	0	223	95	0	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	281	0	279	0	279	0	269	0	320	0	320	0	-7	0	-5	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
200	279	0	267	0	287	0	263	0	320	0	320	0	-5	0	-4	0	0	0	0	0	247	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
300	279	0	267	0	265	0	261	0	320	0	320	0	-7	0	-5	0	0	0	0	0	247	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
400	276	0	269	0	267	0	261	0	320	0	320	0	-9	0	-7	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
500	279	0	267	0	263	0	258	0	320	0	320	0	-9	0	-7	0	0	0	0	0	249	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
600	272	0	265	0	263	0	258	0	320	0	320	0	-9	0	-7	0	0	0	0	0	249	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
700	279	0	267	0	263	0	258	0	320	0	320	0	-9	0	-7	0	0	0	0	0	249	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
800	281	0	272	0	269	0	263	0	320	0	320	0	-11	0	-9	0	0	0	0	0	254	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
900	285	0	279	0	278	0	269	0	320	0	320	0	-11	0	-9	0	0	0	0	0	254	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1000	294	0	288	0	285	0	276	0	320	0	320	0	-11	0	-9	0	0	0	0	0	260	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1100	301	0	296	0	292	0	283	0	320	0	320	0	-13	0	-11	0	0	0	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1200	306	0	299	0	294	0	288	0	320	0	320	0	-13	0	-11	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1300	308	0	301	0	296	0	292	0	320	0	320	0	-11	0	-9	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1400	305	0	297	0	294	0	288	0	320	0	320	0	-11	0	-9	0	0	0	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1500	308	0	301	0	297	0	292	0	320	0	320	0	-11	0	-9	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1600	322	0	314	0	308	0	305	0	320	0	320	0	-11	0	-9	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1700	331	0	324	0	320	0	314	0	320	0	320	0	-9	0	-9	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1800	338	0	331	0	327	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
1900	342	0	334	0	331	0	327	0	320	0	320	0	-9	0	-7	0	0	0	0	0	278	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
2000	336	0	329	0	327	0	322	0	320	0	320	0	-9	0	-7	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
2100	342	0	333	0	331	0	327	0	320	0	320	0	-7	0	-7	0	0	0	0	0	278	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
2200	336	0	331	0	327	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
2300	338	0	331	0	329	0	324	0	320	0	320	0	-7	0	-7	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	1	139	0
2400	331	0	324	0	327	0	322	0	320	0	320	0	-4	0	2	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	1	148	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX A	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX S	S	WIND DIR5	MIN	MAX S	S	WIND DIR6		
100	74	0	72	0	107	0	109	0	0	0	0	0	105	0	132	81	105	0	141	75	108	0	123	90	98	0	118	78	0	0	0	0	0	0	
200	140	0	132	0	173	0	182	0	0	0	0	0	116	0	130	99	116	0	148	93	121	0	135	103	111	0	130	95	0	0	0	0	0	0	
300	189	0	178	0	216	0	230	0	0	0	0	0	118	0	127	106	120	0	138	98	124	0	139	111	116	0	125	106	0	0	0	0	0	0	
400	181	0	175	0	204	0	217	0	0	0	0	0	118	0	133	105	118	0	137	96	124	0	137	110	114	0	129	105	0	0	0	0	0	0	
500	158	0	162	0	216	0	223	0	0	0	0	0	131	0	146	113	134	0	149	115	136	0	150	125	127	0	142	116	0	0	0	0	0	0	
600	136	0	136	0	184	0	190	0	0	0	0	0	131	0	153	110	133	0	152	109	142	0	161	127	133	0	151	116	0	0	0	0	0	0	
700	140	0	141	0	175	0	180	0	0	0	0	0	130	0	245	99	132	0	265	95	131	0	175	111	122	0	167	95	0	0	0	0	0	0	
800	82	0	85	0	132	0	137	0	0	0	0	0	138	0	163	109	140	0	169	112	154	0	176	135	144	0	167	120	0	0	0	0	0	0	
900	102	0	109	0	158	0	165	0	0	0	0	0	136	0	153	122	139	0	165	118	153	0	166	143	143	0	155	129	0	0	0	0	0	0	
1000	81	0	81	0	138	0	129	0	0	0	0	0	160	0	196	108	158	0	212	108	172	0	196	151	161	0	185	141	0	0	0	0	0	0	
1100	60	0	59	0	86	0	83	0	0	0	0	0	158	0	204	117	157	0	216	114	168	0	191	131	158	0	268	122	0	0	0	0	0	0	
1200	44	0	43	0	80	0	68	0	0	0	0	0	158	0	229	91	156	0	212	99	173	0	210	149	161	0	188	129	0	0	0	0	0	0	
1300	42	0	34	0	69	0	62	0	0	0	0	0	194	0	258	131	194	0	263	128	196	0	233	143	183	0	222	139	0	0	0	0	0	0	
1400	59	0	47	0	95	0	83	0	0	0	0	0	201	0	263	123	197	0	259	101	199	0	230	168	186	0	218	162	0	0	0	0	0	0	
1500	60	0	50	0	83	0	74	0	0	0	0	0	213	0	269	137	213	0	266	119	207	0	245	151	195	0	240	160	0	0	0	0	0	0	
1600	93	0	86	0	136	0	135	0	0	0	0	0	232	0	266	165	233	0	293	188	227	0	257	194	212	0	239	184	0	0	0	0	0	0	
1700	95	0	86	0	132	0	130	0	0	0	0	0	230	0	271	200	229	0	285	196	227	0	256	191	212	0	244	166	0	0	0	0	0	0	
1800	83	0	79	0	113	0	120	0	0	0	0	0	236	0	263	196	235	0	269	195	236	0	267	214	221	0	256	197	0	0	0	0	0	0	
1900	125	0	122	0	186	0	198	0	0	0	0	0	245	0	297	202	243	0	305	206	241	0	256	225	227	0	245	212	0	0	0	0	0	0	
2000	103	0	97	0	152	0	158	0	0	0	0	0	239	0	283	195	236	0	282	185	240	0	276	222	225	0	259	201	0	0	0	0	0	0	
2100	73	0	67	0	99	0	100	0	0	0	0	0	233	0	266	202	231	0	271	193	229	0	260	185	214	0	244	199	0	0	0	0	0	0	
2200	77	0	69	0	98	0	98	0	0	0	0	0	228	0	273	192	227	0	277	190	227	0	273	196	213	0	253	176	0	0	0	0	0	0	
2300	68	0	60	0	93	0	97	0	0	0	0	0	230	0	274	195	227	0	264	178	230	0	262	195	217	0	242	189	0	0	0	0	0	0	
2400	38	0	30	0	62	0	56	0	0	0	0	0	195	0	248	131	192	0	240	115	203	0	235	176	190	0	214	157	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	334	0	327	0	329	0	324	0	320	0	320	0	-5	0	-4	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
200	342	0	334	0	334	0	329	0	320	0	320	0	-5	0	-5	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	176	0
300	351	0	342	0	343	0	338	0	320	0	320	0	-7	0	-5	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	178	0
400	360	0	352	0	352	0	347	0	320	0	320	0	-7	0	-5	0	0	0	0	0	285	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
500	372	0	365	0	365	0	360	0	320	0	320	0	-5	0	-4	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	190	0
600	379	0	374	0	374	0	369	0	320	0	320	0	-5	0	-4	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
700	388	0	381	0	381	0	378	0	320	0	320	0	-5	0	-4	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
800	392	0	385	0	387	0	383	0	320	0	320	0	-4	0	-2	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	150	0
900	401	0	394	0	394	0	388	0	320	0	320	0	-7	0	-5	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1000	405	0	399	0	396	0	390	0	320	0	320	0	-9	0	-7	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1100	405	0	397	0	396	0	388	0	320	0	320	0	-11	0	-9	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1200	414	0	410	0	401	0	392	0	320	0	320	0	-16	0	-14	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1300	417	0	412	0	401	0	396	0	320	0	320	0	-14	0	-16	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1400	421	0	415	0	408	0	403	0	320	0	320	0	-13	0	-13	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1500	430	0	424	0	417	0	406	0	320	0	320	0	-18	0	-16	0	0	0	0	0	352	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1600	401	0	394	0	388	0	385	0	320	0	320	0	-11	0	-9	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1700	392	0	385	0	381	0	376	0	320	0	320	0	-11	0	-9	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1800	367	0	360	0	358	0	352	0	320	0	320	0	-7	0	-5	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1900	352	0	345	0	349	0	343	0	320	0	320	0	-2	0	0	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
2000	349	0	342	0	342	0	336	0	320	0	320	0	-5	0	-5	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
2100	351	0	343	0	342	0	336	0	320	0	320	0	-7	0	-5	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
2200	345	0	340	0	336	0	333	0	320	0	320	0	-7	0	-7	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
2300	336	0	329	0	327	0	322	0	320	0	320	0	-7	0	-7	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
2400	331	0	324	0	324	0	320	0	320	0	320	0	-5	0	-4	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	50 B	S	WIND DIR2	MIN	MAX	150A	S	WIND DIR3	MIN	MAX	150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	52	0	47	0	70	0	71	0	0	0	0	0	232	0	281	202		230	0	277	196		229	0	264	200		214	0	242	176		0	0	0	0	0	0
200	41	0	34	0	60	0	57	0	0	0	0	0	221	0	269	154		221	0	265	130		218	0	247	197		204	0	235	184		0	0	0	0	0	0
300	54	0	44	0	73	0	73	0	0	0	0	0	228	0	292	194		228	0	305	181		224	0	253	200		210	0	239	178		0	0	0	0	0	0
400	47	0	38	0	63	0	59	0	0	0	0	0	214	0	259	164		212	0	257	161		215	0	247	194		203	0	232	178		0	0	0	0	0	0
500	31	0	24	0	40	0	36	0	0	0	0	0	221	0	265	176		217	3	268	157		211	0	234	177		198	0	220	159		0	0	0	0	0	0
600	50	0	48	0	66	0	71	0	0	0	0	0	241	0	282	207		240	0	274	202		240	0	268	196		225	0	253	193		0	0	0	0	0	0
700	70	0	67	0	88	0	94	0	0	0	0	0	248	0	274	199		245	0	288	185		252	0	273	236		237	0	253	216		0	0	0	0	0	0
800	68	0	66	0	83	0	88	0	0	0	0	0	253	0	286	222		250	0	277	211		258	0	275	249		243	0	257	224		0	0	0	0	0	1
900	45	0	41	0	57	0	60	0	0	0	0	0	238	0	271	198		235	0	278	188		233	0	269	188		219	0	242	190		0	0	0	0	0	0
1000	36	0	36	0	37	0	40	0	0	0	0	0	249	0	298	183		247	0	298	206		238	0	257	185		224	0	261	163		0	0	0	0	0	0
1100	64	0	64	0	64	0	71	0	0	0	0	0	265	0	286	225		262	0	283	236		270	0	282	248		254	0	268	241		0	0	0	0	0	0
1200	61	0	61	0	65	0	71	0	0	0	0	0	261	0	292	229		255	0	297	204		271	0	285	256		253	0	270	238		0	0	0	0	0	0
1300	37	0	36	0	39	0	42	0	0	0	0	0	256	0	319	200		253	0	322	199		271	0	313	239		254	0	301	224		0	0	0	0	0	0
1400	77	0	78	0	89	0	96	0	0	0	0	0	264	0	288	246		261	0	277	238		273	0	280	268		256	0	261	252		0	0	0	0	0	0
1500	114	0	114	0	128	0	134	0	0	0	0	0	268	0	308	245		264	0	308	230		279	0	304	258		262	0	291	241		0	0	0	0	0	0
1600	119	0	124	0	158	0	169	0	0	0	0	0	266	0	286	247		263	0	292	243		269	0	277	250		254	0	265	235		0	0	0	0	0	0
1700	153	0	162	0	206	0	218	0	0	0	0	0	266	0	282	246		263	0	280	237		271	0	278	263		255	0	262	247		0	0	0	0	0	0
1800	209	0	214	0	232	0	244	0	0	0	0	0	269	0	277	258		265	0	284	227		276	0	299	266		259	0	277	253		0	0	0	0	0	0
1900	244	0	253	0	278	0	276	0	0	0	0	0	269	0	276	257		265	0	278	250		277	0	296	269		260	0	277	251		0	0	0	0	0	0
2000	190	0	192	0	236	0	243	0	0	0	0	0	274	0	302	249		268	0	312	225		282	0	314	245		265	0	298	230		0	0	0	0	0	0
2100	182	0	185	0	231	0	240	0	0	0	0	0	277	0	301	255		270	0	305	229		287	0	323	234		268	0	308	229		0	0	0	0	0	0
2200	186	0	183	0	244	0	263	0	0	0	0	0	284	0	316	258		280	0	328	239		293	0	319	265		274	0	320	247		0	0	0	0	0	0
2300	188	0	186	0	248	0	266	0	0	0	0	0	285	0	311	252		279	0	312	242		294	0	335	256		275	0	307	229		0	0	0	0	0	0
2400	249	0	252	0	302	0	318	0	0	0	0	0	292	0	311	247		286	0	315	250		298	0	331	268		278	0	312	247		0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	327	0	320	0	317	0	312	0	320	0	320	0	-9	0	-7	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
200	322	0	314	0	312	0	306	0	320	0	320	0	-9	0	-7	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	190	0
300	315	0	308	0	306	0	301	0	320	0	320	0	-7	0	-7	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
400	314	0	306	0	305	0	299	0	320	0	320	0	-7	0	-5	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
500	310	0	303	0	303	0	297	0	320	0	320	0	-7	0	-5	0	0	0	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	0	190	0
600	310	0	303	0	299	0	296	0	320	0	320	0	-9	0	-7	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
700	306	0	299	0	296	0	290	0	320	0	320	0	-9	0	-7	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
800	305	0	297	0	294	0	290	0	320	0	320	0	-9	0	-7	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
900	306	0	299	0	296	0	290	0	320	0	320	0	-9	0	-7	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1000	308	0	301	0	299	0	294	0	320	0	320	0	-9	0	-7	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0
1100	312	0	305	0	303	0	297	0	320	0	320	0	-9	0	-7	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	181	0
1200	314	0	306	0	305	0	301	0	320	0	320	0	-7	0	-5	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	181	0
1300	314	0	306	0	308	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	181	0
1400	312	0	305	0	306	0	303	0	320	0	320	0	-7	0	-5	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	181	0
1500	315	0	308	0	308	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	181	0
1600	315	0	308	0	310	0	306	0	320	0	320	0	-7	0	-5	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	181	0
1700	315	0	308	0	312	0	308	0	320	0	320	0	-5	0	-4	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	181	0
1800	317	0	308	0	315	0	312	0	320	0	320	0	-7	0	-4	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	181	0
1900	322	0	310	0	314	0	308	0	320	0	320	0	-7	0	-4	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	181	0
2000	320	0	312	0	312	0	306	0	320	0	320	0	-7	0	-4	0	0	0	0	0	257	0	0	0	0	0	0	0	0	0	0	0	0	0	193	0
2100	322	0	310	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
2200	317	0	310	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	145	0
2300	312	0	305	0	299	0	296	0	320	0	320	0	-11	0	-9	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2400	312	0	305	0	303	0	297	0	320	0	320	0	-9	0	-7	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	211	2	213	2	271	2	287	2	0	0	0	0	287	2	314	255	282	2	358	238	295	2	324	251	274	2	304	241	0	0	0	0	0	0
200	250	0	243	0	312	0	325	0	0	0	0	0	294	0	308	271	288	0	321	257	300	0	325	274	279	0	301	253	0	0	0	0	0	0
300	272	0	260	0	336	0	351	0	0	0	0	0	295	0	317	273	288	0	319	253	303	0	315	289	281	0	296	269	0	0	0	0	0	0
400	266	0	250	0	347	0	358	0	0	0	0	0	296	0	307	284	288	0	314	245	305	0	312	288	283	0	289	277	0	0	0	0	0	0
500	244	0	229	0	332	0	346	0	0	0	0	0	296	0	309	282	288	0	315	269	306	0	314	293	284	0	289	274	0	0	0	0	0	0
600	245	0	230	0	336	0	343	0	0	0	0	0	298	0	310	282	286	0	315	260	308	0	318	301	286	0	295	282	0	0	0	0	0	0
700	244	0	233	0	326	0	335	0	0	0	0	0	299	0	311	286	292	0	320	266	308	0	317	297	286	0	294	277	0	0	0	0	0	0
800	246	0	230	0	329	0	337	0	0	0	0	0	301	0	310	286	293	0	315	267	311	0	320	303	289	0	298	282	0	0	0	0	0	0
900	231	0	233	0	292	0	313	0	0	0	0	0	308	0	325	293	301	0	325	271	317	0	326	306	294	0	307	295	0	0	0	0	0	0
1000	244	0	238	0	317	0	331	0	0	0	0	0	305	0	320	291	297	0	325	276	315	0	333	303	293	0	311	287	0	0	0	0	0	0
1100	238	0	241	0	317	0	322	0	0	0	0	0	309	0	320	292	302	0	325	270	319	0	329	304	297	0	306	292	0	0	0	0	0	0
1200	2.8	0	239	0	306	0	311	0	0	0	0	0	313	0	327	300	304	0	329	272	322	0	334	303	300	0	312	285	0	0	0	0	0	0
1300	223	0	216	0	303	0	306	0	0	0	0	0	312	0	328	292	304	0	333	261	324	0	329	317	302	0	308	294	0	0	0	0	0	0
1400	243	0	245	0	308	0	314	0	0	0	0	0	307	0	323	293	301	0	327	274	316	0	329	306	294	0	309	285	0	0	0	0	0	0
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1600	196	0	199	0	251	0	253	0	0	0	0	0	313	0	327	294	305	0	332	271	325	0	330	319	303	0	308	297	0	0	0	0	0	0
1700	211	0	203	0	257	0	261	0	0	0	0	0	313	0	333	292	306	0	336	284	323	0	333	314	301	0	309	294	0	0	0	0	0	0
1800	162	0	160	0	202	0	206	0	0	0	0	0	304	0	318	292	298	0	316	280	314	0	321	308	291	0	299	286	0	0	0	0	0	0
1900	153	0	154	0	216	0	217	0	0	0	0	0	316	0	331	289	307	0	332	265	327	0	338	317	306	0	319	301	0	0	0	0	0	0
2000	149	0	139	0	195	0	201	0	0	0	0	0	295	0	313	275	287	0	312	260	304	0	314	291	283	0	294	268	0	0	0	0	0	0
2100	203	0	199	0	249	0	254	0	0	0	0	0	309	0	323	296	300	0	324	271	320	0	331	307	298	0	310	287	0	0	0	0	0	0
2200	138	0	135	0	192	0	189	0	0	0	0	0	340	0	21	321	332	0	9	297	340	0	354	337	326	0	337	312	0	0	0	0	0	0
2300	146	0	142	0	217	0	212	0	0	0	0	0	342	0	10	309	339	0	2	283	350	0	3	330	330	0	347	310	0	0	0	0	0	0
2400	140	0	132	0	200	0	194	0	0	0	0	0	350	0	14	329	343	0	21	310	355	0	39	336	335	0	353	322	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	310	2	305	2	299	2	296	2	320	0	320	0	-9	2	-9	2	0	0	0	0	269	2	0	0	0	0	0	0	0	0	0	0	0	0	186	0
200	310	0	303	0	299	0	294	0	320	0	320	0	-11	0	-9	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
300	310	0	303	0	297	0	294	0	320	0	320	0	-11	0	-9	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
400	312	0	305	0	299	0	296	0	320	0	320	0	-11	0	-9	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
500	310	0	303	0	297	0	294	0	320	0	320	0	-11	0	-9	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
600	312	0	305	0	299	0	296	0	320	0	320	0	-11	0	-9	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
700	306	0	299	0	296	0	290	0	320	0	320	0	-11	0	-7	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
800	314	0	306	0	308	0	299	0	320	0	320	0	-9	0	-7	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
900	322	0	310	0	312	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1000	322	0	310	0	312	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1100	317	0	310	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1200	320	0	312	0	315	0	306	0	320	0	320	0	-7	0	-5	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1300	317	0	310	0	308	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1400	314	0	306	0	305	0	301	0	320	0	320	0	-9	0	-7	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	322	0	314	0	314	0	308	0	320	0	320	0	-7	0	-5	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1700	308	0	301	0	297	0	292	0	320	0	320	0	-9	0	-7	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1800	320	0	312	0	312	0	306	0	320	0	320	0	-7	0	-5	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1900	325	0	317	0	317	0	312	0	320	0	320	0	-7	0	-5	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2000	325	0	322	0	322	0	315	0	320	0	320	0	-4	0	-2	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2100	334	0	329	0	334	0	329	0	320	0	320	0	0	0	2	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2200	325	0	322	0	320	0	314	0	320	0	320	0	-5	0	-4	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2300	324	0	317	0	320	0	314	0	320	0	320	0	-4	0	-2	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2400	317	0	310	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	109	0	105	0	163	0	162	0	0	0	0	0	329	0	346	290	318	0	346	291	338	0	355	332	317	0	323	308	0	0	0	0	0	0
200	114	0	113	0	171	0	169	0	0	0	0	0	321	0	342	293	311	0	337	281	334	0	344	314	314	0	327	303	0	0	0	0	0	0
300	145	0	139	0	200	0	196	0	0	0	0	0	337	0	356	312	329	0	352	283	345	0	355	332	324	0	335	298	0	0	0	0	0	0
400	122	0	119	0	181	0	178	0	0	0	0	0	341	0	5	314	335	0	3	294	348	0	359	337	328	0	335	317	0	0	0	0	0	0
500	135	0	128	0	171	0	176	0	0	0	0	0	301	0	328	275	293	0	322	264	308	0	331	280	287	0	309	274	0	0	0	0	0	0
600	128	0	127	0	182	0	183	0	0	0	0	0	319	0	329	298	307	0	332	276	328	0	338	321	307	0	318	297	0	0	0	0	0	0
700	133	0	132	0	192	0	189	0	0	0	0	0	337	0	355	303	330	0	2	299	345	0	359	330	325	0	351	311	0	0	0	0	0	0
800	129	0	132	0	185	0	183	0	0	0	0	0	343	0	8	316	337	0	11	304	349	0	359	329	330	0	343	312	0	0	0	0	0	0
900	134	0	132	0	173	0	170	0	0	0	0	0	342	0	4	326	336	0	5	311	343	0	2	333	328	0	345	311	0	0	0	0	0	0
1000	73	0	67	0	101	0	97	0	0	0	0	0	352	0	126	289	351	0	84	287	1	0	51	319	344	0	20	311	0	0	0	0	0	0
1100	103	0	100	0	125	0	124	0	0	0	0	0	342	0	12	279	334	0	0	282	351	0	6	337	330	0	343	312	0	0	0	0	0	0
1200	82	0	81	0	95	0	95	0	0	0	0	0	338	0	4	294	329	0	358	274	352	0	21	331	332	0	19	312	0	0	0	0	0	0
1300	72	0	70	0	74	0	74	0	0	0	0	0	339	0	11	309	331	0	14	300	346	0	6	320	325	0	344	311	0	0	0	0	0	0
1400	44	0	46	0	60	0	62	0	0	0	0	0	31[illegible]	0	355	257	308	0	355	215	331	0	4	296	311	0	346	267	0	0	0	0	0	0
1500	44	0	42	0	47	0	49	0	0	0	0	0	291	0	352	226	284	0	343	190	327	0	12	295	308	0	3	271	0	0	0	0	0	0
1600	47	0	49	0	54	0	57	0	0	0	0	0	324	0	2	273	314	0	354	253	331	0	5	302	309	0	332	275	0	0	0	0	0	0
1700	36	0	35	0	37	0	39	0	0	0	0	0	300	0	359	257	291	0	355	240	322	0	347	294	303	0	342	257	0	0	0	0	0	0
1800	25	0	26	0	25	0	27	0	0	0	0	0	306	0	346	240	301	0	348	223	332	0	5	270	312	0	347	258	0	0	0	0	0	0
1900	38	0	44	0	36	0	43	0	0	0	0	0	70	0	86	54	66	0	82	45	61	0	71	42	61	0	92	50	0	0	0	0	0	0
2000	51	0	50	0	70	0	70	0	0	0	0	0	95	0	103	87	93	0	104	84	86	0	92	78	72	0	78	62	0	0	0	0	0	0
2100	66	0	66	0	90	0	92	0	0	0	0	0	112	0	123	95	112	0	126	97	106	0	111	99	93	0	98	76	0	0	0	0	0	0
2200	61	0	64	0	84	0	88	0	0	0	0	0	148	0	167	130	148	0	175	131	141	0	153	130	128	0	141	120	0	0	0	0	0	0
2300	69	0	67	0	115	0	120	0	0	0	0	0	158	0	179	131	157	0	203	125	168	0	176	160	156	0	162	152	0	0	0	0	0	0
2400	57	0	56	0	94	0	99	0	0	0	0	0	139	0	149	124	134	0	148	124	158	0	163	152	149	0	157	141	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	317	0	310	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	136	0
200	322	0	314	0	314	0	310	0	320	0	320	0	-5	0	-4	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	136	0
300	322	0	314	0	315	0	310	0	320	0	320	0	-5	0	-4	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	136	0
400	320	0	310	0	312	0	306	0	320	0	320	0	-5	0	-4	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	136	0
500	320	0	310	0	312	0	306	0	320	0	320	0	-5	0	-4	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	136	0
600	322	0	310	0	310	0	305	0	320	0	320	0	-7	0	-5	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	136	0
700	322	0	310	0	312	0	306	0	320	0	320	0	-5	0	-4	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	136	0
800	322	0	314	0	315	0	308	0	320	0	320	0	-7	0	-5	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	137	0
900	325	0	322	0	315	0	312	0	320	0	320	0	-7	0	-5	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1000	338	0	333	0	329	0	325	0	320	0	320	0	-9	0	-7	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	188	0
1100	336	0	329	0	333	0	327	0	320	0	320	0	-2	0	2	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	188	0
1200	336	0	329	0	336	0	331	0	320	0	320	0	0	0	2	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
1300	347	0	342	0	343	0	340	0	320	0	320	0	-4	0	0	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1400	360	0	354	0	334	0	333	0	320	0	320	0	-25	0	-22	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1500	352	0	347	0	343	0	340	0	320	0	320	0	-9	0	-5	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1600	360	0	352	0	340	0	336	0	320	0	320	0	-20	0	-16	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1700	351	0	343	0	336	0	334	0	320	0	320	0	-13	0	-9	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1800	342	0	333	0	329	0	325	0	320	0	320	0	-13	0	-9	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1900	315	0	303	0	308	0	303	0	320	0	320	0	-5	0	0	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2000	310	0	301	0	315	0	310	0	320	0	320	0	5	0	11	0	0	0	0	0	261	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2100	305	0	296	0	310	0	305	0	320	0	320	0	7	0	11	0	0	0	0	0	261	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2200	292	0	283	0	310	0	305	0	320	0	320	0	18	0	22	0	0	0	0	0	258	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2300	288	0	281	0	315	0	310	0	320	0	320	0	27	0	29	0	0	0	0	0	258	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2400	278	0	269	0	325	0	320	0	320	0	320	0	49	0	52	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	65	0	64	0	113	0	117	0	0	0	0	0	153	0	172	131	152	0	179	119	168	0	169	159	153	0	159	151	0	0	0	0	0	0
200	64	0	66	0	97	0	102	0	0	0	0	0	172	0	194	147	172	0	207	121	170	0	173	167	157	0	159	152	0	0	0	0	0	0
300	69	0	69	0	92	0	96	0	0	0	0	0	160	0	176	147	159	0	186	134	168	0	173	163	156	0	162	152	0	0	0	0	0	0
400	66	0	65	0	97	0	101	0	0	0	0	0	144	0	156	134	144	0	187	131	169	0	175	166	156	0	162	152	0	0	0	0	0	0
500	69	0	70	0	125	0	130	0	0	0	0	0	135	0	143	126	138	0	143	125	156	0	159	152	147	0	155	141	0	0	0	0	0	0
600	69	0	70	0	124	0	128	0	0	0	0	0	131	0	137	122	132	0	141	117	159	0	161	157	151	0	154	144	0	0	0	0	0	0
700	69	0	71	0	142	0	144	0	0	0	0	0	139	0	157	126	141	0	156	124	171	0	178	167	159	0	166	154	0	0	0	0	0	0
800	60	0	61	0	101	0	105	0	0	0	0	0	108	0	120	90	110	0	126	90	141	0	153	122	129	0	141	117	0	0	0	0	0	0
900	67	0	69	0	68	0	74	0	0	0	0	0	121	0	139	100	124	0	142	96	136	0	155	116	123	0	145	112	0	0	0	0	0	0
1000	62	0	65	0	79	0	80	0	0	0	0	0	129	0	164	107	131	0	168	107	137	0	158	113	124	0	147	98	0	0	0	0	0	0
1100	54	0	62	0	95	0	94	0	0	0	0	0	148	0	240	111	152	0	249	96	166	0	209	124	154	0	195	112	0	0	0	0	0	0
1200	90	0	99	0	131	0	135	0	0	0	0	0	142	0	184	102	143	0	194	102	155	0	179	125	142	0	168	121	0	0	0	0	0	0
1300	91	0	95	0	100	0	102	0	0	0	0	0	103	0	141	57	105	0	147	64	111	0	148	65	98	0	124	66	0	0	0	0	0	0
1400	74	0	78	0	83	0	91	0	0	0	0	0	116	0	157	66	115	0	162	51	121	0	153	76	110	0	140	64	0	0	0	0	0	0
1500	73	0	78	0	90	0	92	0	0	0	0	0	129	0	170	104	132	0	187	102	136	0	167	105	124	0	154	92	0	0	0	0	0	0
1600	67	0	73	0	87	0	89	0	0	0	0	0	134	0	193	107	130	0	170	108	141	0	167	121	128	0	154	109	0	0	0	0	0	0
1700	73	0	79	0	89	0	95	0	0	0	0	0	126	0	158	99	130	0	171	101	134	0	153	113	122	0	142	91	0	0	0	0	0	0
1800	73	0	75	0	93	0	97	0	0	0	0	0	112	0	146	83	113	0	163	78	115	0	150	85	106	0	131	76	0	0	0	0	0	0
1900	59	0	62	0	72	0	76	0	0	0	0	0	121	0	134	97	125	0	147	98	122	0	131	104	110	0	123	91	0	0	0	0	0	0
2000	75	0	76	0	96	0	100	0	0	0	0	0	113	0	128	92	116	0	142	88	118	0	136	99	108	0	119	95	0	0	0	0	0	0
2100	72	0	73	0	92	0	95	0	0	0	0	0	115	0	130	94	116	0	138	86	120	0	136	105	110	0	123	89	0	0	0	0	0	0
2200	105	0	107	0	139	0	140	0	0	0	0	0	92	0	120	71	92	0	126	68	93	0	107	76	80	0	97	58	0	0	0	0	0	0
2300	77	0	78	0	102	0	106	0	0	0	0	0	109	0	128	86	111	0	140	82	107	0	124	90	96	0	115	77	0	0	0	0	0	0
2400	89	0	88	0	122	0	124	0	0	0	0	0	99	0	124	78	99	0	134	72	100	0	122	89	87	0	110	67	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	276	0	269	0	329	0	324	0	320	0	320	0	52	0	56	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
200	294	0	287	0	338	0	333	0	320	0	320	0	43	0	47	0	0	0	0	0	260	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
300	279	0	270	0	338	0	333	0	320	0	320	0	59	0	61	0	0	0	0	0	254	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
400	269	0	260	0	329	0	325	0	320	0	320	0	63	0	65	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
500	261	0	252	0	315	0	310	0	320	0	320	0	54	0	58	0	0	0	0	0	247	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
600	261	0	252	0	329	0	324	0	320	0	320	0	67	0	68	0	0	0	0	0	247	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
700	263	0	254	0	325	0	320	0	320	0	320	0	61	0	63	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
800	283	0	278	0	312	0	308	0	320	0	320	0	29	0	31	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
900	329	0	322	0	314	0	310	0	320	0	320	0	-13	0	-11	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1000	358	0	351	0	338	0	334	0	320	0	320	0	-18	0	-16	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1100	401	0	396	0	370	0	367	0	320	0	320	0	-29	0	-29	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1200	414	0	408	0	385	0	379	0	320	0	320	0	-29	0	-27	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1300	423	0	417	0	408	0	405	0	320	0	320	0	-13	0	-13	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1400	441	0	435	0	423	0	419	0	320	0	320	0	-16	0	-16	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1500	430	0	424	0	415	0	412	0	320	0	320	0	-14	0	-13	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1600	437	0	432	0	421	0	415	0	320	0	320	0	-16	0	-16	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1700	426	0	419	0	414	0	408	0	320	0	320	0	-13	0	-11	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1800	417	0	410	0	406	0	401	0	320	0	320	0	-9	0	-9	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1900	406	0	399	0	399	0	394	0	320	0	320	0	-7	0	-7	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2000	401	0	394	0	392	0	388	0	320	0	320	0	-7	0	-7	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2100	388	0	379	0	379	0	374	0	320	0	320	0	-9	0	-7	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2200	383	0	376	0	376	0	370	0	320	0	320	0	-7	0	-5	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2300	378	0	370	0	369	0	363	0	320	0	320	0	-9	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2400	374	0	367	0	365	0	360	0	320	0	320	0	-7	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	3	S	WIND DIR2	MIN	MAX	150A	S	WIND DIR3	MIN	MAX	150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	131	0	129	0	175	0	176	0	0	0	0	0	100	0	124	87		101	0	1[illegible]	76		101	0	121	77		88	0	115	66		0	0	0	0	0	0	
200	129	0	121	0	168	0	172	0	0	0	0	0	105	0	125	79		106	0	130	68		105	0	121	84		93	0	109	72		0	0	0	0	0	0	
300	105	0	103	0	147	0	148	0	0	0	0	0	101	0	125	77		100	0	142	50		103	0	122	88		92	0	113	78		0	0	0	0	1	0	
400	108	0	106	0	148	0	148	0	0	0	0	0	94	0	109	73		92	0	124	72		93	0	109	80		82	0	97	68		0	0	0	0	0	0	
500	128	0	130	0	162	0	166	0	0	0	0	0	83	0	105	70		82	0	120	50		83	0	99	65		71	0	86	55		0	0	0	0	0	0	
600	155	0	149	0	205	0	204	0	0	0	0	0	89	0	113	74		88	0	120	50		89	0	110	69		76	0	100	58		0	0	0	0	0	0	
700	147	0	149	0	189	0	190	0	0	0	0	0	92	0	126	71		92	0	128	63		94	0	113	78		81	0	96	66		0	0	0	0	0	0	
800	141	0	145	0	179	0	183	0	0	0	0	0	84	0	116	66		84	0	130	43		34	0	108	66		73	0	92	51		0	0	0	0	0	0	
900	154	0	156	0	191	0	190	0	0	0	0	0	86	0	115	69		86	0	121	63		89	0	124	67		77	0	109	51		0	0	0	0	0	0	
1000	148	0	147	0	193	0	195	0	0	0	0	0	92	0	121	89		92	0	127	52		92	0	133	73		81	0	112	61		0	0	0	0	0	0	
1100	135	0	132	0	174	0	179	0	0	0	0	0	90	0	118	60		87	0	138	26		94	0	118	77		81	0	107	56		0	0	0	0	0	0	
1200	75	0	75	0	93	0	100	0	0	0	0	0	82	0	107	55		82	0	115	46		81	0	109	59		68	0	100	44		0	0	0	0	0	0	
1300	97	0	100	0	110	0	124	0	0	0	0	0	75	0	95	48		74	0	104	43		75	0	103	53		63	0	80	47		0	0	0	0	0	0	
1400	136	0	136	0	163	0	172	0	0	0	0	0	81	0	106	50		82	0	118	49		82	0	104	62		70	0	91	48		0	0	0	0	0	0	
1500	108	0	112	0	116	0	135	0	0	0	0	0	76	0	114	54		76	0	124	34		75	0	109	55		63	0	97	35		0	0	0	0	0	0	
1600	107	0	115	0	119	0	140	0	0	0	0	0	69	0	106	42		68	0	112	34		69	0	111	47		56	0	97	33		0	0	0	0	0	0	
1700	111	0	119	0	124	0	139	0	0	0	0	0	72	0	93	55		70	0	97	45		74	0	95	53		62	0	86	38		0	0	0	0	0	0	
1800	109	0	116	0	137	0	153	0	0	0	0	0	74	0	97	46		72	0	102	45		75	0	94	55		63	0	84	50		0	0	0	0	0	0	
1900	77	0	81	0	102	0	120	0	0	0	0	0	73	0	94	53		70	0	114	45		71	0	89	49		58	0	77	41		0	0	0	0	0	0	
2000	83	0	87	0	109	0	131	0	0	0	0	0	75	0	90	56		72	0	101	46		72	0	89	56		59	0	79	36		0	0	0	0	0	0	
2100	63	0	70	0	89	0	105	0	0	0	0	0	63	0	81	37		61	0	92	32		62	0	84	44		50	0	66	30		0	0	0	0	0	0	
2200	85	0	82	0	111	0	127	0	0	0	0	0	80	0	103	66		70	0	108	35		74	0	86	66		61	0	89	52		0	0	0	0	0	0	
2300	110	0	108	0	163	0	163	0	0	0	0	0	87	0	105	76		84	0	116	67		86	0	95	77		74	0	80	64		0	0	0	0	0	0	
2400	112	0	107	0	164	0	160	0	0	0	0	0	89	0	113	78		86	0	112	62		87	0	95	78		75	0	80	67		0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	372	0	365	0	363	0	358	0	320	0	320	0	-7	0	-5	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
200	369	0	361	0	361	0	356	0	320	0	320	0	-7	0	-5	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
300	361	0	352	0	352	0	349	0	320	0	320	0	-5	0	-4	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
400	356	0	349	0	347	0	342	0	320	0	320	0	-7	0	-5	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
500	343	0	336	0	336	0	331	0	320	0	320	0	-7	0	-5	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
600	338	0	331	0	329	0	325	0	320	0	320	0	-7	0	-5	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
700	342	0	334	0	333	0	329	0	320	0	320	0	-9	0	-7	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
800	349	0	342	0	338	0	333	0	320	0	320	0	-9	0	-7	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
900	361	0	352	0	349	0	345	0	320	0	320	0	-11	0	-9	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1000	374	0	367	0	363	0	360	0	320	0	320	0	-9	0	-7	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1100	381	0	374	0	372	0	367	0	320	0	320	0	-9	0	-7	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1200	390	0	383	0	379	0	376	0	320	0	320	0	-9	0	-7	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1300	388	0	381	0	378	0	374	0	320	0	320	0	-9	0	-7	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1400	397	0	392	0	385	0	379	0	320	0	320	0	-13	0	-11	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1500	412	0	405	0	399	0	394	0	320	0	320	0	-13	0	-11	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1600	423	0	415	0	410	0	405	0	320	0	320	0	-11	0	-11	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1700	433	0	426	0	421	0	415	0	320	0	320	0	-11	0	-11	0	0	0	0	0	369	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1800	433	0	428	0	424	0	417	0	320	0	320	0	-9	0	-9	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1900	414	0	405	0	406	0	401	0	320	0	320	0	-5	0	-4	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2000	392	0	385	0	390	0	385	0	320	0	320	0	0	0	2	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2100	376	0	369	0	374	0	369	0	320	0	320	0	0	0	2	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2200	360	0	352	0	363	0	358	0	320	0	320	0	4	0	5	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2300	347	0	340	0	354	0	349	0	320	0	320	0	7	0	11	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2400	333	0	325	0	338	0	333	0	320	0	320	0	5	0	7	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	
														50 B	S		150A	S		150B	S			S			S		
100	75	0	72	0	120	0	121	0	0	0	0	0	97	0	115	78	95	0	119	75	94	0	103	88	82	0	95	70	0	0	0	0	0	0	0	0
200	79	0	74	0	110	0	109	0	0	0	0	0	86	0	94	79	89	0	102	75	90	0	93	87	78	0	79	75	0	0	0	0	0	0	0	0
300	69	0	69	0	105	0	106	0	0	0	0	0	76	0	91	67	74	0	92	57	82	0	87	76	70	0	76	63	0	0	0	0	0	0	0	0
400	107	0	102	0	165	0	159	0	0	0	0	0	86	0	97	71	89	0	109	59	87	0	93	82	75	0	80	70	0	0	0	0	0	0	0	0
500	97	0	93	0	143	0	146	0	0	0	0	0	101	0	116	81	102	0	129	78	97	0	107	86	86	0	107	77	0	0	0	0	0	0	0	0
600	79	0	79	0	116	0	120	0	0	0	0	0	106	0	118	96	106	0	124	86	103	0	109	98	91	0	97	85	0	0	0	0	0	0	0	0
700	86	0	81	0	115	0	115	0	0	0	0	0	93	0	108	74	91	0	110	64	93	0	100	85	81	0	91	73	0	0	0	0	0	0	0	0
800	118	0	112	0	138	0	140	0	0	0	0	0	105	0	127	79	103	0	134	66	102	0	120	84	93	0	117	73	0	0	0	0	0	0	0	0
900	111	0	107	0	116	0	120	0	0	0	0	0	117	0	145	100	117	0	153	96	116	0	138	98	106	0	130	84	0	0	0	0	0	0	0	0
1000	66	0	61	0	64	0	68	0	0	0	0	0	120	0	142	90	123	0	150	84	126	0	156	98	116	0	145	83	0	0	0	0	0	0	0	0
1100	66	0	64	0	76	0	79	0	0	0	0	0	119	0	156	76	118	0	153	63	123	0	155	85	112	0	155	71	0	0	0	0	0	0	0	0
1200	77	0	72	0	84	0	87	0	0	0	0	0	124	0	172	71	123	0	162	52	121	0	156	58	111	0	153	48	0	0	0	0	0	0	0	0
1300	68	0	62	0	74	0	76	0	0	0	0	0	111	0	179	61	111	0	150	57	113	0	179	69	102	0	175	11	0	0	0	0	0	0	0	0
1400	54	0	54	0	73	0	78	0	0	0	0	0	106	0	178	36	106	0	179	49	109	0	175	65	101	0	158	56	0	0	0	0	0	0	0	0
1500	72	0	72	0	91	0	94	0	0	0	0	0	131	0	201	92	132	0	204	90	134	0	176	97	124	0	158	88	0	0	0	0	0	0	0	0
1600	104	0	100	0	115	0	119	0	0	0	0	0	113	0	157	78	113	0	158	61	119	0	151	86	109	0	151	74	0	0	0	0	0	0	0	0
1700	116	0	109	0	128	0	131	0	0	0	0	0	110	0	139	81	111	0	145	72	112	0	131	87	102	0	134	79	0	0	0	0	0	0	0	0
1800	109	0	102	0	122	0	123	0	0	0	0	0	115	0	129	91	115	0	145	73	115	0	137	79	105	0	131	77	0	0	0	0	0	0	0	0
1900	101	0	93	0	130	0	133	0	0	0	0	0	113	0	133	81	114	0	147	89	114	0	131	93	103	0	122	78	0	0	0	0	0	0	0	0
2000	119	0	110	0	139	0	147	0	0	0	0	0	116	0	132	102	118	0	144	99	120	0	148	97	110	0	125	93	0	0	0	0	0	0	0	0
2100	117	0	113	0	138	0	146	0	0	0	0	0	122	0	137	105	122	0	143	89	123	0	134	110	114	0	130	96	0	0	0	0	0	0	0	0
2200	107	0	104	0	132	0	139	0	0	0	0	0	125	0	144	108	121	0	149	103	132	0	152	107	122	0	140	101	0	0	0	0	0	0	0	0
2300	130	0	122	0	159	0	166	0	0	0	0	0	114	0	130	94	115	0	137	86	115	0	131	98	105	0	121	91	0	0	0	0	0	0	0	0
2400	155	0	152	0	184	0	191	0	0	0	0	0	124	0	138	108	124	0	146	102	125	0	148	108	115	0	137	96	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PAIN	S
100	325	0	317	0	329	0	324	0	320	0	320	0	4	0	7	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
200	315	0	306	0	322	0	315	0	320	0	320	0	7	0	11	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
300	305	0	296	0	310	0	306	0	320	0	320	0	7	0	11	0	0	0	0	0	260	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
400	296	0	288	0	303	0	299	0	320	0	320	0	9	0	11	0	0	0	0	0	258	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
500	283	0	276	0	287	0	281	0	320	0	320	0	4	0	5	0	0	0	0	0	258	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
600	276	0	267	0	279	0	276	0	320	0	320	0	5	0	9	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
700	269	0	261	0	265	0	260	0	320	0	320	0	-4	0	2	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
800	278	0	270	0	265	0	258	0	320	0	320	0	-14	0	-13	0	0	0	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
900	299	0	292	0	285	0	281	0	320	0	320	0	-14	0	-13	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1000	343	0	336	0	327	0	324	0	320	0	320	0	-16	0	-14	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1100	379	0	374	0	358	0	351	0	320	0	320	0	-23	0	-23	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1200	403	0	397	0	379	0	376	0	320	0	320	0	-23	0	-22	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1300	419	0	414	0	403	0	397	0	320	0	320	0	-16	0	-16	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1400	446	0	441	0	421	0	415	0	320	0	320	0	-25	0	-25	0	0	0	0	0	349	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1500	448	0	441	0	428	0	424	0	320	0	320	0	-18	0	-18	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1600	457	0	450	0	441	0	433	0	320	0	320	0	-14	0	-14	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1700	460	0	455	0	450	0	441	0	320	0	320	0	-13	0	-13	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1800	459	0	451	0	446	0	441	0	320	0	320	0	-11	0	-9	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
1900	435	0	428	0	428	0	423	0	320	0	320	0	-5	0	-5	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2000	417	0	410	0	412	0	406	0	320	0	320	0	-5	0	-4	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2100	405	0	397	0	397	0	392	0	320	0	320	0	-5	0	-5	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2200	392	0	385	0	385	0	379	0	320	0	320	0	-7	0	-5	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2300	379	0	372	0	370	0	365	0	320	0	320	0	-7	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
2400	365	0	358	0	358	0	351	0	320	0	320	0	-9	0	-7	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	139	0	131	0	151	0	158	0	50	0	0	0	118	0	132	100	118	0	140	76	120	0	139	105	110	0	137	99	90	0	0	0	0	0
200	137	0	131	0	158	0	167	0	80	0	0	0	129	0	139	109	123	0	142	105	128	0	149	116	119	0	143	107	85	0	0	0	0	0
300	149	0	141	0	162	0	178	0	100	0	0	0	121	0	131	110	121	0	137	103	123	0	131	113	119	0	128	103	75	0	0	0	0	0
400	143	0	132	0	154	0	177	0	0	0	0	0	113	0	132	97	113	0	135	85	112	0	131	98	102	0	122	89	0	0	0	0	0	0
500	160	0	145	0	179	0	199	0	0	0	0	0	111	0	128	99	111	0	135	85	110	0	126	88	101	0	116	83	0	0	0	0	0	0
600	165	0	155	0	173	0	191	0	0	0	0	0	115	0	128	95	114	0	131	77	112	0	129	93	103	0	121	87	0	0	0	0	0	0
700	173	0	162	0	195	0	215	0	0	0	0	0	112	0	126	95	112	0	140	85	109	0	128	87	100	0	116	83	0	0	0	0	0	0
800	159	0	148	0	180	0	197	0	0	0	0	0	110	0	126	90	110	0	133	82	111	0	128	99	101	0	120	88	0	0	0	0	0	0
900	130	0	120	0	152	0	155	0	0	0	0	0	111	0	129	88	112	0	146	80	109	0	129	99	100	0	122	85	0	0	0	0	0	0
1000	138	0	126	0	164	0	168	0	0	0	0	0	107	0	128	77	106	0	138	83	104	0	131	83	99	0	136	66	0	0	0	0	0	0
1100	138	0	130	0	179	0	178	0	0	0	0	0	109	0	133	87	110	0	147	79	110	0	128	95	100	0	118	89	0	0	0	0	0	0
1200	126	0	125	0	160	0	161	0	0	0	0	0	98	0	133	80	100	0	151	69	102	0	130	80	91	0	127	75	0	0	0	0	0	0
1300	95	0	87	0	117	0	121	0	0	0	0	0	101	0	125	71	97	0	139	50	100	0	125	71	90	0	123	51	0	0	0	0	0	0
1400	125	0	123	0	149	0	148	0	0	0	0	0	91	0	118	67	90	0	135	55	99	0	116	80	83	0	118	62	0	0	0	0	0	0
1500	111	0	105	0	135	0	139	0	0	0	0	0	99	0	123	73	93	0	131	56	99	0	120	71	81	0	116	59	0	0	0	0	0	0
1600	138	0	130	0	169	0	169	0	0	0	0	0	109	0	128	79	102	0	132	60	103	0	127	83	93	0	122	61	0	0	0	0	0	0
1700	136	0	130	0	171	0	172	0	0	0	0	0	99	0	125	69	99	0	136	62	98	0	122	77	87	0	120	66	0	0	0	0	0	0
1800	120	0	119	0	146	0	147	0	0	0	0	0	97	0	125	77	98	0	140	62	93	0	111	73	84	0	167	63	0	0	0	0	0	0
1900	146	0	137	0	186	0	183	0	0	0	0	0	99	0	119	75	92	0	137	65	93	0	113	77	81	0	99	61	0	0	0	0	0	0
2000	149	0	135	0	188	0	190	0	0	0	0	0	99	0	119	79	98	0	130	69	98	0	124	72	87	0	110	60	0	0	0	0	0	0
2100	129	0	119	0	168	0	168	0	0	0	0	0	98	0	120	75	97	0	135	62	95	0	116	83	85	0	111	71	0	0	0	0	0	0
2200	119	0	119	0	150	0	152	0	0	0	0	0	100	0	115	80	99	0	129	71	98	0	108	77	85	0	103	67	0	0	0	0	0	0
2300	120	0	119	0	156	0	155	0	0	0	0	0	91	0	112	79	89	0	111	54	88	0	105	75	77	0	91	59	0	0	0	0	0	0
2400	119	0	108	0	138	0	139	0	0	0	0	0	87	0	117	70	85	0	122	59	88	0	119	71	75	0	97	56	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	360	0	352	0	349	0	343	0	320	0	320	0	-9	0	-7	0	-11	0	-5	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	191	0
200	345	0	338	0	338	0	333	0	320	0	320	0	-7	0	-5	0	-3	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	192	0
300	336	0	329	0	329	0	324	0	320	0	320	0	-7	0	-5	0	21	0	0	0	272	0	500	0	0	0	0	0	0	0	0	0	0	0	193	0
400	329	0	322	0	320	0	315	0	320	0	320	0	-7	0	-5	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0
500	331	0	324	0	320	0	315	0	320	0	320	0	-9	0	-7	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0
600	333	0	325	0	322	0	315	0	320	0	320	0	-9	0	-7	0	0	0	0	0	278	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0
700	334	0	327	0	324	0	322	0	320	0	320	0	-9	0	-7	0	0	0	0	0	278	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0
800	340	0	331	0	329	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0
900	338	0	331	0	329	0	324	0	320	0	320	0	-11	0	-7	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0
1000	347	0	340	0	334	0	329	0	320	0	320	0	-11	0	-9	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0
1100	367	0	361	0	354	0	351	0	320	0	320	0	-11	0	-11	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0
1200	392	0	387	0	378	0	372	0	320	0	320	0	-14	0	-14	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0
1300	403	0	396	0	388	0	383	0	320	0	320	0	-13	0	-11	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1400	399	0	392	0	387	0	381	0	320	0	320	0	-11	0	-9	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1500	396	0	388	0	383	0	379	0	320	0	320	0	-11	0	-9	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1600	388	0	381	0	376	0	372	0	320	0	320	0	-11	0	-9	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1700	388	0	381	0	378	0	374	0	320	0	320	0	-11	0	-9	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1800	379	0	374	0	372	0	367	0	320	0	320	0	-9	0	-7	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1900	379	0	372	0	370	0	365	0	320	0	320	0	-7	0	-7	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2000	378	0	369	0	367	0	361	0	320	0	320	0	-9	0	-7	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2100	376	0	369	0	367	0	363	0	320	0	320	0	-7	0	-5	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2200	383	0	376	0	376	0	370	0	320	0	320	0	-7	0	-5	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2300	383	0	378	0	378	0	370	0	320	0	320	0	-7	0	-5	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2400	383	0	376	0	374	0	370	0	320	0	320	0	-7	0	-7	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	S	MIN	MAX	WIND DIR6 S	S
100	130	0	122	0	156	0	159	0	0	0	0	0	88	0	113	68	86	0	110	53	84	0	115	64	72	0	105	60	0	0	0	0	0	0
200	137	0	131	0	170	0	176	0	0	0	0	0	84	0	98	64	82	0	112	42	82	0	104	69	71	0	103	53	0	0	0	0	0	0
300	119	0	115	0	141	0	148	0	0	0	0	0	82	0	98	61	80	0	105	56	80	0	103	64	69	0	87	50	0	0	0	0	0	0
400	116	0	114	0	140	0	148	0	0	0	0	0	79	0	91	66	76	0	109	60	77	0	99	61	65	0	79	53	0	0	0	0	0	0
500	135	0	132	0	150	0	162	0	0	0	0	0	76	0	93	58	72	0	95	43	75	0	90	57	64	0	83	47	0	0	0	0	0	0
600	130	0	131	0	154	0	172	0	0	0	0	0	74	0	88	58	71	0	107	37	73	0	106	52	60	0	93	44	0	0	0	0	0	0
700	129	0	130	0	150	0	167	0	0	0	0	0	77	0	101	56	75	0	100	45	75	0	101	56	63	0	84	43	0	0	0	0	0	0
800	119	0	122	0	139	0	158	0	0	0	0	0	76	0	108	40	75	0	121	42	72	0	101	46	61	0	87	38	0	0	0	0	0	0
900	124	0	134	0	139	0	165	0	0	0	0	0	68	0	87	47	65	0	90	38	67	0	99	49	55	0	78	34	0	0	0	0	0	0
1000	128	0	135	0	139	0	167	0	0	0	0	0	68	0	100	45	65	0	110	38	66	0	91	42	54	0	78	28	0	0	0	0	0	0
1100	136	0	153	0	160	0	191	0	0	0	0	0	58	0	84	36	55	0	95	19	60	0	85	31	47	0	73	24	0	0	0	0	0	0
1200	156	0	170	0	181	0	207	0	0	0	0	0	67	0	88	30	65	0	90	26	65	0	93	26	51	0	81	2	0	0	0	0	0	0
1300	176	0	194	0	207	0	243	0	0	0	0	0	65	0	100	44	62	0	121	29	64	0	87	19	50	0	77	1	0	0	0	0	0	0
1400	177	0	198	0	202	0	232	0	0	0	0	0	62	0	100	36	58	0	103	25	61	0	117	34	47	0	101	13	0	0	0	0	0	0
1500	174	0	184	0	202	0	228	0	0	0	0	0	61	0	84	32	57	0	105	11	59	0	88	26	44	0	71	12	0	0	0	0	0	0
1600	186	0	197	0	210	0	240	0	0	0	0	0	66	0	111	32	64	0	119	23	63	0	95	26	47	0	92	14	0	0	0	0	0	0
1700	152	0	161	0	180	0	210	0	0	0	0	0	63	0	95	39	60	0	98	24	54	0	91	17	43	0	73	352	0	0	0	0	0	0
1800	170	0	178	0	202	0	232	0	0	0	0	0	54	0	83	18	49	0	94	6	54	0	77	22	37	0	77	12	0	0	0	0	0	0
1900	168	0	182	0	201	0	236	0	0	0	0	0	57	0	78	33	52	0	82	21	56	0	84	28	40	0	72	8	0	0	0	0	0	0
2000	148	0	163	0	174	0	202	0	0	0	0	0	62	0	88	40	58	0	101	23	59	0	89	34	44	0	71	14	0	0	0	0	0	0
2100	160	0	170	0	187	0	216	0	0	0	0	0	60	0	79	37	55	0	103	15	56	0	88	32	42	0	74	16	0	0	0	0	0	0
2200	154	0	160	0	177	0	200	0	0	0	0	0	49	0	81	26	45	0	75	15	50	0	68	21	33	0	53	7	0	0	0	0	0	0
2300	157	0	149	0	183	0	186	0	0	0	0	0	33	0	80	17	28	0	74	359	33	0	61	14	17	0	37	357	0	0	0	0	0	0
2400	167	0	158	0	207	0	202	0	0	0	0	0	35	0	55	15	27	0	61	355	30	0	50	4	13	0	37	351	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	379	0	372	0	370	0	365	0	320	0	320	0	-7	0	-7	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
200	370	0	363	0	381	0	356	0	320	0	320	0	-7	0	-7	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
300	347	0	338	0	338	0	333	0	320	0	320	0	-7	0	-5	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
400	327	0	320	0	322	0	314	0	320	0	320	0	-7	0	-5	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
500	314	0	305	0	305	0	299	0	320	0	320	0	-7	0	-5	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
600	303	0	296	0	296	0	290	0	320	0	320	0	-7	0	-5	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
700	303	0	299	0	292	0	288	0	320	0	320	0	-7	0	-5	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
800	312	0	305	0	301	0	296	0	320	0	320	0	-11	0	-9	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
900	331	0	324	0	317	0	312	0	320	0	320	0	-13	0	-11	0	0	0	0	0	285	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1000	358	0	351	0	343	0	338	0	320	0	320	0	-13	0	-13	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1100	394	0	387	0	378	0	374	0	320	0	320	0	-14	0	-13	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1200	428	0	421	0	414	0	408	0	320	0	320	0	-14	0	-13	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1300	457	0	450	0	439	0	433	0	320	0	320	0	-16	0	-16	0	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1400	475	0	469	0	459	0	455	0	320	0	320	0	-14	0	-14	0	0	0	0	0	352	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
1500	482	0	477	0	468	0	462	0	320	0	320	0	-13	0	-13	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1600	480	0	475	0	468	0	462	0	320	0	320	0	-13	0	-13	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1700	478	0	473	0	466	0	462	0	320	0	320	0	-13	0	-11	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1800	459	0	453	0	450	0	442	0	320	0	320	0	-9	0	-9	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1900	432	0	424	0	423	0	417	0	320	0	320	0	-7	0	-7	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2000	401	0	394	0	392	0	387	0	320	0	320	0	-7	0	-5	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2100	381	0	374	0	372	0	367	0	320	0	320	0	-7	0	-7	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2200	376	0	367	0	365	0	360	0	320	0	320	0	-9	0	-7	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
2300	360	0	352	0	349	0	343	0	320	0	320	0	-11	0	-9	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
2400	347	0	340	0	336	0	331	0	320	0	320	0	-11	0	-9	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND D.RI		MIN	MAX	S	WIND DIR2 50 B	S	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	171	0	163	0	206	0	200	0	6	0	0	0	34	0	55	359		27	0	59	347		25	0	52	354		7	0	40	335		0	0	0	0		0	0
200	179	0	163	0	215	0	210	0	6	0	0	0	35	0	59	16		29	0	82	1		26	0	43	354		9	0	36	345		0	0	0	0		0	0
300	190	0	178	0	225	0	223	0	0	0	0	0	31	0	47	10		23	0	70	358		24	0	49	1		6	0	39	340		0	0	0	0		0	0
400	171	0	159	0	208	0	202	0	0	0	0	0	32	0	58	12		22	0	88	344		29	0	48	10		12	0	38	345		0	0	0	0		0	0
500	169	0	158	0	205	0	201	0	0	0	0	0	36	0	57	12		28	0	62	337		29	0	47	7		13	0	45	347		0	0	0	0		0	0
600	140	0	130	0	186	0	167	0	0	0	0	0	38	0	56	22		33	0	60	5		35	0	51	13		18	0	34	2		0	0	0	0		0	0
700	147	0	139	0	179	0	173	0	0	0	0	0	31	0	53	357		23	0	52	353		28	0	55	6		10	0	30	341		0	0	0	0		0	0
800	167	0	162	0	195	0	190	0	0	0	0	0	34	0	53	15		27	0	56	359		29	0	48	4		11	0	37	342		0	0	0	1		0	0
900	149	0	141	0	169	0	168	0	0	0	0	0	33	0	62	6		28	0	75	354		29	0	55	2		12	0	42	349		0	0	0	0		0	0
1000	128	0	121	0	176	0	176	0	0	0	0	0	23	0	58	351		17	0	72	305		13	0	38	333		353	0	26	319		0	0	0	0		0	0
1100	89	0	83	0	166	0	166	0	0	0	0	0	10	0	52	314		7	0	74	290		2	0	45	312		346	0	49	285		0	0	0	0		0	0
1200	98	0	98	0	163	0	167	0	0	0	0	0	13	0	56	305		11	0	144	307		2	0	44	316		340	0	26	294		0	0	0	0		0	0
1300	94	0	87	0	152	0	152	0	0	0	0	0	8	0	65	277		6	0	124	286		2	0	55	297		341	0	35	287		0	0	0	0		0	0
1400	117	0	102	0	174	0	167	0	0	0	0	0	359	0	64	311		349	0	59	278		359	0	62	314		341	0	37	297		0	0	0	0		0	0
1500	128	0	110	0	203	0	198	0	0	0	0	0	347	0	34	299		348	0	45	283		1	0	40	310		340	0	33	304		0	0	0	0		0	0
1600	188	0	181	0	238	0	229	0	0	0	0	0	347	0	31	323		339	0	40	299		354	0	26	332		334	0	2	311		0	0	0	0		0	0
1700	173	0	165	0	237	0	229	0	0	0	0	0	345	0	36	311		338	0	32	283		355	0	14	327		336	0	0	306		0	0	0	0		0	0
1800	149	0	143	0	204	0	194	0	0	0	0	0	347	0	25	321		338	0	33	291		355	0	25	327		334	0	13	301		0	0	0	0		0	0
1900	123	0	121	0	171	0	172	0	0	0	0	0	345	0	3	306		336	0	22	284		349	0	10	333		330	0	350	308		0	0	0	0		0	0
2000	113	0	109	0	155	0	153	0	0	0	0	0	341	0	9	321		335	0	22	310		347	0	5	333		327	0	357	308		0	0	0	0		0	0
2100	121	0	116	0	170	0	168	0	0	0	0	0	349	0	20	325		341	0	54	297		354	0	16	337		333	0	5	319		0	0	0	0		0	0
2200	113	0	100	0	158	0	152	0	0	0	0	0	351	0	37	318		348	0	31	296		355	0	35	319		339	0	15	318		0	0	0	0		0	0
2300	109	0	101	0	163	0	160	0	0	0	0	0	350	0	30	321		343	0	51	298		354	0	30	320		334	0	49	302		0	0	0	0		0	0
2400	94	0	89	0	146	0	145	0	0	0	0	0	344	0	29	307		338	0	38	291		349	0	8	325		328	0	354	294		0	0	0	0		0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	343	0	336	0	333	0	329	0	320	0	320	0	-11	0	-9	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	1	196	0
200	342	0	333	0	329	0	325	0	320	0	320	0	-9	0	-7	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	1	196	0
300	336	0	329	0	325	0	320	0	320	0	320	0	-11	0	-9	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	1	196	0
400	331	0	322	0	317	0	312	0	320	0	320	0	-11	0	-9	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	1	196	0
500	327	0	322	0	314	0	308	0	320	0	320	0	-11	0	-9	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
600	324	0	315	0	310	0	306	0	320	0	320	0	-11	0	-9	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
700	324	0	315	0	310	0	305	0	320	0	320	0	-11	0	-9	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
800	331	0	322	0	322	0	314	0	320	0	320	0	-11	0	-9	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
900	336	0	331	0	331	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
1000	345	0	338	0	333	0	329	0	320	0	320	0	-11	0	-9	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	1	195	0
1100	356	0	349	0	334	0	329	0	320	0	320	0	-20	0	-20	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1200	358	0	352	0	340	0	334	0	320	0	320	0	-18	0	-18	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1300	367	0	361	0	342	0	338	0	320	0	320	0	-23	0	-22	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	1	195	0
1400	367	0	360	0	340	0	336	0	320	0	320	0	-25	0	-23	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1500	360	0	352	0	338	0	333	0	320	0	320	0	-22	0	-20	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	1	195	6
1600	347	0	338	0	329	0	325	0	320	0	320	0	-16	0	-13	0	0	0	0	0	285	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1700	345	0	336	0	329	0	324	0	320	0	320	0	-16	0	-14	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
1800	340	0	333	0	327	0	322	0	320	0	320	0	-13	0	-11	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1900	331	0	324	0	320	0	314	0	320	0	320	0	-11	0	-9	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
2000	331	0	324	0	322	0	315	0	320	0	320	0	-9	0	-7	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
2100	336	0	329	0	325	0	320	0	320	0	320	0	-9	0	-7	0	0	0	0	0	278	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2200	338	0	331	0	329	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	1	196	0
2300	338	0	331	0	329	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
2400	338	0	331	0	329	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 4 =FLAT DIRECTION4
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	109	0	93	0	189	0	192	0	0	0	0	0	351	0	51	305	343	0	41	299	355	0	37	331	337	0	21	301	0	0	0	0	0	0
200	142	0	139	0	198	0	193	0	0	0	0	0	346	0	29	320	339	0	21	301	352	0	31	340	334	0	358	319	0	0	0	0	0	0
300	127	0	117	0	187	0	187	0	0	0	0	0	346	0	23	318	337	0	17	303	350	0	5	333	330	0	346	307	0	0	0	0	0	0
400	116	0	108	0	169	0	163	0	0	0	0	0	342	0	16	311	333	0	8	300	348	0	0	328	326	0	345	308	0	0	0	0	0	0
500	117	0	108	0	165	0	163	0	0	0	0	0	334	0	356	294	324	0	8	274	340	0	352	326	320	0	333	303	0	0	0	0	0	0
600	106	0	102	0	167	0	167	0	0	0	0	0	329	0	351	291	315	0	8	278	336	0	5	318	315	0	357	292	0	0	0	0	0	0
700	110	0	105	0	169	0	172	0	0	0	0	0	323	0	349	292	317	0	355	275	335	0	354	312	313	0	327	285	0	0	0	0	0	0
800	116	0	113	0	171	0	171	0	0	0	0	0	325	0	354	275	319	0	25	278	334	0	2	303	315	0	337	288	0	0	0	0	0	0
900	114	0	108	0	160	0	160	0	0	0	0	0	323	0	351	290	313	0	4	271	335	0	4	301	315	0	342	293	0	0	0	0	0	0
1000	103	0	95	0	155	0	156	0	0	0	0	0	319	0	352	268	311	0	353	258	334	0	5	292	315	0	7	271	0	0	0	0	0	0
1100	140	0	138	0	190	0	189	0	0	0	0	0	335	0	6	285	327	0	3	279	340	0	358	291	321	0	334	297	0	0	0	0	0	0
1200	101	0	100	0	151	0	155	0	0	0	0	0	325	0	5	272	319	0	10	270	336	0	356	296	316	0	353	273	0	0	0	0	0	0
1300	103	0	98	0	139	0	138	0	0	0	0	0	323	0	354	288	313	0	356	263	334	0	2	310	313	0	350	286	0	0	0	0	0	0
1400	94	0	89	0	128	0	127	0	0	0	0	0	321	0	359	276	313	0	354	245	333	0	358	292	313	0	333	284	0	0	0	0	0	0
1500	103	0	102	0	134	0	135	0	0	0	0	0	333	0	3	280	326	0	355	257	339	0	354	315	320	0	331	307	0	0	0	0	0	0
1600	78	0	76	0	91	0	91	0	0	0	0	0	328	0	359	263	320	0	338	190	337	0	359	293	318	0	343	276	0	0	0	0	0	0
1700	62	0	57	0	87	0	83	0	0	0	0	0	347	0	57	304	340	0	56	277	358	0	69	311	341	0	38	294	0	0	0	0	0	0
1800	50	0	46	0	74	0	71	0	0	0	0	0	357	0	91	306	348	0	65	282	2	0	41	292	345	0	92	285	0	0	0	0	0	0
1900	63	0	53	0	90	0	85	0	0	0	0	0	349	0	65	306	343	0	51	283	357	0	23	325	339	0	12	285	0	0	0	0	0	0
2000	72	0	67	0	96	0	95	0	0	0	0	0	347	0	29	317	340	0	22	292	355	0	30	334	336	0	6	314	0	0	0	0	0	0
2100	64	0	59	0	97	0	95	0	0	0	0	0	345	0	27	316	337	0	18	297	349	0	6	335	330	0	346	306	0	0	0	0	0	0
2200	55	0	52	0	88	0	90	0	0	0	0	0	323	0	357	288	318	0	7	271	337	0	348	324	318	0	329	304	0	0	0	0	0	0
2300	75	0	66	0	90	0	94	0	0	0	0	0	296	0	317	278	291	0	327	248	309	0	319	298	289	0	297	283	0	0	0	0	0	0
2400	66	0	65	0	87	0	97	0	0	0	0	0	289	0	320	231	284	0	332	237	298	0	327	265	279	0	323	281	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	338	0	331	0	329	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
200	338	0	331	0	329	0	324	0	320	0	320	0	-9	0	-7	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
300	336	0	329	0	327	0	322	0	320	0	320	0	-9	0	-7	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
400	331	0	325	0	324	0	317	0	320	0	320	0	-9	0	-7	0	0	0	0	0	278	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
500	334	0	327	0	325	0	320	0	320	0	320	0	-9	0	-7	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
600	334	0	327	0	324	0	322	0	320	0	320	0	-9	0	-7	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
700	333	0	327	0	322	0	317	0	320	0	320	0	-11	0	-9	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
800	338	0	331	0	325	0	322	0	320	0	320	0	-11	0	-9	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
900	345	0	338	0	333	0	329	0	320	0	320	0	-13	0	-11	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
1000	352	0	345	0	334	0	329	0	320	0	320	0	-18	0	-16	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1100	352	0	347	0	338	0	331	0	320	0	320	0	-18	0	-16	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1200	358	0	351	0	336	0	331	0	320	0	320	0	-23	0	-22	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1300	356	0	349	0	334	0	329	0	320	0	320	0	-22	0	-20	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
1400	365	0	358	0	340	0	334	0	320	0	320	0	-25	0	-23	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1500	349	0	342	0	331	0	324	0	320	0	320	0	-18	0	-16	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
1600	367	0	358	0	349	0	345	0	320	0	320	0	-16	0	-13	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1700	376	0	367	0	349	0	345	0	320	0	320	0	-23	0	-22	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1800	349	0	342	0	334	0	329	0	320	0	320	0	-14	0	-13	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
1900	331	0	324	0	320	0	314	0	320	0	320	0	-11	0	-9	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
2000	331	0	322	0	322	0	314	0	320	0	320	0	-11	0	-9	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
2100	327	0	322	0	322	0	312	0	320	0	320	0	-7	0	-7	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
2200	329	0	315	0	315	0	310	0	320	0	320	0	-7	0	-5	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2300	325	0	317	0	317	0	312	0	320	0	320	0	-7	0	-5	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2400	327	0	322	0	320	0	315	0	320	0	320	0	-5	0	-4	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	70	0	67	0	90	0	94	0	0	0	0	0	293	0	332	257	286	0	326	248	304	0	327	279	285	0	301	254	0	0	0	0	0	0
200	93	0	85	0	117	0	123	0	0	0	0	0	294	0	317	252	288	0	326	250	302	0	319	279	282	0	309	252	0	0	0	0	0	0
300	77	0	67	0	100	0	103	0	0	0	0	0	296	0	318	273	291	0	322	268	305	0	319	285	285	0	294	259	0	0	0	0	0	0
400	71	0	66	0	107	0	112	0	0	0	0	0	297	0	321	275	292	0	326	259	308	0	319	301	288	0	296	279	0	0	0	0	0	0
500	69	0	60	0	83	0	88	0	0	0	0	0	297	0	317	269	290	0	326	229	306	0	324	285	286	0	300	272	0	0	0	0	0	0
600	39	0	27	0	36	0	38	0	0	0	0	0	226	0	265	175	223	3	286	181	283	0	331	225	265	0	322	201	0	0	0	0	0	0
700	25	0	24	0	51	0	55	0	0	0	0	0	258	0	336	196	254	3	327	198	297	0	332	257	278	0	312	217	0	0	0	0	1	0
800	59	0	54	0	81	0	85	0	0	0	0	0	302	0	340	273	296	0	346	254	318	0	338	291	298	0	328	273	0	0	0	0	0	0
900	52	0	47	0	66	0	65	0	0	0	0	0	344	0	27	294	341	0	59	296	0	0	29	329	332	0	24	297	0	0	0	0	0	0
1000	62	0	59	0	74	0	74	0	0	0	0	0	349	0	104	272	346	0	71	286	359	0	37	309	341	0	37	296	0	0	0	0	0	0
1100	56	0	55	0	61	0	62	0	0	0	0	0	326	0	15	273	316	0	354	234	332	0	1	279	310	0	357	255	0	0	0	0	0	0
1200	79	0	76	0	75	0	81	0	0	0	0	0	301	0	320	264	292	0	321	265	299	0	325	269	279	0	298	250	0	0	0	0	0	0
1300	69	0	66	0	76	0	79	0	0	0	0	0	303	0	332	271	294	0	323	229	321	0	356	303	300	0	326	275	0	0	0	0	0	0
1400	79	0	73	0	94	0	92	0	0	0	0	0	348	0	51	283	344	0	75	297	355	0	27	312	337	0	27	290	0	0	0	0	0	0
1500	76	0	74	0	82	0	81	0	0	0	0	0	330	0	2	281	324	0	6	287	340	0	11	317	320	0	343	297	0	0	0	0	0	0
1600	45	0	41	0	48	0	50	0	0	0	0	0	301	0	358	244	3	3	357	212	328	0	17	293	309	0	31	276	0	0	0	0	0	0
1700	49	0	47	0	45	0	48	0	0	0	0	0	266	0	327	218	259	0	319	218	290	0	329	249	272	0	318	238	0	0	0	0	0	0
1800	45	0	43	0	41	0	46	0	0	0	0	0	270	0	308	246	267	0	312	228	283	0	320	252	266	0	307	228	0	0	0	0	0	0
1900	28	0	27	0	34	0	36	0	0	0	0	0	312	0	4	275	307	3	12	270	334	0	356	314	315	0	339	286	0	0	0	0	0	0
2000	28	0	27	0	43	0	44	0	0	0	0	0	43	3	102	11	39	3	107	6	30	0	49	16	12	0	25	354	0	0	0	0	0	0
2100	30	0	31	0	32	0	34	0	0		0	0	311	0	354	265	305	0	347	255	344	0	13	298	322	0	357	271	0	0	0	0	0	0
2200	46	0	44	0	49	0	53	0	0	0	0	0	301	0	323	275	296	0	319	272	306	0	324	282	286	0	302	264	0	0	0	0	0	0
2300	46	0	47	0	51	0	55	0	0	0	0	0	300	0	323	275	295	0	327	269	298	0	322	271	280	0	309	261	0	0	0	0	0	0
2400	65	0	63	0	63	0	68	0	0	0	0	0	302	0	312	294	296	0	311	272	308	0	311	304	288	0	292	285	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	331	0	322	0	325	0	320	0	320	0	320	0	-4	0	2	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
200	329	0	322	0	324	0	317	0	320	0	320	0	-5	0	-4	0	0	0	0	0	278	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
300	327	0	320	0	324	0	322	0	320	0	320	0	-2	0	0	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
400	327	0	322	0	327	0	322	0	320	0	320	0	2	0	5	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
500	324	0	315	0	324	0	317	0	320	0	320	0	0	0	2	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
600	314	0	305	0	314	0	308	0	320	0	320	0	2	0	4	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
700	308	0	299	0	312	0	305	0	320	0	320	0	4	0	5	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
800	338	0	333	0	329	0	324	0	320	0	320	0	-11	0	-9	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
900	356	0	351	0	342	0	336	0	320	0	320	0	-13	0	-13	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1000	361	0	354	0	351	0	347	0	320	0	320	0	-9	0	-7	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
1100	372	0	367	0	360	0	354	0	320	0	320	0	-14	0	-11	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1200	367	0	360	0	349	0	345	0	320	0	320	0	-16	0	-14	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1300	379	0	372	0	352	0	349	0	320	0	320	0	-27	0	-23	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1400	378	0	372	0	356	0	352	0	320	0	320	0	-20	0	-18	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1500	378	0	370	0	356	0	352	0	320	0	320	0	-20	0	-18	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
1600	385	0	378	0	354	0	352	0	320	0	320	0	-29	0	-25	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1700	372	0	365	0	349	0	347	0	320	0	320	0	-22	0	-18	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1800	356	0	349	0	343	0	342	0	320	0	320	0	-11	0	-7	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1900	334	0	325	0	322	0	315	0	320	0	320	0	-13	0	-9	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2000	294	0	285	0	301	0	294	0	320	0	320	0	7	0	11	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2100	296	0	287	0	299	0	294	0	320	0	320	0	5	0	7	0	0	0	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2200	301	0	292	0	297	0	292	0	320	0	320	0	-4	0	0	0	0	0	0	0	267	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2300	310	0	301	0	310	0	305	0	320	0	320	0	0	0	4	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2400	310	0	301	0	303	0	297	0	320	0	320	0	-7	0	-5	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	65	0	64	0	64	0	68	0	50	0	0	0	296	0	306	277	292	0	310	271	301	0	311	291	282	0	290	259	5	0	0	0	0	0
200	41	0	44	0	41	0	45	0	0	0	0	0	294	0	313	264	290	0	311	258	294	0	313	277	276	0	290	253	0	0	0	0	0	0
300	57	0	59	0	61	0	65	0	0	0	0	0	255	0	275	237	251	0	275	226	272	0	293	254	254	0	279	239	0	0	0	0	0	0
400	55	0	60	0	65	0	69	0	0	0	0	0	254	0	270	242	251	0	269	226	264	0	286	249	247	0	264	231	0	0	0	0	0	0
500	46	0	50	0	65	0	69	0	0	0	0	0	248	0	257	234	245	0	255	231	263	0	269	259	246	0	251	241	0	0	0	0	0	0
600	39	0	37	0	67	0	72	0	0	0	0	0	222	0	243	202	220	0	238	202	262	0	270	247	245	0	254	233	0	0	0	0	0	0
700	42	0	38	0	65	0	70	0	0	0	0	0	222	0	235	205	222	0	237	206	271	0	281	263	253	0	264	246	0	0	0	0	0	0
800	46	0	48	0	72	0	77	0	0	0	0	0	233	0	259	212	232	0	256	202	267	0	280	243	250	0	261	230	0	0	0	0	0	0
900	50	0	54	0	72	0	77	0	0	0	0	0	247	0	282	195	245	0	286	191	261	0	277	236	245	0	263	229	0	0	0	0	0	0
1000	60	0	64	0	69	0	73	0	0	0	0	0	258	0	277	238	250	0	286	228	256	0	268	237	240	0	246	221	0	0	0	0	0	0
1100	87	0	91	0	95	0	102	0	0	0	0	0	247	0	279	222	245	0	273	206	250	0	257	243	235	0	241	222	0	0	0	0	0	0
1200	69	0	72	0	84	0	87	0	0	0	0	0	247	0	286	202	244	0	302	199	257	0	280	225	239	0	254	214	0	0	0	0	0	0
1300	61	0	62	0	61	0	64	0	0	0	0	0	265	0	296	243	261	0	303	233	260	0	277	226	245	0	269	209	0	0	0	0	0	0
1400	61	0	62	0	67	0	73	0	0	0	0	0	272	0	302	231	268	0	308	199	267	0	288	215	251	0	269	226	0	0	0	0	0	0
1500	40	0	39	0	35	0	39	0	0	0	0	0	296	0	316	230	280	0	334	232	280	0	316	250	259	0	302	230	0	0	0	0	0	0
1600	32	0	34	0	33	0	34	0	0	0	0	0	295	0	354	226	291	0	356	209	332	0	15	298	308	0	353	229	0	0	0	0	0	0
1700	48	0	48	0	53	0	53	0	0	0	0	0	346	0	31	281	339	0	11	294	356	0	31	336	337	0	14	317	0	0	0	0	0	0
1800	34	0	34	0	39	0	41	0	0	0	0	0	349	0	37	293	342	0	35	277	356	0	19	315	339	0	39	307	0	0	0	0	0	0
1900	11	0	12	0	19	0	21	0	0	0	0	0	43	3	85	14	39	3	80	3	22	3	22	21	1	3	31	343	0	0	0	0	0	0
2000	16	0	20	0	8	0	11	0	0	0	0	0	68	3	76	64	66	3	74	62	18	3	18	18	350	3	73	310	0	0	0	0	0	0
2100	47	0	47	0	34	0	35	0	0	0	0	0	166	0	229	152	164	0	184	152	144	0	165	129	149	0	168	130	0	0	0	0	0	0
2200	51	0	43	0	45	0	61	0	0	0	0	0	191	0	217	173	190	0	224	160	197	0	201	191	183	0	189	179	0	0	0	0	0	0
2300	56	0	45	0	103	0	94	0	0	0	0	0	192	0	215	173	190	0	221	157	206	0	215	203	194	0	205	190	0	0	0	0	0	0
2400	62	0	48	0	105	0	111	0	0	0	0	0	195	0	215	156	195	0	224	170	229	0	242	217	216	0	228	207	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	315	0	306	0	308	0	303	0	320	0	320	0	-7	0	-5	0	-11	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
200	306	0	297	0	308	0	303	0	320	0	320	0	4	0	5	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
300	306	0	299	0	305	0	299	0	320	0	320	0	2	0	2	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
400	303	0	294	0	294	0	288	0	320	0	320	0	-7	0	-5	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
500	305	0	296	0	297	0	292	0	320	0	320	0	-7	0	-5	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
600	292	0	283	0	308	0	303	0	320	0	320	0	16	0	20	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
700	312	0	305	0	327	0	324	0	320	0	320	0	14	0	16	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
800	334	0	327	0	347	0	342	0	320	0	320	0	14	0	16	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
900	381	0	376	0	372	0	369	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1000	394	0	388	0	399	0	390	0	320	0	320	0	2	0	4	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1100	410	0	403	0	392	0	388	0	320	0	320	0	-16	0	-14	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1200	428	0	423	0	412	0	406	0	320	0	320	0	-20	0	-16	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1300	444	0	437	0	441	0	439	0	320	0	320	0	-2	0	2	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1400	446	0	441	0	437	0	435	0	320	0	320	0	-7	0	-5	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1500	477	0	471	0	480	0	478	0	320	0	320	0	5	0	9	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1600	509	0	502	0	482	0	480	0	320	0	320	0	-25	0	-22	0	0	0	0	0	358	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1700	498	0	493	0	480	0	477	0	320	0	320	0	-18	0	-16	0	0	0	0	0	358	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1800	489	0	482	0	473	0	469	0	320	0	320	0	-16	0	-14	0	0	0	0	0	352	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1900	446	0	437	0	442	0	435	0	320	0	320	0	2	0	0	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2000	415	0	408	0	423	0	415	0	320	0	320	0	9	0	7	0	0	0	0	0	358	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2100	442	0	433	0	450	0	442	0	320	0	320	0	7	0	9	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2200	435	0	428	0	455	0	450	0	320	0	320	0	20	0	22	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2300	423	0	414	0	457	0	453	0	320	0	320	0	36	0	38	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
2400	406	0	399	0	446	0	441	0	320	0	320	0	41	0	43	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0

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

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S	
100	84	0	80	0	134	0	143	0	0	0	0	0	236	0	261	218	234	0	273	204	247	0	262	230	232	0	241	219	0	0	0	0	0	0
200	109	0	105	0	165	0	174	0	0	0	0	0	241	0	262	214	238	0	264	208	252	0	258	230	237	0	245	215	0	0	0	0	0	0
300	91	0	87	0	125	0	133	0	0	0	0	0	252	0	283	236	249	0	277	225	270	0	291	247	254	0	273	220	0	0	0	0	0	0
400	84	0	80	0	104	0	110	0	0	0	0	0	259	0	287	235	255	0	292	226	279	0	303	255	264	0	297	242	0	0	0	0	0	0
500	63	0	61	0	74	0	80	0	0	0	0	0	243	0	263	226	241	0	265	225	260	0	275	247	246	0	264	233	0	0	0	0	0	0
600	82	0	79	0	91	0	98	0	0	0	0	0	241	0	262	218	238	0	258	218	249	0	264	238	234	0	252	223	0	0	0	0	0	0
700	78	0	75	0	77	0	82	0	0	0	0	0	245	0	262	222	241	0	268	221	254	0	265	240	238	0	248	228	0	0	0	0	0	0
800	80	0	79	0	88	0	94	0	0	0	0	0	261	0	278	241	258	0	274	235	280	0	291	264	263	0	280	247	0	0	0	0	0	0
900	66	0	67	0	65	0	71	0	0	0	0	0	267	0	294	239	263	0	295	222	293	0	327	262	275	0	321	240	0	0	0	0	0	0
1000	43	0	43	0	40	0	44	0	0	0	0	0	272	0	330	216	268	0	320	205	290	0	332	223	272	0	310	219	0	0	0	0	0	0
1100	58	0	54	0	53	0	57	0	0	0	0	0	289	0	327	262	283	0	333	248	306	0	336	267	286	0	327	246	0	0	0	0	0	0
1200	59	0	59	0	56	0	60	0	0	0	0	0	268	0	307	233	263	0	305	221	285	0	328	253	265	0	298	233	0	0	0	0	0	0
1300	60	0	56	0	55	0	58	0	0	0	0	0	279	0	319	244	274	0	345	237	292	0	321	249	273	0	321	237	0	0	0	0	0	0
1400	51	0	53	0	66	0	67	0	0	0	0	0	321	0	14	274	315	0	6	271	341	0	5	297	321	0	346	274	0	0	0	0	0	0
1500	48	0	46	0	59	0	62	0	0	0	0	0	330	0	1	274	325	0	359	247	346	0	0	329	327	0	346	298	0	0	0	0	0	0
1600	56	0	52	0	60	0	60	0	0	0	0	0	350	0	32	315	342	0	28	285	358	0	23	333	339	0	46	311	0	0	0	0	0	0
1700	34	0	34	0	44	0	45	0	0	0	0	0	314	0	341	249	304	0	330	219	344	0	355	313	324	0	346	245	0	0	0	0	0	0
1800	75	0	71	0	101	0	99	0	0	0	0	0	28	0	50	356	22	0	45	337	24	0	44	354	6	0	28	335	0	0	0	0	0	0
1900	68	0	67	0	101	0	108	0	0	0	0	0	44	0	58	26	38	0	74	15	48	0	55	40	31	0	39	19	0	0	0	0	0	0
2000	78	0	30	0	121	0	130	0	0	0	0	0	50	0	79	38	46	0	69	22	50	0	56	44	32	0	42	26	0	0	0	0	0	0
2100	65	0	72	0	100	0	115	0	0	0	0	0	57	0	74	42	53	0	85	24	54	0	67	44	37	0	49	26	0	0	0	0	0	0
2200	59	0	66	0	96	0	110	0	0	0	0	0	63	0	72	55	59	0	68	49	57	0	66	51	41	0	50	34	0	0	0	0	0	0
2300	61	0	65	0	100	0	116	0	0	0	0	0	73	0	86	62	70	0	87	56	62	0	73	52	46	0	53	36	0	0	0	0	0	0
2400	101	0	97	0	161	0	155	0	0	0	0	0	89	0	102	79	86	0	101	73	89	0	90	85	74	0	76	70	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	BPIM	S
100	428	0	421	0	442	0	437	0	320	0	320	0	14	0	16	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
200	423	0	414	0	424	0	419	0	320	0	320	0	4	0	5	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
300	390	0	381	0	394	0	388	0	320	0	320	0	5	0	7	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
400	390	0	383	0	399	0	394	0	320	0	320	0	9	0	11	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
500	383	0	378	0	378	0	372	0	320	0	320	0	-5	0	-4	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
600	379	0	374	0	374	0	369	0	320	0	320	0	-5	0	-5	0	0	0	0	0	29.	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
700	387	0	379	0	381	0	376	0	320	0	320	0	-5	0	-4	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
800	385	0	379	0	381	0	378	0	320	0	320	0	-7	0	-5	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
900	392	0	385	0	385	0	381	0	320	0	320	0	-7	0	-5	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1000	408	0	403	0	412	0	408	0	320	0	320	0	4	0	5	0	0	0	0	0	331	6	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1100	423	0	417	0	419	0	417	0	320	0	320	0	-4	0	0	0	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1200	412	0	405	0	401	0	399	0	320	0	320	0	-9	0	-5	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1300	401	0	396	0	392	0	388	0	320	0	320	0	-9	0	-7	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1400	426	0	421	0	403	0	401	0	320	0	320	0	-23	0	-20	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1500	448	0	442	0	414	0	410	0	320	0	320	0	-34	0	-32	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1600	455	0	448	0	446	0	442	0	320	0	320	0	-7	0	-5	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1700	464	0	457	0	451	0	448	0	320	0	320	0	-11	0	-7	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1800	430	0	424	0	426	0	421	0	320	0	320	0	-4	0	-4	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1900	435	0	426	0	437	0	430	0	320	0	320	0	2	0	4	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
2000	428	0	419	0	430	0	426	0	320	0	320	0	5	0	7	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
2100	417	0	410	0	419	0	414	0	320	0	320	0	4	0	5	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2200	406	0	397	0	415	0	410	0	320	0	320	0	11	0	13	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2300	397	0	388	0	414	0	408	0	320	0	320	0	15	0	20	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2400	390	0	383	0	412	0	408	0	320	0	320	0	22	0	25	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
DEGREES, SP[illegible] DIRECTION 1 DEGREE RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3	MIN	MAX	WIND DIR4	MIN	MAX	WIND DIR5	MIN	MAX	WIND DIR6	
														50 B	S		150A	S		150B	S			S			S		
100	127	0	120	0	197	0	194	0	0	0	0	0	92	0	107	82	89	0	113	70	93	0	94	90	77	0	83	72	0	0	0	0	0	0	0	0
200	139	0	130	0	211	0	212	0	0	0	0	0	96	0	123	82	95	0	122	67	97	0	112	82	82	0	101	71	0	0	0	0	0	0	0	0
300	140	0	130	0	199	0	195	0	0	0	0	0	105	0	123	83	105	0	140	76	106	0	123	90	92	0	119	75	0	0	0	0	0	0	0	0
400	171	0	156	0	211	0	213	0	0	0	0	0	111	0	128	92	111	0	138	66	109	0	124	95	96	0	122	77	0	0	0	0	0	0	0	0
500	150	0	138	0	183	0	188	0	0	0	0	0	112	0	129	89	111	0	145	71	115	0	129	94	101	0	117	81	0	0	0	0	0	0	0	0
600	156	0	147	0	202	0	206	0	0	0	0	0	112	0	130	99	113	0	132	77	111	0	129	87	98	0	112	81	0	0	0	0	0	0	0	0
700	136	0	127	0	180	0	182	0	0	0	0	0	107	0	128	87	105	0	136	79	107	0	118	90	94	0	106	74	0	0	0	0	0	0	0	0
800	186	0	176	0	226	0	226	0	0	0	0	0	112	0	131	90	111	0	138	83	110	0	131	88	97	0	112	75	0	0	0	0	0	0	0	0
900	228	0	222	0	269	0	281	0	0	0	0	0	115	0	132	90	117	0	152	90	115	0	132	85	109	0	121	82	0	0	0	0	0	0	0	0
1000	187	0	181	0	228	0	233	0	0	0	0	0	117	0	138	99	119	0	162	82	120	0	140	97	108	0	130	84	0	0	0	0	0	0	0	0
1100	221	0	227	0	257	0	267	0	0	0	0	0	118	0	131	98	119	0	139	84	122	0	143	107	109	0	129	87	0	0	0	0	0	0	0	0
1200	157	0	156	0	199	0	205	0	0	0	0	0	121	0	145	97	124	0	154	91	128	0	149	108	116	0	136	94	0	0	0	0	0	0	0	0
1300	92	0	100	0	154	0	161	0	0	0	0	0	144	0	169	120	146	0	190	112	152	0	182	128	140	0	162	122	0	0	0	0	0	0	0	0
1400	147	0	144	0	179	0	178	0	0	0	0	0	114	0	131	90	115	0	141	80	114	0	126	98	103	0	119	79	0	0	0	0	0	0	0	0
1500	168	0	174	0	202	0	195	0	0	0	0	0	84	0	103	60	83	0	114	54	86	0	107	70	74	0	90	55	0	0	0	0	0	0	0	0
1600	165	0	165	0	212	0	216	0	0	0	0	0	89	0	111	69	88	0	119	59	90	0	116	72	80	0	107	64	0	0	0	0	0	0	0	0
1700	210	0	210	0	237	0	237	0	0	0	0	0	82	0	102	64	82	0	114	51	83	0	104	60	71	0	93	48	0	0	0	0	0	0	0	0
1800	154	0	154	0	208	0	206	0	0	0	0	0	96	0	123	73	98	0	134	59	96	0	116	82	84	0	109	63	0	0	0	0	0	0	0	0
1900	178	0	175	0	230	0	228	0	0	0	0	0	94	0	118	77	94	0	128	69	94	0	11[illegible]	77	82	0	109	61	0	0	0	0	0	0	0	0
2000	187	0	184	0	233	0	232	0	0	0	0	0	91	0	113	67	90	0	120	66	91	0	117	67	80	0	108	62	0	0	0	0	0	0	0	0
2100	166	0	161	0	217	0	220	0	0	0	0	0	94	0	115	74	94	0	130	65	95	0	122	79	82	0	101	63	0	0	0	0	0	0	0	0
2200	146	0	145	0	202	0	203	0	0	0	0	0	94	0	119	74	95	0	125	62	96	0	114	73	84	0	108	54	0	0	0	0	0	0	0	0
2300	147	0	146	0	200	0	204	0	0	0	0	0	102	0	122	83	103	0	142	75	100	0	118	79	88	0	112	62	0	0	0	0	0	0	0	0
2400	138	0	140	0	178	0	179	0	0	0	0	0	94	0	124	66	94	0	137	54	97	0	128	77	85	0	108	67	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	BAIN	S
100	383	0	376	0	406	0	403	0	320	0	320	0	25	0	27	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
200	399	0	387	0	405	0	399	0	320	0	320	0	11	0	13	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
300	406	0	399	0	406	0	401	0	320	0	320	0	0	0	2	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
400	408	0	401	0	403	0	399	0	320	0	320	0	-4	0	-2	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
500	401	0	399	0	399	0	390	0	320	0	320	0	-5	0	-4	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
600	390	0	383	0	385	0	379	0	320	0	320	0	-5	0	-4	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
700	381	0	376	0	376	0	370	0	320	0	320	0	-5	0	-4	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
800	390	0	385	0	381	0	378	0	320	0	320	0	-9	0	-7	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
900	406	0	399	0	396	0	390	0	320	0	320	0	-11	0	-9	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1000	421	0	415	0	412	0	405	0	320	0	320	0	-11	0	-9	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	195	0
1100	444	0	437	0	433	0	426	0	320	0	320	0	-13	0	-11	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1200	439	0	432	0	426	0	423	0	320	0	320	0	-11	0	-9	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	195	6
1300	374	0	367	0	363	0	358	0	320	0	320	0	-11	0	-9	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	201	0
1400	358	0	351	0	349	0	343	0	320	0	320	0	-11	0	-7	0	0	0	0	0	284	0	0	0	0	0	0	0	0	0	0	0	0	0	209	0
1500	342	0	334	0	336	0	329	0	320	0	320	0	-7	0	-5	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0
1600	340	0	333	0	331	0	327	0	320	0	320	0	-9	0	-5	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	214	0
1700	351	0	342	0	347	0	336	0	320	0	320	0	-7	0	-5	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	221	0
1800	358	0	351	0	356	0	345	0	320	0	320	0	-7	0	-5	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1900	361	0	354	0	354	0	349	0	320	0	320	0	-7	0	-5	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2000	367	0	360	0	358	0	352	0	320	0	320	0	-7	0	-5	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2100	367	0	360	0	360	0	354	0	320	0	320	0	-7	0	-5	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2200	372	0	365	0	365	0	360	0	320	0	320	0	-7	0	-5	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2300	383	0	378	0	378	0	372	0	320	0	320	0	-7	0	-5	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2400	388	0	381	0	381	0	378	0	320	0	320	0	-7	0	-5	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6			
100	119	0	112	0	153	0	152	0	0	0	0	0	101	0	127	71	102	0	133	69	104	0	118	84	93	0	110	78	0	0	0	0	0	0		
200	78	0	76	0	106	0	107	0	0	0	0	0	103	0	132	66	105	0	152	75	103	0	120	82	92	0	107	69	0	0	0	0	0	0		
300	90	0	87	0	122	0	123	0	0	0	0	0	102	0	122	81	102	0	136	72	100	0	119	89	88	0	108	69	0	0	0	0	0	0		
400	134	0	131	0	171	0	169	0	0	0	0	0	90	0	105	73	89	0	116	61	91	0	112	71	79	0	96	55	0	0	0	0	0	0		
500	121	0	116	0	163	0	161	0	0	0	0	0	95	0	122	70	94	0	137	69	94	0	112	80	83	0	114	70	0	0	0	0	0	0		
600	125	0	121	0	168	0	168	0	0	0	0	0	103	0	129	79	103	0	137	66	100	0	127	76	88	0	113	69	0	0	0	0	0	0		
700	125	0	121	0	158	0	158	0	0	0	0	0	102	0	126	76	102	0	126	73	103	0	122	84	91	0	113	73	0	0	0	0	0	0		
800	139	0	131	0	167	0	165	0	0	0	0	0	89	0	113	72	90	0	120	61	92	0	117	71	79	0	106	61	0	0	0	0	0	0		
900	141	0	138	0	176	0	177	0	0	0	0	0	101	0	130	76	100	0	127	62	99	0	128	71	88	0	111	66	0	0	0	0	0	0		
1000	155	0	145	0	187	0	195	0	0	0	0	0	107	0	123	88	108	0	135	84	108	0	123	94	97	0	113	81	0	0	0	0	0	0		
1100	145	0	137	0	170	0	169	0	0	0	0	0	110	0	123	92	112	0	143	80	109	0	124	96	98	0	119	79	0	0	0	0	0	0		
1200	131	0	129	0	149	0	153	0	0	0	0	0	105	0	131	80	106	0	132	67	105	0	121	81	94	0	112	69	0	0	0	0	0	0		
1300	134	0	131	0	152	0	156	0	0	0	0	0	107	0	128	71	107	0	137	63	105	0	131	82	96	0	121	69	0	0	0	0	0	0		
1400	151	0	143	0	188	0	190	0	0	0	0	0	108	0	133	86	108	0	138	68	106	0	121	85	96	0	111	73	0	0	0	0	0	0		
1500	129	0	130	0	155	0	156	0	0	0	0	0	90	0	130	61	89	0	131	60	89	0	131	68	78	0	114	61	0	0	0	0	0	0		
1600	113	0	111	0	137	0	140	0	0	0	0	0	85	0	111	52	84	0	124	50	82	0	104	60	70	0	96	49	0	0	0	0	0	1		
1700	93	0	102	0	110	0	125	0	0	0	0	0	71	0	86	43	69	0	103	39	73	0	93	48	61	0	88	35	0	0	0	0	0	0		
1800	118	0	134	0	132	0	161	0	0	0	0	0	61	0	77	34	58	0	86	21	61	0	81	36	51	0	73	16	0	0	0	0	0	0		
1900	86	0	93	0	111	0	126	0	0	0	0	0	56	0	81	34	52	0	92	10	53	0	78	20	38	0	64	7	0	0	0	0	0	0		
2000	93	0	91	0	122	0	129	0	0	0	0	0	37	0	78	0	34	0	85	345	40	0	69	9	23	0	59	345	0	0	0	0	0	0		
2100	112	0	114	0	126	0	144	0	0	0	0	0	58	0	85	29	55	0	100	16	55	0	82	31	40	0	68	13	0	0	0	0	0	0		
2200	88	0	92	0	108	0	128	0	0	0	0	0	59	0	81	28	53	0	83	10	58	0	88	27	42	0	61	6	0	0	0	0	0	0		
2300	83	0	87	0	96	0	114	0	0	0	0	0	58	0	87	39	55	0	98	23	56	0	85	34	42	0	71	13	0	0	0	0	0	0		
2400	101	0	95	0	144	0	143	0	0	0	0	0	24	0	46	342	18	0	62	334	22	0	40	342	5	0	30	327	0	0	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PAIN	S
100	396	0	388	0	388	0	383	0	320	0	320	0	-7	0	-5	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
200	399	0	392	0	392	0	387	0	320	0	320	0	-7	0	-5	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
300	399	0	392	0	392	0	387	0	320	0	320	0	-7	0	-5	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
400	399	0	392	0	392	0	388	0	320	0	320	0	-7	0	-5	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
500	405	0	397	0	397	0	392	0	320	0	320	0	7	0	-5	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
600	410	0	403	0	403	0	397	0	320	0	320	0	-7	0	-5	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
700	414	0	406	0	406	0	401	0	320	0	320	0	-7	0	-5	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
800	421	0	414	0	412	0	408	0	320	0	320	0	-7	0	-5	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
900	432	0	426	0	423	0	417	0	320	0	320	0	-11	0	-9	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1000	439	0	432	0	428	0	423	0	320	0	320	0	-9	0	-9	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1100	451	0	444	0	442	0	435	0	320	0	320	0	-9	0	-7	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1200	477	0	471	0	469	0	459	0	320	0	320	0	-13	0	-11	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1300	495	0	487	0	480	0	475	0	320	0	320	0	-13	0	-13	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1400	493	0	487	0	482	0	477	0	320	0	320	0	-11	0	-9	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1500	498	0	493	0	486	0	482	0	320	0	320	0	-13	0	-11	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1600	489	0	484	0	480	0	475	0	320	0	320	0	-9	0	-7	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1700	484	0	478	0	477	0	471	0	320	0	320	0	-9	0	-7	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1800	487	0	480	0	478	0	473	0	320	0	320	0	-9	0	-9	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1900	471	0	464	0	462	0	457	0	320	0	320	0	-7	0	-7	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2000	460	0	453	0	455	0	448	0	320	0	320	0	-5	0	-5	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2100	453	0	446	0	442	0	437	0	320	0	320	0	-9	0	-7	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2200	444	0	437	0	435	0	430	0	320	0	320	0	-9	0	-7	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2300	439	0	432	0	430	0	424	0	320	0	320	0	-9	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
2400	385	0	378	0	381	0	378	0	320	0	320	0	-2	0	0	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		MIN MAX 50 B	S	WIND DIR2		MIN MAX 150A	S	WIND DIR3		MIN MAX 150B	S	WIND DIR4		MIN MAX	S	WIND DIR5		MIN MAX	S	WIND DIR6	
100	99	0	91	0	144	0	141	0	0	0	0	0	17	0	52	305	10	0	63	290	21	0	45	342	3	0	29	329	0	0	0	0	0	0
200	96	0	88	0	152	0	149	0	0	0	0	0	15	0	58	330	9	0	100	300	9	0	27	333	352	0	46	312	0	0	0	0	0	0
300	135	0	127	0	200	0	198	0	0	0	0	0	20	0	38	352	13	0	41	336	15	0	29	2	357	0	19	347	0	0	0	0	0	0
400	127	0	122	0	181	0	178	0	0	0	0	0	25	0	59	351	15	0	62	318	15	0	34	352	357	0	27	327	0	0	0	0	0	0
500	110	0	102	0	164	0	164	0	0	0	0	0	18	0	57	333	11	0	74	337	9	0	40	342	350	0	10	317	0	0	0	0	0	0
600	114	0	104	0	184	0	181	0	0	0	0	0	17	0	44	341	13	0	76	325	7	0	27	324	348	0	21	312	0	0	0	0	0	0
700	127	0	117	0	182	0	178	0	0	0	0	0	21	0	39	359	13	0	46	330	13	0	33	354	354	0	16	330	0	0	0	0	0	0
800	80	0	71	0	147	0	143	0	0	0	0	0	10	0	95	313	4	0	79	297	359	0	28	319	340	0	12	311	0	0	0	0	0	0
900	119	0	108	0	180	0	179	0	0	0	0	0	349	0	23	313	349	0	32	282	354	0	21	327	334	0	1	309	0	0	0	0	0	0
1000	107	0	101	0	160	0	152	0	0	0	0	0	353	0	43	299	346	0	76	302	1	0	45	335	340	0	19	300	0	0	0	0	0	0
1100	143	0	135	0	197	0	190	0	0	0	0	0	347	0	19	300	338	0	21	286	356	0	26	331	338	0	21	307	0	0	0	0	0	0
1200	102	0	98	0	176	0	172	0	0	0	0	0	3	0	59	309	356	0	90	285	357	0	28	303	338	0	30	296	0	0	0	0	0	0
1300	157	0	147	0	221	0	210	0	0	0	0	0	345	0	27	312	336	0	12	301	355	0	28	326	337	0	39	311	0	0	0	0	0	0
1400	164	0	153	0	222	0	219	0	0	0	0	0	345	0	17	317	336	0	13	286	354	0	23	336	335	0	16	309	0	0	0	0	0	0
1500	109	0	100	0	194	0	194	0	0	0	0	0	4	0	62	305	0	0	78	283	0	0	40	326	340	0	17	306	0	0	0	0	0	0
1600	165	0	158	0	238	0	227	0	0	0	0	0	348	0	19	315	339	0	12	280	356	0	28	328	336	0	14	296	0	0	0	0	0	0
1700	102	0	100	0	192	0	200	0	0	0	0	0	12	0	75	288	11	0	104	274	2	0	54	331	342	0	25	285	0	0	0	0	0	0
1800	168	0	158	0	274	0	265	0	0	0	0	0	14	0	56	323	11	0	86	292	5	0	33	321	347	0	20	294	0	0	0	0	0	0
1900	168	0	161	0	254	0	251	0	0	0	0	0	18	0	50	346	12	0	80	313	7	0	59	332	348	0	21	310	0	0	0	0	0	0
2000	161	0	152	0	216	0	210	0	0	0	0	0	26	0	53	3	17	0	56	331	19	0	46	355	1	0	30	329	0	0	0	0	0	0
2100	116	0	102	0	177	0	173	0	0	0	0	0	352	0	48	312	344	0	46	286	359	0	25	321	339	0	38	298	0	0	0	0	0	0
2200	110	0	104	0	183	0	181	0	0	0	0	0	14	0	70	325	7	0	67	300	3	0	41	319	343	0	23	309	0	0	0	0	0	0
2300	135	0	124	0	191	0	183	0	0	0	0	0	349	0	25	318	338	0	15	304	359	0	27	333	339	0	11	313	0	0	0	0	0	0
2400	183	0	169	0	236	0	230	0	0	0	0	0	348	0	13	318	340	0	18	306	354	0	25	339	335	0	19	315	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	401	0	394	0	401	0	394	0	320	0	320	0	0	0	2	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
200	370	0	363	0	383	0	358	0	320	0	320	0	-5	0	-4	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
300	374	0	367	0	369	0	365	0	320	0	320	0	-4	0	-2	0	0	0	0	0	278	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
400	374	0	367	0	365	0	360	0	320	0	320	0	-9	0	-7	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
500	370	0	365	0	363	0	358	0	320	0	320	0	-7	0	-7	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
600	369	0	361	0	360	0	354	0	320	0	320	0	-7	0	-7	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
700	369	0	363	0	361	0	356	0	320	0	320	0	-7	0	-5	0	0	0	0	0	256	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
800	361	0	354	0	351	0	345	0	320	0	320	0	-9	0	-7	0	0	0	0	0	251	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
900	367	0	361	0	358	0	352	0	320	0	320	0	-9	0	-7	0	0	0	0	0	254	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1000	361	0	354	0	351	0	345	0	320	0	320	0	-11	0	-9	0	0	0	0	0	236	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1100	372	0	365	0	360	0	354	0	320	0	320	0	-13	0	-11	0	0	0	0	0	247	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1200	370	0	365	0	356	0	351	0	320	0	320	0	-14	0	-13	0	0	0	0	0	238	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1300	369	0	361	0	354	0	351	0	320	0	320	0	-13	0	-11	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1400	367	0	361	0	356	0	351	0	320	0	320	0	-11	0	-9	0	0	0	0	0	249	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1500	365	0	358	0	347	0	342	0	320	0	320	0	-16	0	-14	0	0	0	0	0	238	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1600	354	0	347	0	342	0	336	0	320	0	320	0	-13	0	-11	0	0	0	0	0	254	0	0	0	0	0	0	0	0	0	0	0	0	0	222	0
1700	358	0	351	0	349	0	342	0	320	0	320	0	-11	0	-9	0	0	0	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0
1800	370	0	365	0	360	0	354	0	320	0	320	0	-11	0	-9	0	0	0	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0
1900	369	0	361	0	360	0	354	0	320	0	320	0	-9	0	-7	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0
2000	372	0	365	0	361	0	356	0	320	0	320	0	-9	0	-9	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0
2100	361	0	352	0	351	0	345	0	320	0	320	0	-7	0	-7	0	0	0	0	0	195	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0
2200	358	0	351	0	349	0	343	0	320	0	320	0	-7	0	-5	0	0	0	0	0	240	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0
2300	358	0	351	0	347	0	342	0	320	0	320	0	-9	0	-7	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0
2400	356	0	349	0	345	0	340	0	320	0	320	0	-11	0	-9	0	0	0	0	0	258	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
CODES FOR WIND DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	178	0	167	0	245	0	239	0	0	0	0	0	346	0	7	301	339	0	10	292	353	0	18	341		333	0	352	318	0	0	0	0	0	0
200	153	0	152	0	229	0	230	0	0	0	0	0	344	0	6	329	338	0	38	289	348	0	5	329		327	0	342	300	0	0	0	0	0	0
300	191	0	190	0	269	0	266	0	0	0	0	0	346	0	15	325	336	0	14	301	352	0	15	337		332	0	353	317	0	0	0	0	0	0
400	192	0	182	0	254	0	249	0	0	0	0	0	338	0	356	309	329	0	356	300	344	0	359	335		323	0	334	315	0	0	0	0	0	0
500	176	0	167	0	244	0	236	0	0	0	0	0	344	0	12	325	336	0	17	305	353	0	19	335		333	0	0	318	0	0	0	0	0	0
600	182	0	170	0	244	0	237	0	0	0	0	0	340	0	12	325	331	0	8	290	345	0	359	330		325	0	342	309	0	0	0	0	0	0
700	175	0	165	0	250	0	246	0	0	0	0	0	345	0	20	325	339	0	15	307	350	0	8	333		329	0	341	310	0	0	0	0	0	0
800	204	0	188	0	268	0	264	0	0	0	0	0	340	0	357	314	330	0	2	300	345	0	354	334		325	0	342	311	0	0	0	0	0	0
900	163	0	163	0	226	0	223	0	0	0	0	0	339	0	3	310	329	0	6	300	341	0	356	313		320	0	333	283	0	0	0	0	0	0
1000	172	0	166	0	245	0	242	0	0	0	0	0	348	0	14	322	336	0	13	287	349	0	4	334		329	0	345	307	0	0	0	0	0	0
1100	189	0	179	0	261	0	256	0	0	0	0	0	340	0	356	313	331	0	9	278	346	0	1	331		326	0	340	316	0	0	0	0	0	0
1200	167	0	169	0	229	0	226	0	0	0	0	0	336	0	2	307	329	0	7	278	342	0	7	325		322	0	347	296	0	0	0	0	0	0
1300	199	0	205	0	274	0	268	0	0	0	0	0	339	0	2	299	332	0	9	299	344	0	1	513		324	0	353	297	0	0	0	0	0	0
1400	200	0	199	0	281	0	276	0	0	0	0	0	338	0	2	292	332	0	22	306	344	0	2	330		324	0	340	310	0	0	0	0	0	0
1500	204	0	207	0	267	0	265	0	0	0	0	0	336	0	354	314	328	0	9	272	342	0	351	317		321	0	332	298	0	0	0	0	0	0
1600	193	0	188	0	257	0	250	0	0	0	0	0	340	0	358	317	333	0	3	309	345	0	354	322		324	0	345	312	0	0	0	0	0	0
1700	198	0	195	0	217	0	212	0	0	0	0	0	343	0	1	304	335	0	17	287	351	0	6	338		330	0	345	309	0	0	0	0	0	0
1800	157	0	156	0	217	0	211	0	0	0	0	0	338	0	7	310	330	0	5	288	346	0	359	337		325	0	337	313	0	0	0	0	0	0
1900	113	0	114	0	186	0	185	0	0	0	0	0	344	0	20	322	338	0	18	294	351	0	3	328		332	0	345	313	0	0	0	0	0	0
2000	116	0	112	0	191	0	187	0	0	0	0	0	13	0	46	322	10	0	49	304	10	0	34	318		350	0	20	273	0	0	0	0	0	0
2100	128	0	126	0	198	0	193	0	0	0	0	0	16	0	45	338	10	0	56	296	9	0	35	333		349	0	18	313	0	0	0	0	0	0
2200	170	0	166	0	220	0	214	0	0	0	0	0	28	0	48	8	20	0	49	349	22	0	45	350		3	0	30	332	0	0	0	0	0	0
2300	161	0	162	0	207	0	199	0	0	0	0	0	32	0	61	12	26	0	69	354	27	0	51	1		10	0	39	347	0	0	0	0	0	0
2400	133	0	127	0	186	0	180	0	0	0	0	0	25	0	45	1	20	0	51	348	19	0	49	352		2	0	34	338	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	358	0	351	0	347	0	342	0	320	0	320	0	-9	0	-7	0	0	0	0	0	256	0	0	0	0	0	0	0	0	0	0	0	0	1	223	0
200	358	0	349	0	347	0	342	0	320	0	320	0	-9	0	-7	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	1	223	0
300	358	0	351	0	347	0	342	0	320	0	320	0	-9	0	-9	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	1	223	0
400	359	0	347	0	343	0	338	0	320	0	320	0	-9	0	-9	0	0	0	0	0	220	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0
500	351	0	343	0	338	0	334	0	320	0	320	0	-11	0	-9	0	0	0	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0
600	349	0	343	0	338	0	333	0	320	0	320	0	-11	0	-9	0	0	0	0	0	261	0	0	0	0	0	0	0	0	0	0	0	0	1	223	0
700	347	0	340	0	334	0	329	0	320	0	320	0	-11	0	-11	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
800	349	0	342	0	336	0	331	0	320	0	320	0	-11	0	-9	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	1	224	0
900	352	0	345	0	342	0	336	0	320	0	320	0	-11	0	-9	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	1	224	0
1000	360	0	352	0	347	0	342	0	320	0	320	0	-11	0	-9	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	1	224	0
1100	358	0	351	0	347	0	342	0	320	0	320	0	-11	0	-9	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1200	354	0	349	0	343	0	338	0	320	0	320	0	-11	0	-9	0	0	0	0	0	285	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1300	352	0	345	0	343	0	334	0	320	0	320	0	-11	0	-9	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1400	351	0	343	0	340	0	333	0	320	0	320	0	-11	0	-9	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1500	358	0	351	0	345	0	340	0	320	0	320	0	-11	0	-9	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1600	365	0	358	0	354	0	349	0	320	0	320	0	-11	0	-9	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1700	378	0	370	0	365	0	360	0	320	0	320	0	-14	0	-11	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1800	372	0	365	0	361	0	356	0	320	0	320	0	-11	0	-9	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1900	365	0	358	0	356	0	351	0	320	0	320	0	-9	0	-7	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2000	365	0	358	0	358	0	351	0	320	0	320	0	-7	0	-5	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2100	360	0	351	0	351	0	345	0	320	0	320	0	-9	0	-7	0	0	0	0	0	285	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2200	360	0	352	0	349	0	343	0	320	0	320	0	-11	0	-9	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2300	356	0	349	0	343	0	338	0	320	0	320	0	-11	0	-9	0	0	0	0	0	233	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2400	347	0	340	0	336	0	331	0	320	0	320	0	-11	0	-9	0	0	0	0	0	238	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0

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

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1		MIN 50	MAX 3	S	WIND DIR2		MIN 150A	MAX	S	WIND DIR3		MIN 150B	MAX	S	WIND DIR4		MIN	MAX	S	WIND DIR5		MIN	MAX	S	WIND DIR6	
100	111	0	114	0	160	0	156	0	200	0	0	0	30	0	51	5		24	0	73	348		24	0	52	1		5	0	28	341		180	0	0	0		0	0
200	118	0	115	0	160	0	155	0	10	0	0	0	26	0	54	3		21	0	51	356		24	0	46	0		7	0	47	341		2	0	0	0		0	0
300	93	0	90	0	155	0	151	0	0	0	0	0	12	0	58	338		6	0	55	313		7	0	31	338		347	0	8	316		0	0	0	0		1	0
400	89	0	88	0	135	0	130	0	0	0	0	0	348	0	14	331		339	0	25	301		355	0	28	337		335	0	4	317		0	0	0	0		0	0
500	87	0	83	0	120	0	117	0	0	0	0	0	350	0	20	332		340	0	13	304		359	0	23	341		338	0	358	327		0	0	0	0		0	0
600	68	0	68	0	119	0	118	0	0	0	0	0	14	0	68	328		8	0	68	302		9	0	30	354		349	0	17	325		0	0	0	0		0	0
700	60	0	61	0	92	0	90	0	0	0	0	0	22	0	61	342		16	0	63	339		12	0	43	337		353	0	28	313		0	0	0	0		0	0
800	94	0	91	0	122	0	117	0	0	0	0	0	348	0	33	326		342	0	39	282		358	0	26	337		338	0	9	308		0	0	0	0		0	0
900	62	0	62	0	76	0	76	0	0	0	0	0	353	0	51	298		349	0	51	279		6	0	53	326		350	0	57	308		0	0	0	0		0	0
1000	75	0	74	0	90	0	90	0	0	0	0	0	347	0	57	293		340	0	43	290		359	0	32	315		340	0	17	283		0	0	0	0		0	0
1100	56	0	53	0	76	0	76	0	0	0	0	0	352	0	66	284		352	0	103	274		5	0	78	311		347	0	75	286		0	0	0	0		0	0
1200	80	0	81	0	94	0	93	0	0	0	0	0	341	0	8	302		335	0	13	296		354	0	29	330		334	0	6	304		0	0	0	0		0	0
1300	75	0	80	0	92	0	95	0	0	0	0	0	315	0	347	259		307	0	352	243		330	0	354	292		308	0	335	259		0	0	0	0		0	0
1400	69	0	76	0	97	0	99	0	0	0	0	0	317	0	350	253		310	0	349	236		334	0	6	299		312	0	334	286		0	0	0	0		0	0
1500	79	0	82	0	98	0	101	0	0	0	0	0	310	0	337	267		300	0	338	258		327	0	356	307		306	0	334	275		0	0	0	0		0	0
1600	63	0	70	0	92	0	91	0	0	0	0	0	26	0	62	324		20	0	82	289		12	0	49	322		354	0	40	271		0	0	0	0		0	0
1700	98	0	102	0	119	0	117	0	0	0	0	0	34	0	54	6		24	0	53	351		26	0	47	345		10	0	48	336		0	0	0	0		0	0
1800	84	0	83	0	94	0	92	0	0	0	0	0	26	0	54	5		21	0	61	358		30	0	72	357		13	0	52	347		0	0	0	0		0	0
1900	31	0	35	0	45	0	49	0	0	0	0	0	33	0	85	2		28	0	82	350		46	0	66	28		29	0	56	6		0	0	0	0		0	0
2000	50	0	64	0	84	0	94	0	0	0	0	0	61	0	74	49		58	0	75	45		64	0	70	56		49	0	55	40		0	0	0	0		0	0
2100	97	0	96	0	151	0	152	0	0	0	0	0	82	0	95	75		80	0	98	66		85	0	88	80		70	0	73	65		0	0	0	0		0	0
2200	113	0	112	0	197	0	191	0	0	0	0	0	92	0	103	78		92	0	109	66		87	0	90	86		72	0	75	70		0	0	0	0		0	0
2300	111	0	111	0	202	0	197	0	0	0	0	0	93	0	111	79		92	0	115	79		93	0	95	91		78	0	79	76		0	0	0	0		0	0
2400	108	0	105	0	175	0	183	0	0	0	0	0	109	0	262	102		107	0	125	0		111	0	115	0		103	0	101	94		0	0	0	0		0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	343	0	336	0	334	0	329	0	320	0	320	0	-11	0	-9	0	-3	0	0	0	276	0	200	0	0	0	0	0	0	0	0	0	0	0	224	0
200	343	0	336	0	333	0	327	0	320	0	320	0	-11	0	-9	0	-9	0	0	0	276	0	300	0	0	0	0	0	0	0	0	0	0	0	224	0
300	340	0	333	0	331	0	327	0	320	0	320	0	-9	0	-7	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
400	338	0	331	0	329	0	324	0	320	0	320	0	-11	0	-9	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	1	224	0
500	336	0	329	0	325	0	320	0	320	0	320	0	-11	0	-9	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	1	224	0
600	331	0	324	0	324	0	320	0	320	0	320	0	-7	0	-5	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
700	342	0	334	0	331	0	325	0	320	0	320	0	-13	0	-11	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
800	354	0	347	0	342	0	336	0	320	0	320	0	-11	0	-11	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
900	374	0	369	0	363	0	358	0	320	0	320	0	-11	0	-11	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1000	370	0	365	0	370	0	365	0	320	0	320	0	2	0	0	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1100	387	0	381	0	370	0	365	0	320	0	320	0	-18	0	-16	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1200	379	0	374	0	369	0	365	0	320	0	320	0	-11	0	-9	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1300	397	0	390	0	370	0	365	0	320	0	320	0	-29	0	-25	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1400	403	0	396	0	367	0	363	0	320	0	320	0	-34	0	-32	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1500	397	0	390	0	369	0	365	0	320	0	320	0	-29	0	-27	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	1	224	0
1600	388	0	385	0	376	0	372	0	320	0	320	0	-13	0	-14	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1700	381	0	376	0	376	0	370	0	320	0	320	0	-4	0	-4	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1800	383	0	378	0	381	0	376	0	320	0	320	0	-2	0	2	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1900	363	0	354	0	354	0	349	0	320	0	320	0	-7	0	-5	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	1	224	0
2000	363	0	352	0	374	0	367	0	320	0	320	0	11	0	14	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	1	224	0
2100	379	0	370	0	410	0	405	0	320	0	320	0	32	0	34	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	1	224	0
2200	383	0	378	0	428	0	423	0	320	0	320	0	45	0	47	0	0	0	0	0	000	292	0	0	0	1	0	0	0	0	0	0	0	1	224	0
2300	385	0	378	0	433	0	428	0	320	0	320	0	49	0	50	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2400	379	0	374	0	424	0	419	0	320	0	320	0	45	0	47	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0

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

1 DEGREES SC [illegible] DIRECTION 1 DEGREE DATUMPLE 01 INCHES NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	108	0	109	0	160	0	169	0	0	0	0	0	118	0	123	115	120	0	127	114	126	0	130	122	113	0	117	107	0	0	0	0	0	0
200	121	0	119	0	183	0	199	0	0	0	0	0	123	0	133	114	126	0	137	95	132	0	137	125	119	0	124	114	0	0	0	0	0	0
300	171	0	165	0	238	0	244	0	0	0	0	0	111	0	120	95	112	0	132	82	116	0	123	106	103	0	111	95	0	0	0	0	0	0
400	130	0	132	0	183	0	193	0	0	0	0	0	128	0	145	117	130	0	155	110	136	0	151	123	123	0	137	107	0	0	0	0	0	0
500	131	0	129	0	176	0	188	0	0	0	0	0	119	0	130	110	121	0	137	104	127	0	134	119	114	0	119	106	0	0	0	0	0	0
600	101	0	99	0	142	0	151	0	0	0	0	0	116	0	126	108	118	0	130	108	126	0	136	122	114	0	123	107	0	0	0	0	0	0
700	117	0	115	0	167	0	172	0	0	0	0	0	112	0	122	104	113	0	145	85	121	0	127	115	107	0	115	100	0	0	0	0	0	0
800	136	0	133	0	163	0	169	0	0	0	0	0	120	0	132	107	120	0	143	90	123	0	140	108	111	0	129	89	0	0	0	0	0	0
900	132	0	132	0	157	0	169	0	0	0	0	0	119	0	138	103	120	0	147	92	122	0	141	102	108	0	131	88	0	0	0	0	0	0
1000	163	0	163	0	189	0	205	0	0	0	0	0	121	0	143	98	122	0	150	82	123	0	139	94	111	0	127	89	0	0	0	0	0	0
1100	194	0	193	0	217	0	225	0	0	0	0	0	121	0	137	97	123	0	144	95	122	0	136	98	110	0	126	88	0	0	0	0	0	0
1200	160	0	157	0	180	0	187	0	0	0	0	0	117	0	135	88	117	0	147	80	118	0	148	86	105	0	136	78	0	0	0	0	0	0
1300	176	0	171	0	196	0	204	0	0	0	0	0	118	0	130	87	120	0	145	72	123	0	139	99	110	0	127	78	0	0	0	0	0	0
1400	201	0	199	0	237	0	245	0	0	0	0	0	119	0	136	100	121	0	147	97	120	0	133	102	107	0	134	91	0	0	0	0	0	0
1500	194	0	190	0	221	0	230	0	0	0	0	0	117	0	134	99	120	0	152	98	122	0	151	92	110	0	130	86	0	0	0	0	0	0
1600	185	0	182	0	220	0	229	0	0	0	0	0	119	0	139	96	123	0	147	92	123	0	151	95	111	0	132	90	0	0	0	0	0	0
1700	157	0	153	0	186	0	189	0	0	0	0	0	113	0	134	89	115	0	144	69	114	0	136	92	101	0	127	82	0	0	0	0	0	0
1800	147	0	143	0	176	0	181	0	0	0	0	0	114	0	136	92	117	0	148	90	115	0	143	96	102	0	128	83	0	0	0	0	0	0
1900	150	0	143	0	180	0	187	0	0	0	0	0	109	0	132	90	110	0	136	77	111	0	139	93	98	0	120	73	0	0	0	0	0	0
2000	159	0	153	0	190	0	197	0	0	0	0	0	114	0	129	96	116	0	147	91	116	0	130	93	104	0	133	84	0	0	0	0	0	0
2100	148	0	146	0	182	0	188	0	0	0	0	0	116	0	132	89	121	0	139	90	122	0	138	109	110	0	132	91	0	0	0	0	0	0
2200	144	0	138	0	176	0	182	0	0	0	0	0	118	0	133	99	120	0	142	80	117	0	130	98	103	0	117	82	0	0	0	0	0	0
2300	165	0	156	0	190	0	195	0	0	0	0	0	116	0	130	96	118	0	138	82	116	0	135	98	103	0	120	84	0	0	0	0	0	0
2400	172	0	166	0	211	0	216	0	0	0	0	0	118	0	135	85	120	0	155	82	118	0	135	105	107	0	132	89	0	0	0	0	0	0

	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	MAIN	S
100	394	0	387	0	424	0	419	0	320	0	320	0	31	0	32	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
200	396	0	388	0	421	0	415	0	320	0	320	0	25	0	27	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
300	390	0	383	0	403	0	397	0	320	0	320	0	13	0	14	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
400	392	0	385	0	396	0	390	0	320	0	320	0	4	0	5	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
500	379	0	372	0	387	0	381	0	320	0	320	0	9	0	11	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
600	369	0	361	0	379	0	374	0	320	0	320	0	11	0	13	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
700	367	0	361	0	376	0	370	0	320	0	320	0	7	0	11	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
800	390	0	383	0	383	0	378	0	320	0	320	0	-7	0	-7	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
900	414	0	406	0	401	0	396	0	320	0	320	0	-13	0	-11	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1000	435	0	428	0	424	0	417	0	320	0	320	0	-13	0	-13	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1100	448	0	441	0	433	0	426	0	320	0	320	0	-14	0	-14	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1200	477	0	471	0	460	0	455	0	320	0	320	0	-16	0	-14	0	0	0	0	0	349	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1300	500	0	495	0	484	0	478	0	320	0	320	0	-14	0	-14	0	0	0	0	0	358	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1400	516	0	511	0	502	0	496	0	320	0	320	0	-14	0	-13	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1500	525	0	520	0	513	0	507	0	320	0	320	0	-13	0	-13	0	0	0	0	0	365	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1600	522	0	516	0	511	0	505	0	320	0	320	0	-11	0	-11	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1700	518	0	513	0	507	0	502	0	320	0	320	0	-11	0	-9	0	0	0	0	0	358	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1800	514	0	509	0	505	0	500	0	320	0	320	0	-9	0	-7	0	0	0	0	0	354	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1900	502	0	495	0	495	0	489	0	320	0	320	0	-7	0	-5	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2000	487	0	480	0	478	0	473	0	320	0	320	0	-7	0	-7	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2100	473	0	468	0	466	0	460	0	320	0	320	0	-7	0	-7	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2200	455	0	448	0	446	0	439	0	320	0	320	0	-7	0	-7	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2300	444	0	437	0	435	0	430	0	320	0	320	0	-7	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2400	437	0	430	0	428	0	424	0	320	0	320	0	-7	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0

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

DEGREES, SPE [illegible] DEGREES, DEPTHS [illegible] INCHES, AND RADIATION [illegible] LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX S	WIND DIR2	MIN 150A	MAX S	WIND DIR3	MIN 150B	MAX S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	181	0	176	0	219	0	231	0	0	0	0	0	118	0	131	98	121	0	145	93	122	0	144	100	109	0	127	95	0 0
200	199	0	190	0	235	0	240	0	0	0	0	0	117	0	132	102	120	0	142	97	119	0	136	105	107	0	120	95	0 0
300	189	0	185	0	233	0	238	0	0	0	0	0	110	0	128	96	113	0	135	82	112	0	130	99	100	0	115	87	0 0
400	168	0	161	0	217	0	221	0	0	0	0	0	109	0	130	92	108	0	138	76	110	0	123	96	97	0	114	85	0 0
500	145	0	144	0	189	0	190	0	0	0	0	0	107	0	128	92	108	0	135	71	109	0	122	96	95	0	121	83	0 0
600	156	0	153	0	204	0	205	0	0	0	0	0	110	0	126	94	112	0	138	82	110	0	123	97	97	0	113	84	0 0
700	164	0	166	0	201	0	204	0	0	0	0	0	114	0	133	99	115	0	137	87	116	0	131	99	102	0	122	80	0 0
800	138	0	141	0	177	0	178	0	0	0	0	0	106	0	128	78	107	0	147	78	109	0	127	96	96	0	117	81	0 0
900	138	0	138	0	165	0	171	0	0	0	0	0	113	0	133	93	115	0	140	91	118	0	143	92	105	0	126	82	0 0
1000	174	0	174	0	208	0	212	0	0	0	0	0	114	0	141	91	118	0	151	83	117	0	133	98	102	0	130	71	0 0
1100	155	0	153	0	189	0	192	0	0	0	0	0	111	0	132	77	112	0	150	75	110	0	131	89	98	0	121	74	0 0
1200	150	0	153	0	203	0	200	0	0	0	0	0	109	0	131	69	108	0	140	79	107	0	128	81	93	0	129	66	0 0
1300	140	0	137	0	171	0	170	0	0	0	0	0	114	0	131	85	115	0	154	59	111	0	131	86	99	0	119	76	0 0
1400	136	0	141	0	194	0	194	0	0	0	0	0	98	0	118	68	99	0	134	62	101	0	120	78	86	0	110	63	0 0
1500	159	0	165	0	205	0	206	0	0	0	0	0	101	0	123	76	103	0	139	67	105	0	140	92	91	0	117	78	0 0
1600	148	0	145	0	173	0	173	0	0	0	0	0	112	0	137	86	114	0	146	79	111	0	141	84	98	0	133	67	0 0
1700	146	0	146	0	185	0	185	0	0	0	0	0	112	0	129	91	115	0	149	81	113	0	131	89	101	0	120	73	0 0
1800	176	0	177	0	218	0	224	0	0	0	0	0	115	0	134	93	117	0	148	82	119	0	146	102	107	0	128	85	0 0
1900	116	0	121	0	154	0	161	0	0	0	0	0	120	0	135	104	124	0	150	94	128	0	145	111	114	0	128	96	0 0
2000	157	0	158	0	201	0	205	0	0	0	0	0	111	0	131	86	114	0	143	87	115	0	128	101	102	0	122	83	0 0
2100	147	0	145	0	210	0	212	0	0	0	0	0	103	0	127	85	107	0	140	82	104	0	120	83	91	0	108	77	0 0
2200	132	0	136	0	195	0	195	0	0	0	0	0	102	0	118	84	104	0	138	77	105	0	115	90	90	0	106	72	0 0
2300	172	0	167	0	225	0	225	0	0	0	0	0	108	0	121	87	110	0	139	86	109	0	129	93	94	0	117	77	0 0
2400	129	0	127	0	186	0	189	0	0	0	0	0	102	0	120	80	108	0	137	77	106	0	124	94	92	0	108	78	0 0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	421	0	414	0	415	0	410	0	320	0	320	0	-5	0	-4	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
200	397	0	390	0	390	0	385	0	320	0	320	0	-7	0	-5	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
300	396	0	388	0	388	0	383	0	320	0	320	0	-7	0	-5	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
400	405	0	397	0	399	0	394	0	320	0	320	0	-5	0	-4	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
500	415	0	408	0	410	0	403	0	320	0	320	0	-5	0	-4	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
600	428	0	421	0	423	0	419	0	320	0	320	0	-5	0	-4	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
700	441	0	435	0	433	0	428	0	320	0	320	0	-7	0	-5	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
800	437	0	430	0	428	0	424	0	320	0	320	0	-9	0	-7	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
900	446	0	439	0	437	0	430	0	320	0	320	0	-11	0	-9	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1000	462	0	455	0	450	0	442	0	320	0	320	0	-13	0	-11	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	1	224	0
1100	464	0	457	0	451	0	444	0	320	0	320	0	-13	0	-11	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1200	475	0	468	0	464	0	459	0	320	0	320	0	-11	0	-9	0	0	0	0	0	378	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1300	498	0	493	0	487	0	480	0	320	0	320	0	-13	0	-11	0	0	0	0	0	354	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1400	516	0	511	0	502	0	496	0	320	0	320	0	-14	0	-13	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1500	545	0	540	0	529	0	523	0	320	0	320	0	-16	0	-16	0	0	0	0	0	376	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1600	567	0	559	0	554	0	549	0	320	0	320	0	-11	0	-11	0	0	0	0	0	383	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1700	577	0	572	0	567	0	561	0	320	0	320	0	-11	0	-11	0	0	0	0	0	385	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1800	572	0	567	0	563	0	558	0	320	0	320	0	-9	0	-9	0	0	0	0	0	383	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1900	549	0	543	0	543	0	538	0	320	0	320	0	-5	0	-4	0	0	0	0	0	369	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2000	522	0	514	0	516	0	511	0	320	0	320	0	-5	0	-4	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	1	224	0
2100	495	0	489	0	496	0	491	0	320	0	320	0	2	0	4	0	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2200	478	0	473	0	482	0	477	0	320	0	320	0	4	0	5	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2300	471	0	474	0	466	0	462	0	320	0	320	0	-5	0	-4	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2400	446	0	439	0	444	0	439	0	320	0	320	0	2	0	0	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	150	0	150	0	204	0	206	0	0	0	0	0	110	0	120	90	112	0	130	86	112	0	124	103	99	0	114	88	0	0	0	0	0	0
200	152	0	149	0	206	0	205	0	0	0	0	0	108	0	128	92	110	0	140	83	111	0	124	92	97	0	112	78	0	0	0	0	0	0
300	171	0	167	0	223	0	226	0	0	0	0	0	107	0	121	92	108	0	133	74	110	0	122	98	97	0	112	94	0	0	0	0	0	0
400	177	0	173	0	232	0	234	0	0	0	0	0	110	0	123	99	113	0	135	85	111	0	123	93	98	0	111	88	0	0	0	0	0	0
500	152	0	150	0	214	0	215	0	0	0	0	0	106	0	124	93	109	0	153	76	109	0	123	98	96	0	106	92	0	0	0	0	0	0
600	151	0	148	0	209	0	209	0	0	0	0	0	106	0	122	88	108	0	131	86	106	0	120	95	93	0	110	79	0	0	0	0	0	0
700	163	0	162	0	212	0	214	0	0	0	0	0	109	0	125	94	111	0	134	80	113	0	129	96	99	0	115	78	0	0	0	0	0	0
800	163	0	162	0	206	0	206	0	0	0	0	0	111	0	129	89	114	0	148	88	112	0	125	95	99	0	115	79	0	0	0	0	0	0
900	146	0	148	0	189	0	192	0	0	0	0	0	101	0	142	75	106	0	159	70	109	0	133	86	96	0	124	73	0	0	0	0	0	0
1000	149	0	153	0	189	0	171	0	0	0	0	0	114	0	140	91	117	0	158	89	117	0	145	80	103	0	124	74	0	0	0	0	0	0
1100	155	0	158	0	171	0	172	0	0	0	0	0	115	0	133	93	118	0	143	82	117	0	142	89	104	0	129	81	0	0	0	0	0	0
1200	136	0	142	0	173	0	176	0	0	0	0	0	111	0	150	71	115	0	171	70	122	0	158	98	108	0	144	76	0	0	0	0	0	0
1300	170	0	173	0	196	0	199	0	0	0	0	0	116	0	136	74	120	0	149	71	122	0	147	86	108	0	130	79	0	0	0	0	0	0
1400	152	0	159	0	183	0	190	0	0	0	0	0	119	0	150	94	122	0	153	80	125	0	158	94	111	0	143	84	0	0	0	0	0	0
1500	163	0	166	0	186	0	192	0	0	0	0	0	115	0	146	71	119	0	143	83	121	0	158	84	110	0	140	78	0	0	0	0	0	0
1600	128	0	133	0	150	0	154	0	0	0	0	0	111	0	146	68	114	0	153	59	116	0	149	74	104	0	140	63	0	0	0	0	0	0
1700	130	0	133	0	149	0	154	0	0	0	0	0	111	0	135	67	115	0	146	65	109	0	142	79	97	0	126	65	0	0	0	0	0	0
1800	119	0	122	0	152	0	154	0	0	0	0	0	99	0	130	78	100	0	138	60	102	0	132	79	90	0	110	64	0	0	0	0	0	0
1900	93	0	97	0	125	0	129	0	0	0	0	0	113	0	133	96	117	0	141	98	119	0	139	107	107	0	124	91	0	0	0	0	0	0
2000	79	0	81	0	131	0	131	0	0	0	0	0	97	0	108	80	101	0	126	75	102	0	108	98	89	0	97	81	0	0	0	0	0	0
2100	90	0	90	0	146	0	148	0	0	0	0	0	109	0	127	96	111	0	136	82	113	0	120	106	101	0	109	93	0	0	0	0	0	0
2200	47	0	51	0	93	0	96	0	0	0	0	0	139	0	162	127	141	0	187	130	147	0	154	139	135	0	143	122	0	0	0	0	0	0
2300	72	0	73	0	105	0	107	0	0	0	0	0	101	0	124	83	103	0	136	79	118	0	131	106	107	0	121	91	0	0	0	0	0	0
2400	93	0	97	0	146	0	155	0	0	0	0	0	119	0	128	112	122	0	137	110	126	0	135	120	115	0	121	108	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	433	0	426	0	432	0	426	0	320	0	320	0	2	0	0	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
200	424	0	417	0	421	0	415	0	320	0	320	0	-4	0	2	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
300	412	0	405	0	408	0	403	0	320	0	320	0	-4	0	2	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
400	401	0	394	0	397	0	392	0	320	0	320	0	-2	0	0	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
500	385	0	379	0	385	0	379	0	320	0	320	0	2	0	2	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
600	372	0	365	0	370	0	365	0	320	0	320	0	2	0	0	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
700	378	0	370	0	370	0	365	0	320	0	320	0	-7	0	-7	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
800	403	0	396	0	390	0	387	0	320	0	320	0	-11	0	-11	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
900	450	0	442	0	432	0	424	0	320	0	320	0	-20	0	-18	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1000	487	0	480	0	475	0	469	0	320	0	320	0	-13	0	-13	0	0	0	0	0	354	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1100	527	0	522	0	514	0	507	0	320	0	320	0	-16	0	-14	0	0	0	0	0	202	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1200	552	0	547	0	534	0	529	0	320	0	320	0	-18	0	-16	0	0	0	0	0	202	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1300	572	0	567	0	556	0	550	0	320	0	320	0	-16	0	-16	0	0	0	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1400	586	0	581	0	570	0	565	0	320	0	320	0	-16	0	-16	0	0	0	0	0	399	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1500	588	0	583	0	572	0	567	0	320	0	320	0	-16	0	-16	0	0	0	0	0	397	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1600	588	0	583	0	574	0	567	0	320	0	320	0	-16	0	-16	0	0	0	0	0	396	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1700	586	0	581	0	576	0	568	0	320	0	320	0	-13	0	-13	0	0	0	0	0	399	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1800	583	0	577	0	572	0	567	0	320	0	320	0	-13	0	-13	0	0	0	0	0	396	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1900	558	0	552	0	554	0	547	0	320	0	320	0	-5	0	-4	0	0	0	0	0	379	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2000	522	0	513	0	529	0	523	0	320	0	320	0	9	0	13	0	0	0	0	0	354	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2100	495	0	487	0	507	0	502	0	320	0	320	0	14	0	16	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2200	473	0	464	0	489	0	482	0	320	0	320	0	16	0	20	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2300	442	0	433	0	457	0	450	0	320	0	320	0	13	0	16	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2400	428	0	423	0	442	0	437	0	320	0	320	0	13	0	16	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	118	0	118	0	184	0	187	0	0	0	0	0	113	0	121	103	116	0	141	96	120	0	126	113	108	0	120	101	0	0	0	0	0	0
200	124	0	123	0	180	0	182	0	0	0	0	0	109	0	124	98	111	0	131	92	118	0	127	111	107	0	117	98	0	0	0	0	0	0
300	68	0	70	0	112	0	114	0	0	0	0	0	103	0	118	92	106	0	124	82	117	0	120	112	106	0	112	98	0	0	0	0	0	0
400	84	0	85	0	131	0	132	0	0	0	0	0	107	0	116	97	110	0	135	93	113	0	120	106	101	0	109	92	0	0	0	0	0	0
500	82	0	84	0	134	0	136	0	0	0	0	0	100	0	116	88	100	0	115	83	112	0	114	107	100	0	105	97	0	0	0	0	0	0
600	95	0	97	0	142	0	143	0	0	0	0	0	94	0	110	86	95	0	116	81	104	0	109	102	92	0	97	90	0	0	0	0	0	0
700	105	0	106	0	163	0	165	0	0	0	0	0	106	0	120	95	111	0	142	94	110	0	114	107	98	0	102	97	0	0	0	0	0	0
800	115	0	115	0	159	0	159	0	0	0	0	0	111	0	126	92	114	0	137	75	116	0	127	97	105	0	121	85	0	0	0	0	0	0
900	127	0	133	0	153	0	155	0	0	0	0	0	123	0	139	90	127	0	155	92	129	0	154	100	118	0	143	90	0	0	0	0	0	0
1000	131	0	135	0	165	0	169	0	0	0	0	0	123	0	142	107	127	0	158	95	133	0	166	113	124	0	157	96	0	0	0	0	0	0
1100	110	0	119	0	142	0	148	0	0	0	0	0	130	0	163	102	135	0	166	95	140	0	164	123	130	0	152	111	0	0	0	0	0	0
1200	99	0	108	0	134	0	136	0	0	0	0	0	123	0	152	93	127	0	167	70	132	0	164	86	121	0	154	77	0	0	0	0	0	0
1300	128	0	132	0	155	0	155	0	0	0	0	0	114	0	155	89	118	0	160	80	115	0	160	92	104	0	142	77	0	0	0	0	0	0
1400	83	0	88	0	100	0	101	0	0	0	0	0	121	0	165	80	125	0	174	71	119	0	150	63	108	0	177	37	0	0	0	0	0	0
1500	98	0	107	0	119	0	124	0	0	0	0	0	106	0	144	54	108	0	170	57	110	0	156	63	97	0	137	43	0	0	0	0	0	0
1600	172	0	122	0	132	0	176	0	0	0	0	0	98	0	158	293	108	0	179	0	107	0	157	0	155	0	129	63	0	0	0	0	0	0
1700	128	0	129	0	143	0	155	0	0	0	0	0	124	0	140	294	123	0	150	0	125	0	144	0	118	0	119	85	0	0	0	0	0	0
1800	112	0	116	0	139	0	146	0	0	0	0	0	119	0	143	96	123	0	148	84	125	0	157	102	112	0	135	89	0	0	0	0	0	0
1900	89	0	97	0	131	0	135	0	0	0	0	0	128	0	145	111	133	0	169	108	136	0	153	112	124	0	140	106	0	0	0	0	0	0
2000	84	0	86	0	133	0	139	0	0	0	0	0	123	0	133	112	126	0	147	109	135	0	144	125	123	0	133	117	0	0	0	0	0	0
2100	77	0	82	0	132	0	141	0	0	0	0	0	133	0	145	116	136	0	151	120	140	0	147	130	126	0	137	116	0	0	0	0	0	0
2200	103	0	108	0	147	0	160	0	0	0	0	0	124	0	144	116	128	0	155	104	134	0	147	120	122	0	137	106	0	0	0	0	0	0
2300	116	0	121	0	158	0	170	0	0	0	0	0	123	0	139	106	124	0	151	99	133	0	147	119	120	0	135	102	0	0	0	0	0	0
2400	137	0	144	0	182	0	192	0	0	0	0	0	124	0	139	112	129	0	155	105	133	0	147	119	121	0	136	106	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	412	0	405	0	430	0	424	0	320	0	320	0	18	0	20	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
200	390	0	383	0	399	0	394	0	320	0	320	0	9	0	11	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
300	376	0	367	0	383	0	378	0	320	0	320	0	9	0	13	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
400	367	0	360	0	376	0	370	0	320	0	320	0	9	0	11	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
500	359	0	347	0	370	0	365	0	320	0	320	0	14	0	16	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
600	342	0	333	0	365	0	358	0	320	0	320	0	22	0	25	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
700	336	0	331	0	358	0	351	0	320	0	320	0	20	0	22	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
800	370	0	363	0	360	0	354	0	320	0	320	0	-9	0	-9	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
900	437	0	430	0	421	0	415	0	320	0	320	0	-16	0	-14	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1000	486	0	478	0	468	0	464	0	320	0	320	0	-16	0	-16	0	0	0	0	0	358	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1100	513	0	507	0	491	0	487	0	320	0	320	0	-22	0	-20	0	0	0	0	0	374	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1200	545	0	540	0	529	0	520	0	320	0	320	0	-22	0	-22	0	0	0	0	0	392	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1300	559	0	554	0	540	0	532	0	320	0	320	0	-20	0	-20	0	0	0	0	0	387	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1400	586	0	581	0	570	0	565	0	320	0	320	0	-18	0	-18	0	0	0	0	0	403	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1500	595	0	592	0	583	0	574	0	320	0	320	0	-16	0	-18	0	0	0	0	0	401	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1600	597	0	590	0	586	0	576	0	320	0	320	0	-14	0	-14	0	0	0	0	0	399	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1700	592	0	586	0	581	0	574	0	320	0	320	0	-13	0	-13	0	0	0	0	0	397	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1800	590	0	583	0	579	0	574	0	320	0	320	0	-11	0	-11	0	0	0	0	0	396	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
1900	568	0	561	0	565	0	558	0	320	0	320	0	-5	0	-4	0	0	0	0	0	379	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2000	540	0	532	0	549	0	543	0	320	0	320	0	9	0	11	0	0	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2100	514	0	509	0	531	0	518	0	320	0	320	0	9	0	11	0	0	0	0	0	358	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2200	500	0	493	0	500	0	495	0	320	0	320	0	0	0	2	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2300	486	0	480	0	482	0	477	0	320	0	320	0	-4	0	-4	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0
2400	477	0	471	0	473	0	468	0	320	0	320	0	-5	0	-4	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	224	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	140	0	152	0	192	0	199	0	0	0	0	0	125	0	139	111	128	0	148	106	134	0	150	122	121	0	132	108	0	0	0	0	0	0
200	152	0	159	0	189	0	206	0	0	0	0	0	123	0	137	113	127	0	145	108	133	0	154	120	121	0	136	107	0	0	0	0	0	0
300	170	0	178	0	222	0	232	0	0	0	0	0	125	0	138	113	129	0	153	107	133	0	146	118	121	0	130	110	0	0	0	0	0	0
400	145	0	152	0	194	0	207	0	0	0	0	0	125	0	138	113	129	0	145	106	134	0	146	119	122	0	132	106	0	0	0	0	0	0
500	141	0	147	0	178	0	193	0	0	0	0	0	122	0	134	111	126	0	141	109	130	0	144	115	118	0	130	102	0	0	0	0	0	0
600	138	0	143	0	170	0	183	0	0	0	0	0	120	0	129	111	123	0	147	103	130	0	137	115	118	0	128	107	0	0	0	0	0	0
700	139	0	144	0	187	0	193	0	0	0	0	0	127	0	140	114	132	0	166	101	135	0	151	116	123	0	137	106	0	0	0	0	0	0
800	144	0	152	0	201	0	206	0	0	0	0	0	128	0	146	110	132	0	148	103	137	0	153	119	125	0	140	107	0	0	0	0	0	0
900	148	0	161	0	198	0	206	0	0	0	0	0	129	0	147	118	135	0	153	120	140	0	168	122	127	0	141	111	0	0	0	0	0	0
1000	135	0	148	0	188	0	198	0	0	0	0	0	130	0	144	118	134	0	157	109	142	0	160	116	129	0	154	108	0	0	0	0	0	0
1100	158	0	164	0	208	0	213	0	0	0	0	0	127	0	148	112	131	0	161	111	135	0	150	112	122	0	143	99	0	0	0	0	0	0
1200	144	0	158	0	216	0	219	0	0	0	0	0	132	0	156	114	136	0	176	108	141	0	156	125	129	0	149	115	0	0	0	0	0	0
1300	143	0	153	0	191	0	200	0	0	0	0	0	127	0	143	113	132	0	172	105	136	0	153	120	124	0	140	111	0	0	0	0	0	0
1400	121	0	137	0	193	0	196	0	0	0	0	0	134	0	156	114	139	0	185	113	146	0	165	122	132	0	151	110	0	0	0	0	0	0
1500	132	0	144	0	194	0	201	0	0	0	0	0	129	0	145	116	133	0	151	113	137	0	150	114	125	0	139	105	0	0	0	0	0	0
1600	104	0	116	0	190	0	197	0	0	0	0	0	148	0	207	119	152	0	204	127	156	0	182	134	142	0	165	125	0	0	0	0	0	0
1700	140	0	151	0	184	0	196	0	0	0	0	0	124	0	137	108	129	0	153	110	138	0	154	122	127	0	142	112	0	0	0	0	0	0
1800	79	0	92	0	146	0	148	0	0	0	0	0	151	0	176	113	153	0	186	98	166	0	186	145	154	0	168	130	0	0	0	0	0	0
1900	93	0	103	0	167	0	169	0	0	0	0	0	144	0	200	114	148	0	209	114	155	0	187	130	144	0	195	116	0	0	0	0	0	0
2000	64	0	70	0	124	0	121	0	0	0	0	0	162	0	219	130	161	0	232	119	174	0	191	156	162	0	179	146	0	0	0	0	0	0
2100	107	0	99	0	162	0	149	0	0	0	0	0	219	0	269	146	218	0	261	108	221	0	254	187	206	0	251	168	0	0	0	0	0	0
2200	63	0	67	0	123	0	121	0	0	0	0	0	166	0	263	136	164	0	250	119	172	0	193	152	160	0	207	137	0	0	0	0	0	0
2300	69	0	69	0	122	0	113	0	0	0	0	0	167	0	255	134	168	0	216	115	180	0	201	142	166	0	234	115	0	0	0	0	0	0
2400	85	0	81	0	156	0	135	0	0	0	0	0	176	0	225	141	177	0	235	125	186	0	208	164	174	0	205	151	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	468	0	460	0	469	0	459	0	320	0	320	0	-4	0	-2	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
200	444	0	441	0	444	0	439	0	320	0	320	0	-4	0	-2	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
300	439	0	432	0	433	0	428	0	320	0	320	0	-5	0	-5	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
400	432	0	424	0	426	0	423	0	320	0	320	0	-4	0	-4	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
500	426	0	421	0	421	0	415	0	32000	0	320	0	-5	0	-4	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
600	419	0	412	0	415	0	410	0	320	0	320	0	-4	0	-2	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
700	426	0	419	0	417	0	414	0	320	0	320	0	-7	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
800	455	0	448	0	442	0	437	0	320	0	320	0	-11	0	-11	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
900	482	0	475	0	473	0	469	0	320	0	320	0	-9	0	-7	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
1000	504	0	498	0	500	0	489	0	320	0	320	0	-9	0	-9	0	0	0	0	0	360	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
1100	541	0	534	0	527	0	525	0	320	0	320	0	-13	0	-13	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
1200	576	0	570	0	565	0	559	0	320	0	320	0	-11	0	-11	0	0	0	0	0	388	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
1300	576	0	570	0	570	0	565	0	320	0	320	0	-7	0	-7	0	0	0	0	0	381	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
1400	576	0	568	0	572	0	565	0	320	0	320	0	-5	0	-4	0	0	0	0	0	376	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
1500	531	0	523	0	534	0	527	0	320	0	320	0	2	0	2	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
1600	513	0	507	0	513	0	507	0	320	0	320	0	0	0	0	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
1700	516	0	511	0	513	0	507	0	320	0	320	0	-5	0	-4	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	16	6
1800	529	0	523	0	522	0	518	0	320	0	320	0	-7	0	-7	0	0	0	0	0	365	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0
1900	529	0	522	0	522	0	518	0	320	0	320	0	-7	0	-5	0	0	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0
2000	520	0	513	0	520	0	513	0	320	0	320	0	0	0	2	0	0	0	0	0	396	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0
2100	489	0	484	0	489	0	484	0	320	0	320	0	0	0	0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	35	6
2200	473	0	466	0	475	0	469	0	320	0	320	0	2	0	4	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2300	475	0	468	0	473	0	468	0	320	0	320	0	-2	0	0	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	46	0
2400	475	0	468	0	475	0	469	0	320	0	320	0	0	0	2	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	46	0

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

DEGREES, SP[illegible]

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	59	0	53	0	126	0	107	0	0	0	0	0	189	0	237	127	193	0	245	138	201	0	230	172	188	0	204	165	0	0	0	0	0	0
200	74	0	75	0	145	0	132	0	0	0	0	0	169	0	207	125	167	0	209	120	180	0	202	158	168	0	219	150	0	0	0	0	0	0
300	103	0	85	0	173	0	151	0	0	0	0	0	206	0	248	129	203	0	269	124	207	0	251	173	194	0	229	130	0	0	0	0	0	0
400	88	0	86	0	158	0	152	0	0	0	0	0	155	0	189	127	157	0	197	127	173	0	190	152	161	0	171	143	0	0	0	0	0	0
500	98	0	101	0	179	0	185	0	0	0	0	0	145	0	166	127	148	0	184	119	160	0	178	144	149	0	160	125	0	0	0	0	0	0
600	108	0	111	0	189	0	195	0	0	0	0	0	150	0	174	132	152	0	192	125	164	0	184	150	153	0	167	135	0	0	0	0	0	0
700	122	0	123	0	214	0	204	0	0	0	0	0	160	0	200	130	159	0	207	118	171	0	190	140	158	0	179	132	0	0	0	0	0	0
800	94	0	89	0	185	0	158	0	0	0	0	0	181	0	261	129	180	0	250	107	190	0	237	147	182	0	267	121	0	0	0	0	0	0
900	109	0	95	0	187	0	159	0	0	0	0	0	179	0	226	106	181	0	254	96	192	0	215	166	181	0	252	128	0	0	0	0	0	0
1000	116	0	97	0	197	0	166	0	0	0	0	0	196	0	249	97	200	0	263	123	200	0	220	178	188	0	252	154	0	0	0	0	0	0
1100	129	0	112	0	183	0	166	0	0	0	0	0	222	0	283	183	218	0	268	130	215	0	254	179	202	0	232	157	0	0	0	0	0	0
1200	122	0	114	0	195	0	202	0	0	0	0	0	235	0	261	209	232	0	268	197	235	0	262	209	221	0	243	188	0	0	0	0	0	0
1300	96	0	94	0	145	0	154	0	0	0	0	0	241	0	277	201	239	0	284	192	245	0	276	202	229	0	256	190	0	0	0	0	0	0
1400	97	0	98	0	203	0	222	0	0	0	0	0	255	0	283	220	253	0	294	198	266	0	284	247	248	0	274	208	0	0	0	0	0	0
1500	128	0	130	0	191	0	202	0	0	0	0	0	261	0	286	235	259	0	285	224	267	0	285	250	251	0	267	235	0	0	0	0	0	0
1600	92	0	90	0	147	0	158	0	0	0	0	0	238	0	269	202	237	0	286	194	247	0	276	220	231	0	258	197	0	0	0	0	0	0
1700	88	0	87	0	109	0	115	0	0	0	0	0	284	0	316	246	274	0	340	241	291	0	342	257	273	0	309	245	0	0	0	0	0	0
1800	66	0	67	0	95	0	102	0	0	0	0	0	254	0	278	229	252	0	289	218	262	0	275	252	246	0	258	231	0	0	0	0	0	0
1900	30	0	29	0	32	0	36	0	0	0	0	0	27	3	104	289	24	3	108	271	359	0	107	275	344	0	108	277	0	0	0	0	0	0
2000	65	0	61	0	91	0	97	0	0	0	0	0	254	0	303	188	251	0	311	190	253	0	289	195	236	0	267	188	0	0	0	0	0	0
2100	45	0	42	0	66	0	69	0	0	0	0	0	126	0	139	114	128	0	145	109	140	0	146	126	126	0	136	117	0	0	0	0	0	0
2200	80	0	78	0	85	0	86	0	0	0	0	0	120	0	124	118	123	0	129	112	137	0	143	133	122	0	131	121	0	0	0	0	0	0
2300	82	0	80	0	147	0	152	0	0	0	0	0	138	0	157	114	139	0	164	120	147	0	162	138	136	0	147	122	0	0	0	0	0	0
2400	86	0	86	0	131	0	140	0	0	0	0	0	129	0	149	114	130	0	150	106	135	0	146	122	124	0	136	106	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	475	0	468	0	478	0	473	0	320	0	320	0	5	0	5	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	46	0
200	469	0	462	0	469	0	464	0	320	0	320	0	2	0	4	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	45	0
300	469	0	464	0	469	0	466	0	320	0	320	0	2	0	2	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	47	0
400	459	0	453	0	462	0	457	0	320	0	320	0	4	0	5	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0
500	464	0	459	0	468	0	462	0	320	0	320	0	4	0	4	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0
600	475	0	469	0	478	0	475	0	320	0	320	0	4	0	5	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0
700	487	0	480	0	484	0	478	0	320	0	320	0	-2	0	2	0	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0
800	500	0	495	0	496	0	491	0	320	0	320	0	-5	0	-4	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0
900	516	0	511	0	509	0	500	0	320	0	320	0	-11	0	-11	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0
1000	552	0	545	0	534	0	529	0	320	0	320	0	-18	0	-16	0	0	0	0	0	383	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0
1100	559	0	552	0	543	0	538	0	320	0	320	0	-14	0	-13	0	0	0	0	0	385	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0
1200	522	0	514	0	511	0	505	0	320	0	320	0	-9	0	-9	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0
1300	518	0	511	0	518	0	513	0	320	0	320	0	0	0	2	0	0	0	0	0	367	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0
1400	504	0	498	0	507	0	500	0	320	0	320	0	0	0	2	0	0	0	0	0	369	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0
1500	480	0	473	0	484	0	478	0	320	0	320	0	4	0	5	0	0	0	0	0	349	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0
1600	444	0	437	0	451	0	442	0	320	0	320	0	5	0	5	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0
1700	471	0	464	0	471	0	466	0	320	0	320	0	2	0	2	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0
1800	469	0	462	0	471	0	464	0	320	0	320	0	0	0	2	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0
1900	466	0	459	0	460	0	455	0	320	0	320	0	-5	0	-4	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0
2000	471	0	466	0	475	0	469	0	320	0	320	0	4	0	5	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0
2100	475	0	468	0	486	0	480	0	320	0	320	0	13	0	14	0	0	0	0	0	339	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0
2200	477	0	471	0	496	0	491	0	320	0	320	0	20	0	22	0	0	0	0	0	336	0	0	0	1	0	0	0	0	0	0	0	0	1	50	0
2300	475	0	468	0	502	0	495	0	320	0	320	0	27	0	29	0	0	0	0	0	339	0	0	0	0	0	0	0	0	0	0	0	0	1	50	0
2400	486	0	480	0	491	0	486	0	320	0	320	0	5	0	7	0	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	1	50	0

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

RECORDING RESOLUTION: TEMPERATURE 1 DEGREES, W

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S		
100	79	0	78	0	112	0	121	0	0	0	0	0	125	0	145	105	127	0	161	104	137	0	162	116	125	0	152	198	0	0	0	0	0	0
200	139	0	131	0	176	0	189	0	0	0	0	0	126	0	152	107	127	0	152	89	131	0	151	111	121	0	142	109	0	0	0	0	0	0
300	101	0	98	0	133	0	147	0	0	0	0	0	126	0	139	110	128	0	155	109	131	0	154	122	119	0	132	107	0	0	0	0	0	0
400	40	0	36	0	33	0	37	0	0	0	0	0	259	0	308	233	256	0	306	223	249	0	295	214	236	0	276	199	0	0	0	0	0	0
500	19	0	15	0	30	0	26	0	0	0	0	0	215	0	247	162	213	0	249	160	192	0	208	167	178	0	198	156	0	0	0	0	0	0
600	60	0	56	0	70	0	74	0	0	0	0	0	108	0	119	94	108	0	123	89	128	0	138	117	117	0	122	107	0	0	0	0	0	0
700	48	0	44	0	68	0	71	0	0	0	0	0	109	0	125	94	110	0	136	90	131	0	174	117	118	0	158	107	0	0	0	0	0	0
800	32	0	28	0	51	0	55	0	0	0	0	0	119	0	131	102	120	0	135	87	148	0	156	133	138	0	153	121	0	0	0	0	0	0
900	31	0	28	0	27	0	31	0	0	0	0	0	259	0	278	206	239	0	274	194	242	0	284	229	230	0	261	207	0	0	0	0	0	0
1000	45	0	46	0	47	0	54	0	0	0	0	0	79	0	136	40	76	0	165	38	78	0	114	48	61	0	118	28	0	0	0	0	0	0
1100	46	0	48	0	49	0	58	0	0	0	0	0	62	0	88	36	59	0	90	28	60	0	85	33	44	0	64	14	0	0	0	0	0	0
1200	32	0	30	0	27	0	30	0	0	0	0	0	308	0	357	235	302	3	353	221	16	3	82	321	0	3	115	284	0	0	0	0	0	0
1300	45	0	45	0	75	0	75	0	0	0	0	0	6	0	179	289	352	0	136	273	21	0	54	349	2	0	35	297	0	0	0	0	0	0
1400	114	0	110	0	123	0	124	0	0	3	0	0	84	0	114	56	86	0	118	53	88	0	108	62	72	0	96	49	0	0	0	0	0	0
1500	119	0	120	0	132	0	137	0	0	0	0	0	88	0	119	61	87	0	137	45	87	0	114	60	71	0	105	49	0	0	0	0	0	0
1600	113	0	123	0	127	0	145	0	0	0	0	0	75	0	111	40	73	0	129	34	72	0	115	48	56	0	104	34	0	0	0	0	0	0
1700	118	0	124	0	138	0	152	0	0	0	0	0	76	0	118	55	73	0	109	44	77	0	118	47	60	0	96	38	0	0	0	0	0	0
1800	128	0	143	0	151	0	180	0	0	0	0	0	67	0	90	46	64	0	99	35	67	0	87	48	52	0	65	32	0	0	0	0	0	0
1900	83	0	85	0	94	0	111	0	0	0	0	0	47	0	77	28	42	0	78	16	52	0	72	31	35	0	63	15	0	0	0	0	0	0
2000	87	0	88	0	118	0	125	0	0	0	0	0	45	0	68	13	41	0	67	15	45	0	60	28	28	0	53	14	0	0	0	0	0	0
2100	59	0	58	0	93	0	98	0	0	0	0	0	43	0	70	16	37	0	54	357	45	0	68	17	26	0	53	5	0	0	0	0	0	0
2200	97	0	90	0	135	0	132	0	0	0	0	0	31	0	51	3	28	0	50	334	33	0	50	13	16	0	48	0	0	0	0	0	0	0
2300	57	0	53	0	100	0	100	0	0	0	0	0	25	0	52	350	21	0	55	319	39	0	54	23	21	0	40	6	0	0	0	0	0	0
2400	106	0	99	0	152	0	147	0	0	0	0	0	25	0	48	0	20	0	40	348	26	0	45	355	8	0	31	342	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	500	0	493	0	504	0	498	0	320	0	320	0	4	0	5	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	1	50	0
200	495	0	487	0	491	0	486	0	320	0	320	0	-4	0	2	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	1	51	0
300	475	0	469	0	473	0	468	0	320	0	320	0	-2	0	2	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	1	51	0
400	459	0	451	0	457	0	450	0	320	0	320	0	-2	0	0	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	1	51	0
500	455	0	446	0	464	0	459	0	320	0	320	0	9	0	13	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	51	0
600	453	0	446	0	460	0	455	0	320	0	320	0	7	0	9	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	3	51	0
700	448	0	441	0	464	0	459	0	320	0	320	0	14	0	16	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	3	51	0
800	455	0	446	0	457	0	450	0	320	0	320	0	2	0	4	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	3	51	0
900	486	0	480	0	475	0	471	0	320	0	320	0	-11	0	-9	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	3	51	0
1000	511	0	507	0	498	0	493	0	320	0	320	0	-13	0	-14	0	0	0	0	0	369	0	0	0	0	0	0	0	0	0	0	0	0	3	51	0
1100	518	0	511	0	504	0	498	0	320	0	320	0	-11	0	-11	0	0	0	0	0	365	0	0	0	0	0	0	0	0	0	0	0	0	3	51	0
1200	525	0	520	0	558	0	550	0	320	0	320	0	31	0	31	0	0	0	0	0	387	0	0	0	0	0	0	0	0	0	0	0	0	3	51	0
1300	496	0	491	0	504	0	498	0	320	0	320	0	9	0	9	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	3	51	0
1400	519	0	509	0	502	0	496	0	320	0	320	0	-13	0	-13	0	0	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	3	51	0
1500	536	0	531	0	518	0	513	0	320	0	320	0	-18	0	-18	0	0	0	0	0	379	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1600	538	0	534	0	525	0	520	0	320	0	320	0	-15	0	-14	0	0	0	0	0	376	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1700	532	0	527	0	520	0	514	0	320	0	320	0	-13	0	-13	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1800	516	0	511	0	504	0	498	0	320	0	320	0	-13	0	-11	0	0	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0
1900	489	0	482	0	478	0	473	0	320	0	320	0	-9	0	-9	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0
2000	471	0	464	0	462	0	459	0	320	0	320	0	-7	0	-7	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	3	54	0
2100	460	0	453	0	457	0	451	0	320	0	320	0	-4	0	0	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	1	54	1
2200	428	0	421	0	433	0	430	0	320	0	320	0	7	0	9	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	55	0
2300	432	0	424	0	441	0	435	0	320	0	320	0	11	0	11	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	55	0
2400	421	0	414	0	424	0	419	0	320	0	320	0	5	0	5	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	55	0

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

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	142	0	133	0	179	0	175	0	0	0	0	0	32	0	49	14	27	0	56	1	33	0	48	11	15	0	37	357	0	0	0	0	0	0	0	0
200	125	0	117	0	147	0	144	0	0	0	0	0	29	0	53	7	23	0	66	356	32	0	55	14	14	0	38	347	0	0	0	0	0	0	0	0
300	120	0	115	0	158	0	155	0	0	0	0	0	30	0	53	14	25	0	61	357	32	0	49	8	13	0	46	354	0	0	0	0	0	0	0	0
400	134	0	128	0	169	0	168	0	0	0	0	0	29	0	52	8	24	0	57	4	27	0	55	6	9	0	32	344	0	0	0	0	0	0	0	0
500	108	0	102	0	149	0	149	0	0	0	0	0	27	0	48	5	22	0	63	353	24	0	45	359	6	0	37	343	0	0	0	0	0	0	0	0
600	100	0	98	0	139	0	138	0	0	0	0	0	37	0	65	13	31	0	85	1	36	0	55	8	18	0	39	346	0	0	0	0	0	0	0	0
700	114	0	104	0	145	0	143	0	0	0	0	0	22	0	56	354	16	0	47	344	21	0	41	346	2	0	21	335	0	0	0	0	0	0	0	0
800	113	0	108	0	156	0	155	0	0	0	0	0	24	0	60	357	16	0	49	339	17	0	40	357	0	0	23	338	0	0	0	0	0	0	0	0
900	114	0	109	0	146	0	144	0	0	0	0	0	28	0	49	2	21	0	48	352	22	0	51	1	5	0	38	338	0	0	0	0	0	0	0	0
1000	129	0	122	0	158	0	152	0	0	0	0	0	30	0	50	6	26	0	56	354	29	0	51	7	12	0	38	349	0	0	0	0	0	0	0	0
1100	101	0	93	0	124	0	121	0	0	0	0	0	27	0	53	3	20	0	57	350	26	0	47	358	10	0	27	345	0	0	0	0	0	0	0	0
1200	128	0	120	0	162	0	156	0	0	0	0	0	26	0	48	3	19	0	48	346	26	0	46	6	9	0	27	349	0	0	0	0	0	0	0	0
1300	119	0	110	0	158	0	156	0	0	0	0	0	23	0	54	358	18	0	54	329	23	0	50	6	6	0	37	348	0	0	0	0	0	0	0	0
1400	134	0	125	0	166	0	160	0	0	0	0	0	27	0	55	358	21	0	60	346	21	0	43	356	4	0	3	344	0	0	0	0	0	0	0	0
1500	124	0	116	0	155	0	154	0	0	0	0	0	29	0	50	1	23	0	52	350	24	0	47	359	7	0	38	339	0	0	0	0	0	0	0	0
1600	136	0	129	0	181	0	174	0	0	0	0	0	26	0	55	333	21	0	55	347	27	0	49	355	7	0	30	330	0	0	0	0	0	0	0	0
1700	122	0	116	0	160	0	157	0	0	0	0	0	28	0	48	5	23	0	66	349	26	0	48	358	10	0	34	342	0	0	0	0	0	0	0	0
1800	116	0	112	0	150	0	147	0	0	0	0	0	25	0	52	354	18	0	67	355	21	0	40	353	3	0	27	342	0	0	0	0	0	0	0	0
1900	119	0	112	0	155	0	150	0	0	0	0	0	23	0	43	354	15	0	55	327	16	0	42	354	0	0	20	331	0	0	0	0	0	0	0	0
2000	117	0	111	0	157	0	155	0	0	0	0	0	31	0	59	4	23	0	52	342	24	0	61	344	8	0	38	341	0	0	0	0	0	0	0	0
2100	134	0	126	0	172	0	171	0	0	0	0	0	33	0	51	17	28	0	59	354	33	0	54	15	16	0	42	354	0	0	0	0	0	0	0	0
2200	122	0	114	0	155	0	153	0	0	0	0	0	28	0	52	348	21	0	55	345	25	0	41	354	8	0	33	335	0	0	0	0	0	0	0	0
2300	108	0	100	0	143	0	139	0	0	0	0	0	27	0	52	0	21	0	66	354	31	0	49	16	13	0	31	354	0	0	0	0	0	0	0	0
2400	111	0	107	0	146	0	142	0	0	0	0	0	29	0	51	9	22	0	57	337	31	0	49	14	13	0	30	358	0	0	0	0	0	0	0	0

	AMB. TEMP1 30 A	S	AMB. TEMP2 30 B	S	AMB. TEMP3 180A	S	AMB. TEMP4 180B	S	AMB. TEMP5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PAIN	S
100	426	0	421	0	424	0	419	0	320	0	320	0	-2	0	0	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	55	0
200	410	0	405	0	414	0	399	0	320	0	320	0	-4	0	-2	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	55	0
300	403	0	396	0	401	0	396	0	320	0	320	0	-2	0	0	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	1	0	0	58	0
400	403	0	396	0	399	0	394	0	320	0	320	0	-4	0	2	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	1	0	0	59	0
500	394	0	387	0	387	0	383	0	320	0	320	0	-5	0	-4	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	59	0
600	415	0	408	0	412	0	408	0	320	0	320	0	-2	0	0	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	59	0
700	390	0	383	0	385	0	379	0	320	0	320	0	-5	0	-4	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0
800	387	0	379	0	379	0	376	0	320	0	320	0	-7	0	-5	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0
900	390	0	385	0	385	0	379	0	320	0	320	0	-5	0	-4	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0
1000	396	0	390	0	394	0	387	0	320	0	320	0	-4	0	-2	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	1	0	0	64	0
1100	410	0	403	0	406	0	401	0	320	0	320	0	-2	0	0	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0
1200	394	0	387	0	390	0	387	0	320	0	320	0	-4	0	0	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0
1300	394	0	388	0	390	0	385	0	320	0	320	0	-4	0	-2	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0
1400	394	0	388	0	388	0	385	0	320	0	320	0	-5	0	-4	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0
1500	394	0	387	0	387	0	383	0	320	0	320	0	-5	0	-4	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	1	0	0	65	0
1600	392	0	385	0	387	0	383	0	320	0	320	0	-4	0	-2	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0
1700	394	0	388	0	392	0	387	0	320	0	320	0	2	0	0	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0
1800	388	0	381	0	383	0	378	0	320	0	320	0	-5	0	-4	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0
1900	379	0	374	0	374	0	369	0	320	0	320	0	-7	0	-5	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0
2000	379	0	374	0	374	0	369	0	320	0	320	0	-7	0	-5	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	1	0	0	65	0
2100	390	0	383	0	385	0	381	0	320	0	320	0	-5	0	-4	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	1	0	0	65	0
2200	385	0	378	0	379	0	376	0	320	0	320	0	-4	0	-2	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	1	0	0	65	0
2300	388	0	381	0	387	0	383	0	320	0	320	0	2	0	0	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0
2400	405	0	397	0	403	0	397	0	320	0	320	0	2	0	0	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX B	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	101	0	94	0	133	0	134	0	0	0	0	0	37	0	61	21	31	0	64	7	39	0	57	21	21	0	38	4	0	0	0	0	0	0	0
200	105	0	99	0	134	0	130	0	0	0	0	0	24	0	50	7	17	0	45	351	29	0	47	8	11	0	30	348	0	0	0	0	0	0	0
300	143	0	135	0	166	0	161	0	0	0	0	0	28	0	47	3	22	0	47	2	30	0	51	12	13	0	30	354	0	0	0	0	0	0	0
400	112	0	106	0	146	0	145	0	0	0	0	0	33	0	55	9	27	0	72	354	36	0	55	15	18	0	50	2	0	0	0	0	0	0	0
500	131	0	124	0	161	0	160	0	0	0	0	0	30	0	53	8	24	0	60	355	33	0	63	6	16	0	46	357	0	0	0	0	0	0	0
600	87	0	85	0	116	0	121	0	0	0	0	0	45	0	80	11	40	0	86	6	43	0	74	14	27	0	67	359	0	0	0	0	0	0	0
700	117	0	112	0	147	0	145	0	0	0	0	0	39	0	61	25	33	0	66	354	40	0	63	19	22	0	48	4	0	0	0	0	0	0	0
800	107	0	99	0	132	0	132	0	0	0	0	0	32	0	57	10	27	0	64	346	38	0	59	18	19	0	46	359	0	0	0	0	0	0	0
900	116	0	108	0	152	0	149	0	0	0	0	0	31	0	75	0	25	0	75	346	33	0	54	14	15	0	38	356	0	0	0	0	0	0	0
1000	121	0	113	0	145	0	143	0	0	0	0	0	31	0	56	358	25	0	62	300	31	0	53	358	11	0	33	329	0	0	0	0	0	0	0
1100	133	0	129	0	152	0	153	0	0	0	0	0	28	0	57	358	21	0	55	353	27	0	56	358	9	0	41	337	0	0	0	0	0	0	0
1200	137	0	128	0	159	0	155	0	0	0	0	0	30	0	54	7	23	0	52	337	26	0	59	355	9	0	37	348	0	0	0	0	0	0	0
1300	141	0	133	0	178	0	175	0	0	0	0	0	23	0	45	351	19	0	70	331	15	0	44	343	356	0	23	317	0	0	0	0	0	0	0
1400	153	0	144	0	192	0	189	0	0	0	0	0	23	0	48	348	15	0	58	319	17	0	43	337	358	0	19	320	0	0	0	0	0	0	0
1500	162	0	155	0	206	0	202	0	0	0	0	0	19	0	42	351	14	0	49	338	18	0	38	357	359	0	16	340	0	0	0	0	0	0	0
1600	146	0	138	0	186	0	181	0	0	0	0	0	25	0	53	346	18	0	47	305	22	0	43	359	5	0	48	328	0	0	0	0	0	0	0
1700	145	0	135	0	174	0	172	0	0	0	0	0	27	0	50	341	22	0	48	348	24	0	44	355	7	0	35	341	0	0	0	0	0	0	0
1800	127	0	120	0	165	0	161	0	0	0	0	0	28	0	48	1	22	0	54	331	21	0	53	346	2	0	26	333	0	0	0	0	0	0	0
1900	148	0	139	0	185	0	181	0	0	0	0	0	26	0	49	4	22	0	47	353	23	0	44	358	4	0	25	343	0	0	0	0	0	0	0
2000	129	0	125	0	163	0	159	0	0	0	0	0	29	0	52	0	25	0	61	347	22	0	47	343	4	0	39	335	0	0	0	0	0	0	0
2100	142	0	136	0	177	0	175	0	0	0	0	0	29	0	49	4	22	0	46	345	24	0	54	1	6	0	38	339	0	0	0	0	0	0	0
2200	144	0	136	0	188	0	186	0	0	0	0	0	25	0	45	355	20	0	53	344	19	0	41	353	2	0	28	340	0	0	0	0	0	0	0
2300	132	0	127	0	171	0	169	0	0	0	0	0	31	0	54	6	26	0	59	358	20	0	45	1	3	0	33	343	0	0	0	0	0	0	0
2400	137	0	129	0	187	0	183	0	0	0	0	0	23	0	47	353	17	0	62	338	14	0	44	346	354	0	22	318	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	405	0	399	0	403	0	399	0	320	0	320	0	2	0	0	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0
200	405	0	399	0	401	0	396	0	320	0	320	0	-4	0	2	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	71	0
300	390	0	383	0	387	0	381	0	320	0	320	0	-4	0	2	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	74	0
400	408	0	401	0	405	0	399	0	320	0	320	0	-4	0	-2	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	76	[illegible]
500	406	0	399	0	401	0	397	0	320	0	320	0	-4	0	-2	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	77	0
600	408	0	401	0	401	0	397	0	320	0	320	0	-5	0	-4	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	80	0
700	423	0	415	0	417	0	412	0	320	0	320	0	-4	0	-4	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
800	419	0	412	0	417	0	412	0	320	0	320	0	2	0	0	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
900	415	0	410	0	412	0	408	0	320	0	320	0	-4	0	-2	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1000	417	0	412	0	412	0	408	0	320	0	320	0	-5	0	-4	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1100	410	0	405	0	406	0	401	0	320	0	320	0	-4	0	-4	0	0	0	0	0	346	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1200	396	0	390	0	392	0	387	0	320	0	320	0	-4	0	-4	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1300	397	0	392	0	392	0	387	0	320	0	320	0	-5	0	-5	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1400	390	0	383	0	381	0	378	0	320	0	320	0	-7	0	-5	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1500	385	0	379	0	376	0	372	0	320	0	320	0	-9	0	-7	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1600	376	0	369	0	367	0	361	0	320	0	320	0	-9	0	-7	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1700	370	0	363	0	363	0	356	0	320	0	32		-9	0	-7	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1800	369	0	363	0	360	0	356	0	320	0	326	0	-9	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
1900	372	0	365	0	361	0	358	0	320	0	320	0	-9	0	-7	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2000	369	0	363	0	360	0	354	0	320	0	320	0	-9	0	-7	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
2100	369	0	361	0	358	0	354	0	320	0	320	0	-9	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
2200	369	0	361	0	360	0	354	0	320	0	320	0	-9	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
2300	363	0	356	0	352	0	347	0	320	0	320	0	-9	0	-7	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
2400	365	0	358	0	352	0	349	0	320	0	320	0	-11	0	-9	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	119	0	111	0	167	0	163	0	0	0	0	0	22	0	58	353	13	0	61	328	13	0	49	341	356	0	37	320	0	0	0	0
200	124	0	115	0	170	0	171	0	0	0	0	0	22	0	55	345	15	0	60	332	12	0	30	349	352	0	14	331	0	0	0	0
300	117	0	111	0	173	0	173	0	0	0	0	0	20	0	53	349	12	0	53	331	10	0	60	341	349	0	16	309	0	0	0	0
400	117	0	108	0	171	0	168	0	0	0	0	0	21	0	50	338	14	0	83	338	10	0	48	337	352	0	24	320	0	0	0	0
500	124	0	118	0	182	0	175	0	0	0	0	0	24	0	51	352	17	0	60	339	7	0	41	330	348	0	25	306	0	0	0	0
600	109	0	92	0	183	0	178	0	0	0	0	0	356	0	53	306	353	0	76	294	0	0	24	324	338	0	26	271	0	0	0	0
700	150	0	133	0	222	0	213	0	0	0	0	0	349	0	35	313	343	0	49	274	357	0	32	325	338	0	27	318	0	0	0	0
800	169	0	151	0	239	0	235	0	0	0	0	0	349	0	33	315	348	0	57	284	355	0	27	298	336	0	27	301	0	0	0	0
900	216	0	200	0	288	0	278	0	0	0	0	0	348	0	21	315	338	0	35	286	353	0	16	320	333	0	14	308	0	0	0	0
1000	214	0	197	0	282	0	270	0	0	0	0	0	348	0	27	329	340	0	57	309	355	0	17	357	335	0	3	320	0	0	0	0
1100	174	0	164	0	241	0	243	0	0	0	0	0	325	0	354	294	320	0	357	262	336	0	3	312	315	0	346	290	0	0	0	0
1200	180	0	178	0	240	0	237	0	0	0	0	0	313	0	335	288	305	0	331	254	325	0	335	317	305	0	312	297	0	0	0	0
1300	205	0	199	0	287	0	285	0	0	0	0	0	328	0	354	301	323	0	60	289	337	0	356	320	318	0	349	305	0	0	0	0
1400	200	0	200	0	266	0	267	0	0	0	0	0	329	0	354	269	322	0	0	276	338	0	354	302	316	0	334	297	0	0	0	0
1500	196	0	186	0	255	0	249	0	0	0	0	0	349	0	1	311	337	0	6	291	350	0	6	337	329	0	354	308	0	0	0	0
1600	180	0	173	0	237	0	234	0	0	0	0	0	345	0	18	310	338	0	3	304	351	0	4	328	331	0	358	309	0	0	0	0
1700	182	0	173	0	231	0	224	0	0	0	0	0	346	0	13	324	339	0	16	304	352	0	12	319	332	0	358	312	0	0	0	0
1800	144	0	133	0	207	0	200	0	0	0	0	0	349	0	24	324	340	0	26	284	355	0	68	324	338	0	27	305	0	0	0	0
1900	144	0	128	0	192	0	187	0	0	0	0	0	346	0	16	323	339	0	21	296	359	0	26	327	340	0	13	305	0	0	0	0
2000	122	0	114	0	190	0	189	0	0	0	0	0	352	0	57	284	346	0	61	277	359	0	38	324	340	0	17	304	0	0	0	0
2100	90	0	83	0	155	0	148	0	0	0	0	0	9	0	55	316	5	0	66	279	2	0	48	319	340	0	57	279	0	0	0	0
2200	101	0	91	0	151	0	151	0	0	0	0	0	357	0	55	309	355	0	99	295	359	0	60	311	341	0	145	308	0	0	0	0
2300	112	0	101	0	153	0	149	0	0	0	0	0	348	0	23	317	342	0	38	283	359	0	39	331	338	0	5	306	0	0	0	0
2400	118	0	112	0	157	0	152	0	0	0	0	0	347	0	32	319	341	0	22	303	352	0	19	325	332	0	7	308	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	367	0	361	0	358	0	352	0	320	0	320	0	-9	0	-7	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
200	367	0	360	0	356	0	351	0	320	0	320	0	-9	0	-7	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
300	365	0	358	0	354	0	349	0	320	0	320	0	-9	0	-7	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
400	367	0	360	0	356	0	351	0	320	0	320	0	-9	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
500	367	0	360	0	356	0	351	0	320	0	320	0	-9	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
600	365	0	358	0	354	0	351	0	320	0	320	0	-9	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
700	365	0	356	0	352	0	347	0	320	0	320	0	-9	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
800	358	0	351	0	345	0	342	0	320	0	320	0	-11	0	-9	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
900	343	0	336	0	333	0	329	0	320	0	320	0	-11	0	-9	0	0	0	0	0	285	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
1000	336	0	331	0	324	0	322	0	320	0	320	0	-13	0	-11	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
1100	325	0	317	0	314	0	308	0	320	0	320	0	-11	0	-7	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	85	0
1200	324	0	315	0	314	0	308	0	320	0	320	0	-9	0	-7	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	89	0
1300	324	0	315	0	312	0	308	0	320	0	320	0	-9	0	-7	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	91	0
1400	329	0	322	0	314	0	310	0	320	0	320	0	-13	0	-11	0	0	0	0	0	276	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1500	334	0	327	0	320	0	315	0	320	0	320	0	-13	0	-11	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1600	336	0	331	0	325	0	320	0	320	0	320	0	-13	0	-11	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1700	342	0	334	0	331	0	325	0	320	0	320	0	-11	0	-9	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1800	343	0	336	0	331	0	327	0	320	0	320	0	-11	0	-9	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1900	342	0	334	0	331	0	327	0	320	0	320	0	-11	0	-9	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
2000	343	0	336	0	333	0	329	0	320	0	320	0	-11	0	-9	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
2100	345	0	338	0	334	0	331	0	320	0	320	0	-9	0	-7	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
2200	349	0	342	0	338	0	333	0	320	0	320	0	-11	0	-9	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
2300	349	0	342	0	338	0	333	0	320	0	320	0	-11	0	-9	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
2400	351	0	343	0	338	0	334	0	320	0	320	0	-11	0	-9	0	0	0	0	0	285	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0

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

TEMPERATURE 1 DEGREE, SPEED 1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	
100	94	0	88	0	133	0	130	0	0	0	0	0	349	0	46	306	342	0	53	291	357	0	31	309	339	0	12	299	0	0	0	0	0	0	0	0	
200	95	0	88	0	141	0	138	0	0	0	0	0	16	0	56	337	8	0	69	321	7	0	24	331	347	0	13	307	0	0	0	0	0	0	0	0	
300	100	0	90	0	134	0	137	0	0	0	0	0	19	0	59	349	11	0	53	314	9	0	35	331	349	0	15	390	0	0	0	0	0	0	0	0	
400	91	0	82	0	106	0	107	0	0	0	0	0	27	0	52	333	21	0	66	346	21	0	53	349	2	0	26	333	0	0	0	0	0	0	0	0	
500	118	0	109	0	138	0	135	0	0	0	0	0	31	0	61	8	24	0	70	355	30	0	54	5	9	0	32	341	0	0	0	0	0	0	0	0	
600	110	0	102	0	136	0	133	0	0	0	0	0	32	0	56	9	23	0	72	349	22	0	53	338	4	0	28	336	0	0	0	0	0	0	0	0	
700	90	0	83	0	118	0	116	0	0	0	0	0	24	0	53	3	15	0	55	337	18	0	37	1	359	0	19	331	0	0	0	0	0	0	0	0	
800	88	0	83	0	99	0	100	0	0	0	0	0	33	0	65	356	26	0	66	338	19	0	54	343	2	0	45	319	0	0	0	0	0	0	0	0	
900	61	0	67	0	86	0	82	0	0	0	0	0	19	0	177	294	342	0	67	290	16	0	177	330	347	0	31	313	0	0	0	0	0	0	0	0	
1000	88	0	96	0	124	0	121	0	0	0	0	0	344	0	21	275	338	0	9	295	351	0	24	331	330	0	359	297	0	0	0	0	0	0	0	0	
1100	94	0	111	0	133	0	142	0	0	0	0	0	351	0	59	278	350	0	49	302	359	0	46	313	349	0	178	279	0	0	0	0	0	0	0	0	
1200	60	0	72	0	118	0	115	0	0	0	0	0	12	0	83	300	8	0	57	274	1	0	40	309	344	0	37	301	0	0	0	0	0	0	0	0	
1300	67	0	69	0	101	0	100	0	0	0	0	0	20	0	65	310	12	0	75	310	8	0	35	327	352	0	30	317	0	0	0	0	0	0	0	0	
1400	51	0	50	0	86	0	85	0	0	0	0	0	13	0	68	291	8	0	158	272	6	0	45	313	349	0	52	279	0	0	0	0	0	0	0	0	
1500	83	0	76	0	113	0	112	0	0	0	0	0	349	0	34	304	344	0	38	290	359	0	40	333	340	0	27	305	0	0	0	0	0	0	0	0	
1600	88	0	84	0	127	0	127	0	0	0	0	0	21	0	53	346	12	0	55	304	15	0	43	324	355	0	24	313	0	0	0	0	0	0	0	0	
1700	76	0	74	0	107	0	105	0	0	0	0	0	352	0	19	321	345	0	54	297	2	0	29	337	342	0	10	305	0	0	0	0	0	0	0	0	
1800	85	0	77	0	114	0	114	0	0	0	0	0	17	0	38	343	9	0	48	327	10	0	43	337	350	0	15	322	0	0	0	0	0	0	0	0	
1900	65	0	61	0	89	0	88	0	0	0	0	0	18	0	65	326	13	0	77	311	16	0	42	348	357	0	17	314	0	0	0	0	0	0	0	0	
2000	53	0	49	0	79	0	78	0	0	0	0	0	8	0	47	312	2	0	46	308	8	0	32	303	350	0	28	313	0	0	0	0	0	0	0	0	
2100	75	0	69	0	94	0	94	0	0	0	0	0	24	0	52	347	17	0	41	342	24	0	45	359	7	0	24	343	0	0	0	0	0	0	0	0	
2200	64	0	60	0	89	0	88	0	0	0	0	0	27	0	49	8	21	0	51	352	31	0	45	6	14	0	28	342	0	0	0	0	0	0	0	0	
2300	25	0	26	0	39	0	47	0	0	0	0	0	45	3	66	25	40	3	72	18	51	0	56	45	34	0	43	24	0	0	0	0	0	0	0	0	
2400	39	0	37	0	60	0	71	0	0	0	0	0	94	0	103	79	92	0	102	79	74	0	81	66	59	0	66	50	0	0	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	354	0	347	0	342	0	338	0	320	0	320	0	-11	0	-9	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
200	358	0	351	0	345	0	340	0	320	0	320	0	-11	0	-9	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
300	358	0	351	0	345	0	342	0	320	0	320	0	-11	0	-9	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
400	360	0	352	0	349	0	343	0	320	0	320	0	-11	0	-9	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
500	360	0	352	0	349	0	343	0	320	0	320	0	-11	0	-9	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
600	365	0	358	0	354	0	349	0	320	0	320	0	-9	0	-7	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
700	365	0	358	0	354	0	349	0	320	0	320	0	-9	0	-7	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
800	379	0	374	0	370	0	365	0	320	0	320	0	-9	0	-9	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
900	383	0	376	0	374	0	369	0	320	0	320	0	-11	0	-11	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1000	399	0	367	0	390	0	356	0	320	0	320	0	-5	0	-11	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1100	381	0	383	0	367	0	369	0	320	0	320	0	-11	0	-9	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1200	385	0	379	0	367	0	363	0	320	0	320	0	-16	0	-16	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1300	376	0	370	0	363	0	358	0	320	0	320	0	-13	0	-11	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1400	374	0	369	0	361	0	356	0	320	0	320	0	-13	0	-11	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1500	374	0	369	0	361	0	356	0	320	0	320	0	-13	0	-11	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1600	374	0	369	0	361	0	358	0	320	0	320	0	-11	0	-9	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1700	369	0	361	0	360	0	351	0	320	0	320	0	-11	0	-9	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
1800	365	0	358	0	354	0	349	0	320	0	320	0	-9	0	-7	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	93	0
1900	365	0	358	0	354	0	349	0	320	0	320	0	-9	0	-7	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	94	0
2000	363	0	358	0	354	0	349	0	320	0	320	0	-7	0	-7	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	94	0
2100	369	0	363	0	361	0	358	0	320	0	320	0	-7	0	-5	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2200	372	0	367	0	370	0	365	0	320	0	320	0	0	0	2	0	0	0	0	0	294	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2300	372	0	367	0	370	0	365	0	320	0	320	0	0	0	2	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
2400	376	0	369	0	383	0	378	0	320	0	320	0	9	0	11	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	31	0	29	0	50	0	51	0	0	0	0	0	18	0	56	288	15	3	62	316	22	0	40	348	6	0	25	345	0	0	0	0	0	0
200	63	0	59	0	100	0	99	0	0	0	0	0	27	0	53	6	22	0	45	333	26	0	34	18	9	0	22	0	0	0	0	0	0	0
300	43	0	41	0	81	0	80	0	0	0	0	0	18	0	54	342	11	0	56	333	27	0	40	11	11	0	21	347	0	0	0	0	0	0
400	35	0	35	0	84	0	83	0	0	0	0	0	50	0	75	32	44	0	78	17	44	0	49	36	26	0	29	20	0	0	0	0	0	0
500	53	0	53	0	91	0	90	0	0	0	0	0	47	0	60	36	42	0	59	18	46	0	50	44	27	0	32	25	0	0	0	0	0	0
600	31	0	30	0	42	0	45	0	0	0	0	0	14	0	49	326	7	3	54	315	37	0	56	356	19	0	40	349	0	0	0	0	0	0
700	30	0	32	0	58	0	70	0	0	0	0	0	80	3	104	62	76	0	110	57	71	0	74	63	55	0	61	50	0	0	0	0	0	0
800	0	4	11	0	24	0	26	0	0	0	0	0	241	3	334	91	36	3	165	274	62	3	90	19	50	3	88	1	0	0	0	0	0	0
900	26	0	29	0	27	0	29	0	0	0	0	0	258	0	300	229	255	0	294	222	242	0	261	216	229	0	258	198	0	0	0	0	0	0
1000	50	0	53	0	48	0	49	0	0	0	0	0	257	0	287	218	255	0	285	216	251	0	277	228	234	0	258	204	0	0	0	0	0	0
1100	38	0	39	0	58	2	39	0	0	0	0	0	248	0	334	190	247	0	313	199	165	0	248	0	226	0	262	198	0	0	0	0	0	0
1200	40	0	42	0	52	0	57	0	0	0	0	0	254	0	284	234	252	0	273	236	265	0	283	254	249	0	256	237	0	0	0	0	0	0
1300	87	0	40	0	86	0	44	0	0	0	0	0	253	0	289	180	251	0	295	187	235	0	266	177	226	0	262	189	0	0	0	0	0	0
1400	45	0	46	0	44	0	49	0	0	0	0	0	264	0	286	244	262	0	290	226	265	0	281	243	249	0	262	222	0	0	0	0	0	0
1500	58	0	61	0	58	0	63	0	0	0	0	0	268	0	299	242	264	0	301	227	265	0	298	245	249	0	273	230	0	0	0	0	0	0
1600	54	0	51	0	58	0	60	0	0	0	0	0	303	0	329	258	296	0	336	248	316	0	333	304	295	0	314	279	0	0	0	0	0	0
1700	47	0	46	0	62	0	64	0	0	0	0	0	309	0	341	269	301	0	334	254	317	0	344	294	296	0	329	275	0	0	0	0	0	0
1800	43	0	44	0	60	0	62	0	0	0	0	0	320	0	351	277	312	0	344	203	333	0	15	302	311	0	10	285	0	0	0	0	0	0
1900	39	0	40	0	57	0	58	0	0	0	0	0	348	0	31	277	344	0	45	293	349	0	27	315	329	0	17	280	0	0	0	0	0	0
2000	51	0	51	0	84	0	84	0	0	0	0	0	46	0	82	26	42	0	79	15	37	0	56	18	21	0	38	8	0	0	0	0	0	0
2100	57	0	69	0	92	0	111	0	0	0	0	0	60	0	69	50	56	0	78	35	53	0	56	50	36	0	43	32	0	0	0	0	0	0
2200	34	0	36	0	57	0	69	0	0	0	0	0	80	0	97	58	78	0	98	80	59	0	68	52	44	0	54	35	0	0	0	0	0	0
2300	40	0	46	0	62	0	76	0	0	0	0	0	68	0	72	64	65	0	69	58	65	0	70	60	51	0	55	48	0	0	0	0	0	0
2400	48	0	57	0	94	0	111	0	0	0	0	0	61	0	67	55	57	0	62	50	54	0	57	50	37	0	43	32	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	374	0	369	0	374	0	370	0	320	0	320	0	2	0	4	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
200	383	0	378	0	392	0	387	0	320	0	320	0	9	0	11	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	1	95	0
300	376	0	369	0	394	0	388	0	320	0	320	0	20	0	22	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
400	378	0	370	0	3	0	392	0	320	0	320	0	22	0	25	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
500	390	0	383	0	401	0	397	0	320	0	320	0	13	0	14	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
600	379	0	374	0	383	0	378	0	320	0	320	0	4	0	7	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
700	379	0	374	0	392	0	387	0	320	0	320	0	14	0	16	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	1	95	0
800	385	0	379	0	387	0	381	0	320	0	320	0	2	0	5	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	95	0
900	390	0	383	0	385	0	378	0	320	0	320	0	-7	0	-5	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	99	0
1000	388	0	383	0	394	0	374	0	320	0	320	0	-7	0	-5	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1100	385	0	379	0	379	0	372	0	320	0	320	0	-7	0	-5	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	101	0
1200	392	0	387	0	388	0	381	0	320	0	320	0	-4	0	-2	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	102	0
1300	405	0	414	0	396	0	406	0	320	0	320	0	-7	0	-4	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
1400	399	0	394	0	406	0	403	0	320	0	320	0	7	0	11	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	401	0	396	0	399	0	397	0	320	0	320	0	2	0	4	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	406	0	401	0	401	0	397	0	320	0	320	0	-5	0	-4	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	417	0	412	0	396	0	392	0	320	0	320	0	-20	0	-18	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	412	0	405	0	394	0	388	0	320	0	320	0	-16	0	-14	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	406	0	399	0	397	0	392	0	320	0	320	0	-7	0	-5	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	390	0	381	0	383	0	378	0	320	0	320	0	-5	0	-2	0	0	0	0	0	299	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	387	0	379	0	394	0	388	0	320	0	320	0	9	0	13	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
2200	381	0	374	0	392	0	385	0	320	0	320	0	11	0	14	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	383	0	376	0	390	0	390	0	320	0	320	0	13	0	16	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
2400	390	0	383	0	415	0	412	0	320	0	320	0	27	0	31	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

[illegible] TEMPERATURE - DEGREES, SPEED - MPH DIRECTION - DEGREE RAINFALL - INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	57	0	53	0	105	0	114	0	0	0	0	0	49	0	57	32	40	0	57	26	49	0	56	45	32	0	39	28	0	0	0	0	0	0	0	0	0	0
200	50	0	46	0	104	0	108	0	0	0	0	0	29	0	43	359	17	0	42	343	48	0	52	39	31	0	35	18	0	0	0	0	0	0	0	0	0	0
300	55	0	54	0	77	0	78	0	0	0	0	0	317	0	331	288	311	0	330	282	13	0	21	353	357	0	5	339	0	0	0	0	0	0	0	0	0	0
400	40	0	42	0	68	0	70	0	0	0	0	0	320	1	342	277	315	0	338	280	353	0	2	338	335	0	350	317	0	0	0	0	0	0	0	0	0	0
500	50	0	46	0	69	0	68	0	0	0	0	0	353	0	32	327	346	0	31	315	5	0	26	350	347	0	4	326	0	0	0	0	0	0	0	0	0	0
600	33	0	32	0	49	0	51	0	0	0	0	0	354	0	81	281	349	0	86	295	1	0	73	324	343	0	66	308	0	0	0	0	0	0	0	0	0	0
700	39	0	37	0	44	0	44	0	0	0	0	0	350	0	63	294	345	0	81	298	358	0	43	312	339	0	25	274	0	0	0	0	0	0	0	0	0	0
800	21	0	21	0	17	0	21	0	0	0	0	0	39	3	77	2	35	3	69	355	43	3	100	15	15	3	73	321	0	0	0	0	0	0	0	0	0	0
900	24	0	22	0	23	0	25	0	0	0	0	0	326	3	177	271	323	3	37	276	358	3	122	312	340	3	108	288	0	0	0	0	0	0	0	0	0	0
1000	49	0	47	0	48	0	52	0	0	0	0	0	300	0	331	263	294	0	339	252	298	0	330	271	279	0	310	254	0	0	0	0	0	0	0	0	0	0
1100	62	0	59	0	65	0	66	0	0	0	0	0	331	0	1	273	322	0	351	269	339	0	359	302	318	0	336	288	0	0	0	0	0	0	0	0	0	0
1200	59	0	57	0	81	0	82	0	0	0	0	0	336	0	13	299	328	0	13	285	345	0	5	284	326	0	353	265	0	0	0	0	0	0	0	0	0	0
1300	88	0	86	0	116	0	117	0	0	0	0	0	347	0	25	306	341	0	25	300	3	0	40	331	343	0	10	294	0	0	0	0	0	0	0	0	0	0
1400	90	0	86	0	118	0	118	0	0	0	0	0	27	0	103	327	21	0	72	308	22	0	50	333	3	0	55	313	0	0	0	0	0	0	0	0	0	0
1500	68	0	62	0	96	0	96	0	0	0	0	0	2	0	62	275	3	0	106	311	16	0	81	321	356	0	62	319	0	0	0	0	0	0	0	0	0	0
1600	66	0	65	0	92	0	93	0	0	0	0	0	6	0	62	287	0	0	67	284	10	0	52	275	352	0	90	291	0	0	0	0	0	0	0	0	0	0
1700	91	0	86	0	124	0	124	0	0	0	0	0	23	0	47	327	19	0	90	329	23	0	42	354	5	0	28	342	0	0	0	0	0	0	0	0	0	0
1800	121	0	114	0	151	0	153	0	0	0	0	0	38	0	59	17	32	0	62	3	37	0	66	17	20	0	60	359	0	0	0	0	0	0	0	0	0	0
1900	124	0	125	0	164	0	168	0	0	0	0	0	42	0	74	22	36	0	63	12	38	0	62	10	21	0	44	354	0	0	0	0	0	0	0	0	0	0
2000	126	0	123	0	168	0	169	0	0	0	0	0	42	0	65	26	38	0	74	14	41	0	56	25	23	0	42	6	0	0	0	0	0	0	0	0	0	0
2100	73	0	77	0	99	0	117	0	0	0	0	0	54	0	74	36	49	0	85	26	56	0	67	40	41	0	51	27	0	0	0	0	0	0	0	0	0	0
2200	54	0	63	0	91	0	104	0	0	0	0	0	63	0	77	51	59	0	81	43	32	0	61	40	35	0	50	24	0	0	0	0	0	0	0	0	0	0
2300	63	0	81	0	133	0	148	0	0	0	0	0	60	0	69	50	56	0	71	44	51	0	55	46	33	0	39	29	0	0	0	0	0	0	0	0	0	0
2400	65	0	78	0	105	0	137	0	0	0	0	0	58	0	67	48	54	0	62	39	53	0	56	50	38	0	41	32	0	0	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	399	0	392	0	428	0	424	0	320	0	320	0	31	0	34	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	399	0	392	0	441	0	435	0	320	0	320	0	43	0	47	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	381	0	374	0	426	0	421	0	320	0	320	0	47	0	49	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	374	0	369	0	383	0	379	0	320	0	320	0	11	0	14	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	370	0	363	0	365	0	358	0	320	0	320	0	-7	0	-4	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	372	0	367	0	370	0	365	0	320	0	320	0	2	0	0	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	379	0	372	0	369	0	363	0	320	0	320	0	-9	0	-7	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	394	0	390	0	394	0	390	0	320	0	320	0	2	0	2	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	412	0	406	0	414	0	410	0	320	0	320	0	5	0	4	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	401	0	396	0	415	0	412	0	320	0	320	0	14	0	16	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	403	0	397	0	406	0	405	0	320	0	320	0	-5	0	-9	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	428	0	424	0	441	0	435	0	320	0	320	0	13	0	14	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	414	0	408	0	410	0	405	0	320	0	320	0	-4	0	2	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	469	0	466	0	460	0	457	0	320	0	320	0	-7	0	-7	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	460	0	455	0	446	0	441	0	320	0	320	0	-13	0	-11	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	468	0	464	0	451	0	446	0	320	0	320	0	-14	0	-14	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	446	0	442	0	448	0	442	0	320	0	320	0	0	0	-2	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	457	0	450	0	450	0	444	0	320	0	320	0	-4	0	-4	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	450	0	442	0	441	0	435	0	320	0	320	0	-5	0	-5	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	437	0	430	0	430	0	424	0	320	0	320	0	-5	0	-4	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	421	0	414	0	424	0	419	0	320	0	320	0	5	0	7	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	419	0	412	0	428	0	424	0	320	0	320	0	11	0	14	0	0	0	0	0	314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	433	0	426	0	473	0	471	0	320	0	320	0	40	0	45	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	432	0	424	0	475	0	469	0	320	0	320	0	45	0	47	0	0	0	0	0	358	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	68	0	72	0	110	0	128	0	0	0	0	0	74	0	80	67	72	0	82	64	56	0	59	52	41	0	45	39	0	0	0	0	0	0
200	75	0	85	0	132	0	143	0	0	0	0	0	67	0	81	52	63	0	82	48	59	0	67	55	46	0	52	40	0	0	0	0	0	0
300	99	0	97	0	194	0	198	0	0	0	0	0	79	0	94	69	76	0	105	62	83	0	86	79	68	0	73	62	0	0	0	0	0	0
400	112	0	107	0	190	0	189	0	0	0	0	0	96	0	114	83	95	0	117	79	96	0	100	91	82	0	88	77	0	0	0	0	0	0
500	120	0	116	0	188	0	185	0	0	0	0	0	91	0	105	76	90	0	112	74	94	0	103	86	79	0	84	75	0	0	0	0	0	0
600	149	0	143	0	198	0	199	0	0	0	0	0	90	0	106	68	89	0	133	57	90	0	109	74	74	0	94	52	0	0	0	0	0	0
700	132	0	130	0	170	0	172	0	0	0	0	0	99	0	124	81	96	0	133	60	100	0	125	85	86	0	107	70	0	0	0	0	0	0
800	146	0	136	0	187	0	187	0	0	0	0	0	101	0	124	76	99	0	134	52	96	0	124	68	83	0	107	52	0	0	0	0	0	0
900	143	0	140	0	180	0	182	0	0	0	0	0	95	0	128	68	95	0	133	72	96	0	117	79	82	0	112	66	0	0	0	0	0	0
1000	180	0	173	0	216	0	219	0	0	0	0	0	108	0	133	82	107	0	142	73	105	0	126	85	93	0	118	76	0	0	0	0	0	0
1100	161	0	156	0	204	0	208	0	0	0	0	0	101	0	127	76	100	0	145	65	101	0	132	79	88	0	114	66	0	0	0	0	0	0
1200	201	0	193	0	248	0	254	0	0	0	0	0	102	0	122	75	102	0	148	71	105	0	159	88	92	0	119	76	0	0	0	0	0	0
1300	203	0	201	0	232	0	235	0	0	0	0	0	115	0	134	96	116	0	145	85	117	0	138	91	105	0	127	84	0	0	0	0	0	0
1400	191	0	188	0	226	0	226	0	0	0	0	0	113	0	140	89	113	0	146	76	114	0	138	87	102	0	138	54	0	0	0	0	0	0
1500	215	0	207	0	265	0	268	0	0	0	0	0	104	0	124	77	106	0	143	68	103	0	136	75	91	0	112	53	0	0	0	0	0	0
1600	192	0	183	0	246	0	246	0	0	0	0	0	107	0	125	74	108	0	142	72	103	0	129	60	91	0	114	59	0	0	0	0	0	0
1700	181	0	175	0	229	0	234	0	0	0	0	0	102	0	123	82	103	0	135	68	106	0	125	85	94	0	116	69	0	0	0	0	0	0
1800	184	0	177	0	229	0	229	0	0	0	0	0	94	0	125	77	95	0	135	62	94	0	110	73	83	0	108	63	0	0	0	0	0	0
1900	150	0	144	0	198	0	196	0	0	0	0	0	95	0	122	70	94	0	134	64	91	0	106	60	79	0	102	61	0	0	0	0	0	0
2000	147	0	142	0	204	0	202	0	0	0	0	0	97	0	119	77	99	0	128	74	95	0	118	77	83	0	101	66	0	0	0	0	0	0
2100	157	0	148	0	200	0	204	0	0	0	0	0	112	0	126	97	114	0	146	86	110	0	126	98	99	0	118	77	0	0	0	0	0	0
2200	178	0	171	0	236	0	240	0	0	0	0	0	97	0	112	78	98	0	133	67	97	0	122	71	85	0	107	66	0	0	0	0	0	0
2300	154	0	144	0	205	0	204	0	0	0	0	0	105	0	127	83	105	0	148	75	102	0	122	84	91	0	122	68	0	0	0	0	0	0
2400	210	0	204	0	261	0	260	0	0	0	0	0	107	0	125	86	108	0	134	73	106	0	132	93	94	0	121	78	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	435	0	428	0	520	0	514	0	320	0	320	0	85	0	86	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	419	0	412	0	469	0	464	0	320	0	320	0	52	0	54	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	408	0	403	0	466	0	462	0	320	0	320	0	59	0	61	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	421	0	414	0	459	0	455	0	320	0	320	0	40	0	41	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	442	0	435	0	464	0	460	0	320	0	320	0	22	0	23	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	450	0	442	0	446	0	441	0	320	0	320	0	2	0	0	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	448	0	441	0	441	0	435	0	320	0	320	0	-7	0	-5	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	455	0	448	0	444	0	439	0	320	0	320	0	-9	0	-7	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	460	0	455	0	448	0	442	0	320	0	320	0	-11	0	-9	0	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	473	0	466	0	457	0	453	0	320	0	320	0	-13	0	-13	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	486	0	480	0	469	0	466	0	320	0	320	0	-16	0	-14	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	514	0	509	0	495	0	489	0	320	0	320	0	-18	0	-18	0	0	0	0	0	374	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	534	0	529	0	514	0	511	0	320	0	320	0	-18	0	-16	0	0	0	0	0	378	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	552	0	547	0	534	0	531	0	320	0	320	0	-16	0	-14	0	0	0	0	0	387	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	549	0	543	0	536	0	531	0	320	0	320	0	-13	0	-11	0	0	0	0	0	379	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	563	0	558	0	549	0	543	0	320	0	320	0	-13	0	-13	0	0	0	0	0	387	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	559	0	554	0	547	0	541	0	320	0	320	0	-13	0	-11	0	0	0	0	0	381	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	547	0	541	0	536	0	531	0	320	0	320	0	-9	0	-9	0	0	0	0	0	374	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	525	0	520	0	518	0	513	0	320	0	320	0	-7	0	-5	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	504	0	498	0	498	0	493	0	320	0	320	0	-4	0	-2	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	489	0	482	0	484	0	478	0	320	0	320	0	-4	0	-2	0	0	0	0	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	478	0	473	0	471	0	468	0	320	0	320	0	-5	0	-5	0	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	450	0	442	0	442	0	437	0	320	0	320	0	-4	0	-2	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	432	0	424	0	424	0	419	0	320	0	320	0	-7	0	-5	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	206	0	196	0	262	0	269	0	0	0	0	0	105	0	125	87	107	0	134	78	103	0	125	83	92	0	115	69	0	0	0	0	0	
200	211	0	202	0	268	0	273	0	0	0	0	0	109	0	130	80	111	0	138	73	109	0	132	81	99	0	128	69	0	0	0	0	0	0
300	243	0	225	0	282	0	290	0	0	0	0	0	116	0	139	93	117	0	149	83	114	0	137	88	105	0	133	84	0	0	0	0	0	
400	308	0	294	0	367	0	373	0	0	0	0	0	113	0	133	93	115	0	147	87	111	0	140	91	103	0	122	80	0	0	0	0	0	0
500	227	0	224	0	269	0	282	0	0	0	0	0	120	0	146	102	124	0	173	84	121	0	141	101	111	0	136	81	0	0	0	0	0	0
600	199	0	193	0	253	0	256	0	0	0	0	0	110	0	126	93	111	0	152	75	110	0	128	96	100	0	120	74	0	0	0	0	0	0
700	264	0	253	0	335	0	343	0	0	0	0	0	103	0	130	86	103	0	134	63	103	0	120	81	93	0	112	72	0	0	0	0	0	0
800	280	0	260	0	347	0	343	0	0	0	0	0	109	0	122	82	105	0	140	71	102	0	136	82	92	0	134	66	0	0	0	0	0	
900	266	0	258	0	320	0	322	0	0	0	0	0	109	0	124	89	111	0	135	71	107	0	128	78	97	0	117	77	0	0	0	0	0	0
1000	259	0	254	0	335	0	337	0	0	0	0	0	111	0	125	90	113	0	147	83	112	0	128	90	103	0	119	88	0	0	0	0	0	0
1100	270	0	250	0	321	0	325	0	0	0	0	0	112	0	124	91	116	0	143	72	114	0	142	96	104	0	125	80	0	0	0	0	0	0
1200	209	0	200	0	248	0	249	0	0	0	0	0	112	0	130	95	113	0	141	73	113	0	137	94	103	0	125	80	0	0	0	0	0	0
1300	243	0	231	0	294	0	299	0	0	0	0	0	112	0	128	96	114	0	145	75	113	0	143	95	103	0	122	88	0	0	0	0	0	0
1400	234	0	227	0	263	0	268	0	0	0	0	0	117	0	135	92	120	0	143	84	116	0	131	87	107	0	124	76	0	0	0	0	0	0
1500	221	0	211	0	242	0	256	0	0	0	0	0	117	0	139	98	121	0	150	91	119	0	134	94	109	0	129	84	0	0	0	0	0	0
1600	237	0	235	0	259	0	279	0	0	0	0	0	116	0	130	97	119	0	139	93	118	0	131	98	109	0	125	95	0	0	0	0	0	0
1700	221	0	216	0	259	0	263	0	0	0	0	0	113	0	127	98	115	0	139	90	114	0	130	96	104	0	123	84	0	0	0	0	0	0
1800	210	0	200	0	229	0	243	0	0	0	0	0	113	0	133	90	117	0	145	93	113	0	128	98	103	0	124	85	0	0	0	0	0	0
1900	188	0	185	0	218	0	230	0	0	0	0	0	117	0	132	103	121	0	148	96	123	0	141	107	113	0	132	97	0	0	0	0	0	0
2000	123	0	122	0	137	0	151	0	0	0	0	0	121	0	136	101	126	0	147	103	130	0	162	115	120	0	141	100	0	0	0	0	0	0
2100	137	0	135	0	161	0	167	0	0	0	0	0	123	0	139	104	126	0	144	104	131	0	145	113	121	0	138	101	0	0	0	0	0	0
2200	85	0	91	0	135	0	140	0	0	0	0	0	137	0	159	117	141	0	176	105	148	0	175	124	137	0	156	119	0	0	0	0	0	0
2300	55	0	54	0	86	0	92	0	0	0	0	0	140	0	177	120	142	0	182	114	154	0	173	138	145	0	165	126	0	0	0	0	0	0
2400	39	0	31	0	63	0	58	0	0	0	0	0	199	0	257	155	196	0	251	111	205	0	257	169	192	0	232	154	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	417	0	412	0	408	0	403	0	320	0	320	0	-7	0	-7	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
200	419	0	412	0	408	0	403	0	320	0	320	0	-7	0	-7	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	423	0	415	0	412	0	406	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	428	0	421	0	419	0	414	0	320	0	320	0	-9	0	-7	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	417	0	410	0	412	0	405	0	320	0	320	0	-5	0	-4	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
600	387	0	379	0	383	0	378	0	320	0	320	0	-2	0	0	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0
700	370	0	363	0	372	0	363	0	320	0	320	0	-4	0	2	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	35	0
800	374	0	367	0	372	0	365	0	320	0	320	0	-4	0	2	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	92	0
900	374	0	367	0	367	0	361	0	320	0	320	0	-5	0	-4	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0
1000	378	0	363	0	365	0	358	0	320	0	320	0	-5	0	-4	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	86	0
1100	379	0	374	0	374	0	367	0	320	0	320	0	-7	0	-5	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	94	0
1200	390	0	383	0	387	0	378	0	320	0	320	0	-7	0	-5	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	99	0
1300	415	0	410	0	412	0	403	0	320	0	320	0	-5	0	-5	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1400	421	0	415	0	412	0	406	0	320	0	320	0	-7	0	-7	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1500	426	0	419	0	415	0	412	0	320	0	320	0	-7	0	-7	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1600	435	0	430	0	428	0	421	0	320	0	320	0	-9	0	-7	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1700	423	0	415	0	415	0	406	0	320	0	320	0	-9	0	-7	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1800	414	0	406	0	414	0	401	0	320	0	320	0	-7	0	-5	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
1900	410	0	403	0	403	0	396	0	320	0	320	0	-7	0	-7	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
2000	405	0	397	0	403	0	392	0	320	0	320	0	-7	0	-5	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	101	0
2100	405	0	397	0	396	0	390	0	320	0	320	0	-7	0	-5	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	102	0
2200	410	0	403	0	401	0	396	0	320	0	320	0	-7	0	-5	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	102	0
2300	414	0	406	0	405	0	401	0	320	0	320	0	-7	0	-5	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	102	0
2400	419	0	412	0	414	0	410	0	320	0	320	0	-4	0	2	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	102	0

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

[illegible] TEMPERATURE 1 DEGREES, SPEED 1 MPH DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	76	0	73	0	108	0	117	0	0	0	0	0	241	0	273	182	241	0	270	199	243	0	258	220	231	0	255	202	0	0	0	0	0	0
200	81	0	77	0	118	0	128	0	0	0	0	0	237	0	275	203	237	0	270	195	240	0	265	217	226	0	262	198	0	0	0	0	0	0
300	62	0	53	0	89	0	90	0	0	0	0	0	229	0	268	191	230	0	289	186	228	0	260	189	219	0	250	180	0	0	0	0	0	0
400	67	0	55	0	96	0	99	0	0	0	0	0	229	0	263	178	223	0	261	179	223	0	245	202	212	0	241	180	0	0	0	0	0	0
500	55	0	51	0	78	0	82	0	0	0	0	0	233	0	275	191	234	0	277	184	234	0	258	203	222	0	247	184	0	0	0	0	0	0
600	51	0	49	0	75	0	75	0	0	0	0	0	230	0	266	189	230	0	262	189	227	0	258	202	219	0	236	191	0	0	0	0	0	0
700	94	0	90	0	124	0	134	0	0	0	0	0	239	0	267	209	238	0	279	198	242	0	266	212	229	0	248	199	0	0	0	0	0	0
800	67	0	62	0	91	0	94	0	0	0	0	0	240	0	293	207	240	0	282	207	237	0	265	205	223	0	257	196	0	0	0	0	0	0
900	103	0	105	0	121	0	133	0	0	0	0	0	265	0	285	237	262	0	290	230	264	0	276	236	252	0	262	223	0	0	0	0	0	0
1000	86	0	86	0	102	0	112	0	0	0	0	0	268	0	286	238	263	0	287	226	266	0	277	220	253	0	263	232	0	0	0	0	0	0
1100	72	0	69	0	85	0	93	0	0	0	0	0	249	0	272	227	249	0	284	210	259	0	280	246	245	0	264	225	0	0	0	0	0	0
1200	73	0	69	0	70	0	78	0	0	0	0	0	251	0	277	230	249	0	278	211	251	0	265	230	237	0	250	216	0	0	0	0	0	0
1300	64	0	59	0	67	0	73	0	0	0	0	0	245	0	276	195	243	0	285	198	259	0	288	239	246	0	280	225	0	0	0	0	0	0
1400	71	0	69	0	70	0	80	0	0	0	0	0	256	0	280	208	255	0	283	205	265	0	292	241	251	0	282	210	0	0	0	0	0	0
1500	84	0	81	0	78	0	85	0	0	0	0	0	260	0	283	240	258	0	278	233	272	0	302	247	257	0	279	225	0	0	0	0	0	0
1600	46	0	42	0	56	0	62	0	0	0	0	0	280	0	319	241	277	0	322	235	291	0	326	252	275	0	312	243	0	0	0	0	0	0
1700	49	0	46	0	47	0	52	0	0	0	0	0	263	0	294	232	261	0	301	226	280	0	307	257	262	0	305	239	0	0	0	0	0	0
1800	60	0	59	0	65	0	73	0	0	0	0	0	255	0	296	236	264	0	305	226	278	0	300	253	260	0	289	239	0	0	0	0	0	0
1900	43	0	42	0	59	0	66	0	0	0	0	0	252	0	283	226	253	0	276	212	257	0	270	236	242	0	256	224	0	0	0	0	0	0
2000	78	0	78	0	98	0	106	0	0	0	0	0	264	0	297	234	262	0	285	236	271	0	281	253	257	0	273	244	0	0	0	0	0	0
2100	35	0	32	0	35	0	40	0	0	0	0	0	249	0	286	215	247	0	279	209	272	0	292	257	252	0	274	233	0	0	0	0	0	0
2200	45	0	42	0	39	0	44	0	0	0	0	0	302	0	323	284	298	0	327	275	308	0	321	287	290	0	308	269	0	0	0	0	0	0
2300	40	0	37	0	51	0	56	0	0	0	0	0	313	0	337	275	306	0	339	230	323	0	349	304	304	0	325	286	0	0	0	0	0	0
2400	25	0	23	0	33	0	39	0	0	0	0	0	279	0	325	226	278	3	329	27[illegible]	281	0	309	254	266	0	302	235	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	415	0	408	0	406	0	401	0	320	0	320	0	-7	0	-5	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
200	412	0	405	0	403	0	399	0	320	0	320	0	-5	0	-4	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
300	414	0	406	0	405	0	399	0	320	0	320	0	-7	0	-5	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
400	408	0	403	0	401	0	396	0	320	0	320	0	-5	0	-5	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
500	403	0	397	0	397	0	392	0	320	0	320	0	-4	0	-4	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
600	398	0	387	0	388	0	383	0	320	0	320	0	-4	0	-4	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
700	397	0	390	0	388	0	383	0	320	0	320	0	-7	0	-5	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
800	397	0	390	0	388	0	385	0	320	0	320	0	-7	0	-5	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
900	385	0	381	0	383	0	372	0	320	0	320	0	-11	0	-9	0	0	0	0	0	367	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1000	379	0	374	0	376	0	372	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1100	385	0	379	0	378	0	372	0	320	0	320	0	-14	0	-13	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1200	381	0	376	0	378	0	372	0	320	0	320	0	-11	0	-9	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1300	401	0	394	0	390	0	388	0	320	0	320	0	-13	0	-9	0	0	0	0	0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1400	401	0	396	0	398	0	388	0	320	0	320	0	-11	0	-9	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1500	401	0	396	0	397	0	396	0	320	0	320	0	-4	0	-2	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1600	399	0	392	0	387	0	383	0	320	0	320	0	-16	0	-14	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1700	390	0	383	0	385	0	378	0	320	0	320	0	-9	0	-7	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1800	390	0	383	0	383	0	379	0	320	0	320	0	-7	0	-5	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1900	392	0	385	0	383	0	381	0	320	0	320	0	-9	0	-7	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2000	396	0	390	0	390	0	385	0	320	0	320	0	-9	0	-7	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2100	379	0	372	0	376	0	372	0	320	0	320	0	-7	0	-5	0	0	0	0	0	360	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2200	378	0	370	0	374	0	370	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2300	378	0	372	0	372	0	369	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2400	378	0	370	0	374	0	370	0	320	0	320	0	-7	0	-5	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	33	0	29	0	40	0	43	0	0	0	0	0	266	0	326	225	261	3	321	206	283	0	331	251	267	0	331	229	0	0	0	0	0	0
200	57	0	52	0	65	0	73	0	0	0	0	0	284	0	353	249	279	0	321	226	293	0	327	257	273	0	319	234	0	0	0	0	0	0
300	65	0	61	0	65	0	71	0	0	0	0	0	272	0	319	246	268	0	317	238	286	0	313	253	269	0	319	221	0	0	0	0	0	0
400	69	0	69	0	79	0	86	0	0	0	0	0	291	0	324	251	289	0	327	252	296	0	332	275	276	0	304	240	0	0	0	0	0	0
500	91	0	83	0	95	0	101	0	0	0	0	0	297	0	315	278	292	0	313	270	304	0	313	276	286	0	295	270	0	0	0	0	0	0
600	78	0	74	0	82	0	91	0	0	0	0	0	294	0	321	260	290	0	332	241	294	0	317	248	276	0	298	240	0	0	0	0	0	0
700	60	0	57	0	64	0	71	0	0	0	0	0	283	0	319	234	279	0	327	238	290	0	322	248	271	0	308	227	0	0	0	0	0	0
800	83	0	80	0	87	0	93	0	0	0	0	0	269	0	304	238	266	0	300	227	283	0	316	257	266	0	300	230	0	0	0	0	0	0
900	89	0	88	0	88	0	90	0	0	0	0	0	263	0	281	241	261	0	309	235	274	0	292	263	259	0	275	244	0	0	0	0	0	0
1000	130	0	133	0	127	0	136	0	0	0	0	0	267	0	282	242	264	0	288	243	272	0	289	265	258	0	267	250	0	0	0	0	0	0
1100	83	0	80	0	84	0	88	0	0	0	0	0	279	0	314	248	274	0	321	228	287	0	320	258	269	0	305	230	0	0	0	0	0	0
1200	78	0	74	0	85	0	90	0	0	0	0	0	273	0	313	240	270	0	323	232	287	0	326	257	268	0	313	224	0	0	0	0	0	0
1300	86	0	86	0	90	0	97	0	0	0	0	0	265	0	288	246	264	0	288	243	276	0	292	258	260	0	276	241	0	0	0	0	0	0
1400	83	0	85	0	88	0	97	0	0	0	0	0	264	0	280	235	262	0	294	236	266	0	276	239	252	0	263	225	0	0	0	0	0	0
1500	66	0	64	0	68	0	77	0	0	0	0	0	251	0	278	219	250	0	280	205	260	0	283	220	244	0	270	211	0	0	0	0	0	0
1600	86	0	96	0	93	0	99	0	0	0	0	0	253	0	304	220	253	0	288	231	249	0	270	212	234	0	256	204	0	0	0	0	0	0
1700	65	0	62	0	76	0	83	0	0	0	0	0	246	0	277	203	246	0	278	198	255	0	266	217	241	0	255	208	0	0	0	0	0	0
1800	88	0	86	0	128	0	137	0	0	0	0	0	248	0	267	228	249	0	272	214	259	0	264	246	245	0	252	234	0	0	0	0	0	0
1900	95	0	91	0	143	0	155	0	0	0	0	0	244	0	261	221	243	0	271	203	254	0	265	223	240	0	250	201	0	0	0	0	0	0
2000	121	0	117	0	178	0	192	0	0	0	0	0	237	0	264	211	238	0	274	215	244	0	257	225	229	0	244	213	0	0	0	0	0	0
2100	102	0	98	0	157	0	167	0	0	0	0	0	234	0	269	213	233	0	274	197	235	0	253	215	221	0	233	200	0	0	0	0	0	0
2200	46	0	36	0	81	0	74	0	0	0	0	0	190	0	219	158	188	0	262	129	209	0	238	192	197	0	220	180	0	0	0	0	0	0
2300	59	0	52	0	123	0	98	0	0	0	0	0	182	0	227	148	181	0	239	97	194	0	204	172	183	0	199	167	0	0	0	0	0	0
2400	66	0	57	0	136	0	112	0	0	0	0	0	179	0	212	141	179	0	224	118	194	0	208	176	182	0	199	169	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PAIN	S
100	379	0	372	0	376	0	372	0	320	0	320	0	-7	0	-4	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
200	383	0	379	0	379	0	374	0	320	0	320	0	-9	0	-7	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
300	381	0	376	0	378	0	374	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
400	372	0	367	0	370	0	365	0	320	0	320	0	-7	0	-5	0	0	0	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	1	103	0
500	370	0	365	0	365	0	361	0	320	0	320	0	-9	0	-7	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
600	372	0	367	0	369	0	365	0	320	0	320	0	-7	0	-7	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
700	379	0	372	0	372	0	369	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
800	379	0	372	0	370	0	365	0	320	0	320	0	-9	0	-7	0	0	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
900	378	0	370	0	370	0	360	0	320	0	320	0	-11	0	-7	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1000	379	0	374	0	372	0	363	0	320	0	320	0	-9	0	-7	0	0	0	0	0	335	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1100	378	0	370	0	367	0	361	0	320	0	320	0	-9	0	-7	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1200	378	0	372	0	367	0	363	0	320	0	320	0	-9	0	-7	0	0	0	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1300	381	0	374	0	372	0	369	0	320	0	320	0	-7	0	-5	0	0	0	0	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1400	390	0	385	0	379	0	376	0	320	0	320	0	-9	0	-7	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1500	412	0	406	0	405	0	399	0	320	0	320	0	-7	0	-4	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1600	450	0	442	0	430	0	426	0	320	0	320	0	-18	0	-16	0	0	0	0	0	360	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1700	457	0	450	0	446	0	437	0	320	0	320	0	-13	0	-11	0	0	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1800	455	0	448	0	455	0	450	0	320	0	320	0	0	0	2	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1900	453	0	446	0	455	0	450	0	320	0	320	0	4	0	5	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2000	450	0	444	0	460	0	453	0	320	0	320	0	9	0	11	0	0	0	0	0	352	0	0	0	0	0	0	1	0	0	0	0	0	0	103	0
2100	459	0	453	0	460	0	455	0	320	0	320	0	2	0	4	0	0	0	0	0	351	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2200	451	0	444	0	457	0	451	0	320	0	320	0	7	0	9	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2300	428	0	423	0	437	0	432	0	320	0	320	0	9	0	11	0	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2400	417	0	412	0	435	0	430	0	320	0	320	0	18	0	20	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
DEGREES, SPE[illegible] DIRECTION [illegible] DEGREE, DATMCALL [illegible] OF INCHES, [illegible] RADIATION [illegible] LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	62	0	51	0	126	0	107	0	0	0	0	0	185	0	231	140	185	0	238	137	200	0	212	190	188	0	203	175	0	0	0	0	0
200	80	0	59	0	161	0	152	0	0	0	0	0	203	0	240	127	203	0	263	149	218	0	232	202	207	0	219	191	0	0	0	0	0
300	90	0	67	0	159	0	157	0	0	0	0	0	219	0	231	194	219	0	246	179	226	0	235	212	213	0	223	199	0	0	0	0	0
400	80	0	71	0	132	0	142	0	0	0	0	0	229	0	250	207	227	0	256	197	239	0	258	213	221	0	240	203	0	0	0	0	0
500	69	0	61	0	112	0	120	0	0	0	0	0	266	0	301	227	264	0	313	230	266	0	303	240	252	0	286	225	0	0	0	0	0
600	119	0	120	0	160	0	170	0	0	0	0	0	247	0	265	229	245	0	270	218	262	0	273	248	248	0	258	236	0	0	0	0	0
700	93	0	91	0	121	0	130	0	0	0	0	0	249	0	284	227	248	0	287	221	270	0	302	250	256	0	287	236	0	0	0	0	0
800	62	0	61	0	75	0	81	0	0	0	0	0	247	0	281	214	247	0	271	220	268	0	299	236	254	0	280	223	0	0	0	0	0
900	72	0	72	0	65	0	72	0	0	0	0	0	250	0	274	231	250	0	283	221	272	0	301	254	258	0	286	245	0	0	0	0	0
1000	73	0	72	0	59	0	65	0	0	0	0	0	249	0	270	226	248	0	272	215	274	0	314	253	256	0	280	229	0	0	0	0	0
1100	45	0	44	0	23	0	29	0	0	0	0	0	258	0	290	208	256	0	321	214	269	0	331	198	252	0	321	192	0	0	0	0	0
1200	57	0	57	0	39	0	43	0	0	0	0	0	272	0	295	237	269	0	298	228	304	0	351	247	286	0	347	222	0	0	0	0	0
1300	81	0	79	0	62	0	67	0	0	0	0	0	273	0	291	247	270	0	293	244	282	0	302	245	267	0	288	235	0	0	0	0	0
1400	53	0	51	0	62	0	67	0	0	0	0	0	317	0	351	237	312	0	358	244	343	0	4	303	325	0	342	270	0	0	0	0	0
1500	27	0	27	0	30	0	34	0	0	0	0	0	344	3	54	280	339	3	47	270	19	3	47	330	10	0	60	304	0	0	0	0	0
1600	56	0	54	0	71	0	80	0	0	0	0	0	46	0	80	14	43	0	85	7	47	0	64	22	30	0	49	7	0	0	0	0	0
1700	54	0	54	0	57	0	67	0	0	0	0	0	61	0	90	32	58	0	105	17	60	0	84	4	46	0	74	358	0	0	0	0	
1800	63	0	60	0	64	0	69	0	0	0	0	0	91	0	133	62	90	0	131	52	92	0	113	70	77	0	115	54	0	0	0	0	0
1900	57	0	54	0	65	0	70	0	0	0	0	0	81	0	102	68	79	0	110	47	80	0	97	67	66	0	88	54	0	0	0	0	0
2000	79	0	74	0	113	0	114	0	0	0	0	0	94	0	107	82	95	0	116	76	97	0	101	93	80	0	86	76	0	0	0	0	0
2100	91	0	84	0	143	0	147	0	0	0	0	0	103	0	128	81	102	0	134	63	106	0	114	88	94	0	106	74	0	0	0	0	0
2200	96	0	91	0	142	0	145	0	0	0	0	0	95	0	121	78	98	0	127	70	104	0	123	92	91	0	108	76	0	0	0	0	0
2300	126	0	118	0	194	0	199	0	0	0	0	0	109	0	123	87	111	0	137	88	112	0	120	108	100	0	107	93	0	0	0	0	0
2400	134	0	127	0	202	0	206	0	0	0	0	0	107	0	119	94	104	0	133	80	115	0	122	109	103	0	109	97	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	414	0	406	0	428	0	423	0	320	0	320	0	14	0	18	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
200	415	0	410	0	460	0	455	0	320	0	320	0	45	0	47	0	0	0	0	0	331	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
300	432	0	426	0	457	0	451	0	320	0	320	0	25	0	27	0	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
400	442	0	437	0	450	0	449	0	320	0	320	0	7	0	9	0	0	0	0	0	343	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
500	428	0	421	0	448	0	442	0	320	0	320	0	22	0	23	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
600	412	0	405	0	421	0	417	0	320	0	320	0	11	0	13	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
700	428	0	421	0	432	0	426	0	320	0	320	0	5	0	7	0	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
800	444	0	439	0	437	0	433	0	320	0	320	0	-5	0	-4	0	0	0	0	0	358	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
900	464	0	459	0	460	0	459	0	320	0	320	0	2	0	4	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1000	473	0	468	0	480	0	477	0	320	0	320	0	11	0	13	0	0	0	0	0	385	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4 0
1100	489	0	484	0	505	0	502	0	320	0	320	0	23	0	25	0	0	0	0	0	396	0	0	0	0	0	0	0	0	0	0	0	0	0	103	6
1200	489	0	486	0	504	0	496	0	320	0	320	0	20	0	23	0	0	0	0	0	406	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1300	489	0	484	0	482	0	482	0	320	0	320	0	4	0	7	0	0	0	0	0	372	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1400	518	0	514	0	491	0	489	0	320	0	320	0	-18	0	-14	0	0	0	0	0	405	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1500	574	0	572	0	540	0	536	0	320	0	320	0	-20	0	-20	0	0	0	0	0	408	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1600	516	0	511	0	518	0	513	0	320	0	320	0	13	0	14	0	0	0	0	0	388	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1700	585	0	581	0	563	0	558	0	320	0	320	0	-11	0	-11	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1800	601	0	597	0	576	0	570	0	320	0	320	0	-11	0	-11	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1900	594	0	588	0	572	0	568	0	320	0	320	0	-7	0	-5	0	0	0	0	0	417	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2000	579	0	572	0	577	0	574	0	320	0	320	0	13	0	14	0	0	0	0	0	403	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2100	574	0	568	0	581	0	577	0	320	0	320	0	18	0	20	0	0	0	0	0	403	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2200	561	0	556	0	581	0	576	0	320	0	320	0	23	0	25	0	0	0	0	0	399	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2300	558	0	552	0	583	0	579	0	320	0	320	0	27	0	29	0	0	0	0	0	397	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2400	554	0	547	0	583	0	579	0	320	0	320	0	32	0	34	0	0	0	0	0	394	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0

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

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	129	0	124	0	177	0	190	0	0	0	0	0	118	0	125	107	120	0	131	106	130	0	137	124	118	0	126	111	0	0	0	0	0
200	122	0	119	0	173	0	177	0	0	0	0	0	128	0	138	117	130	0	142	112	139	0	150	130	127	0	135	119	0	0	0	0	0
300	102	0	100	0	148	0	153	0	0	0	0	0	129	0	138	120	132	0	149	114	140	0	151	128	128	0	140	118	0	0	0	0	0
400	117	0	118	0	185	0	189	0	0	0	0	0	131	0	141	119	133	0	151	123	144	0	152	137	131	0	138	122	0	0	0	0	0
500	104	0	101	0	148	0	154	0	0	0	0	0	127	0	142	115	129	0	146	112	138	0	146	131	125	0	135	118	0	0	0	0	0
600	112	0	108	0	163	0	168	0	0	0	0	0	130	0	142	119	133	0	163	116	142	0	153	131	129	0	148	119	0	0	0	0	0
700	109	0	111	0	170	0	177	0	0	0	0	0	137	0	157	119	139	0	169	113	150	0	163	135	139	0	151	124	0	0	0	0	0
800	100	0	99	0	150	0	150	0	0	0	0	0	151	0	178	120	153	0	179	120	165	0	187	129	155	0	168	123	0	0	0	0	0
900	93	0	85	0	152	0	147	0	0	0	0	0	162	0	218	109	164	0	261	99	172	0	200	149	163	0	235	137	0	0	0	0	0
1000	94	0	87	0	160	0	143	0	0	0	0	0	178	0	249	126	178	0	245	102	184	0	213	121	172	0	266	127	0	0	0	0	0
1100	93	0	81	0	151	0	134	0	0	0	0	0	180	0	263	102	179	0	254	96	181	0	254	108	171	0	245	117	0	0	0	0	0
1200	106	0	85	0	163	0	141	0	0	0	0	0	205	0	260	108	209	0	265	128	202	0	235	129	190	0	219	115	0	0	0	0	0
1300	77	0	68	0	114	0	103	0	0	0	0	0	212	0	268	106	206	0	269	116	197	0	247	129	188	0	248	108	0	0	0	0	0
1400	122	0	103	0	179	0	153	0	0	0	0	0	213	0	266	118	212	0	261	93	210	0	255	155	199	0	222	173	0	0	0	0	0
1500	80	0	66	0	125	0	111	0	0	0	0	0	201	0	265	131	200	0	261	118	199	0	247	152	189	0	245	143	0	0	0	0	0
1600	97	0	87	0	171	0	150	0	0	0	0	0	184	0	259	112	184	0	268	110	191	0	243	149	179	0	244	118	0	0	0	0	0
1700	99	0	96	0	163	0	136	0	0	0	0	0	206	0	252	93	204	0	260	131	199	0	242	166	186	0	220	137	0	0	0	0	0
1800	74	0	58	0	129	0	109	0	0	0	0	0	190	0	259	104	193	0	268	104	197	0	247	152	183	0	224	113	0	0	0	0	0
1900	104	0	85	0	178	0	154	0	0	0	0	0	210	0	268	138	207	0	263	136	207	0	243	168	195	0	218	157	0	0	0	0	0
2000	81	0	69	0	136	0	117	0	0	0	0	0	177	0	224	112	183	0	260	118	187	0	211	163	178	0	248	157	0	0	0	0	0
2100	77	0	75	0	146	0	150	0	0	0	0	0	151	0	183	129	152	0	198	120	165	0	194	146	155	0	185	130	0	0	0	0	0
2200	64	0	54	0	125	0	114	0	0	0	0	0	174	0	217	136	174	0	227	130	182	0	203	161	171	0	243	152	0	0	0	0	0
2300	46	0	40	0	87	0	81	0	0	0	0	0	156	0	215	116	156	0	219	118	178	0	197	157	166	0	199	143	0	0	0	0	0
2400	58	0	54	0	103	0	104	0	0	0	0	0	144	0	183	116	147	0	189	139	166	0	188	139	155	0	177	130	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	565	0	559	0	588	0	583	0	320	0	320	0	25	0	27	0	0	0	0	0	399	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
200	570	0	565	0	577	0	572	0	320	0	320	0	9	0	11	0	0	0	0	0	401	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
300	565	0	559	0	568	0	565	0	320	0	320	0	7	0	7	0	0	0	0	0	397	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
400	559	0	554	0	570	0	567	0	320	0	320	0	13	0	13	0	0	0	0	0	396	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
500	558	0	550	0	563	0	558	0	320	0	320	0	7	0	9	0	0	0	0	0	394	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
600	556	0	549	0	558	0	552	0	320	0	320	0	4	0	5	0	0	0	0	0	435	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
700	574	0	568	0	570	0	565	0	320	0	320	0	-4	0	-2	0	0	0	0	0	406	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
800	631	0	628	0	612	0	604	0	320	0	320	0	-18	0	-18	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
900	684	0	678	0	642	0	639	0	320	0	320	0	-25	0	-25	0	0	0	0	0	466	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1000	730	0	725	0	675	0	669	0	320	0	320	0	-34	0	-34	0	0	0	0	0	498	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1100	759	0	754	0	698	0	693	0	320	0	320	0	-38	0	-38	0	0	0	0	0	505	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1200	774	0	770	0	723	0	716	0	320	0	320	0	-27	0	-27	0	0	0	0	0	516	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1300	802	0	799	0	745	0	739	0	320	0	320	0	-32	0	-32	0	0	0	0	0	516	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1400	786	0	781	0	736	0	732	0	320	0	320	0	-23	0	-23	0	0	0	0	0	511	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1500	799	0	795	0	750	0	745	0	320	0	320	0	-25	0	-25	0	0	0	0	0	516	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1600	808	0	802	0	748	0	745	0	320	0	320	0	-31	0	-31	0	0	0	0	0	520	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1700	810	0	802	0	757	0	750	0	320	0	320	0	-25	0	-27	0	0	0	0	0	525	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1800	797	0	790	0	763	0	757	0	320	0	320	0	-18	0	-18	0	0	0	0	0	514	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1900	765	0	759	0	750	0	745	0	320	0	320	0	-7	0	-7	0	0	0	0	0	493	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2000	743	0	738	0	739	0	732	0	320	0	320	0	0	0	0	0	0	0	0	0	480	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2100	716	0	711	0	714	0	709	0	320	0	320	0	4	0	4	0	0	0	0	0	469	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2200	696	0	691	0	700	0	694	0	320	0	320	0	9	0	11	0	0	0	0	0	460	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2300	680	0	675	0	675	0	669	0	320	0	320	0	2	0	2	0	0	0	0	0	453	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2400	666	0	660	0	664	0	660	0	320	0	320	0	4	0	4	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0

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

DEGREES, SPE [illegible] MEASURED IN INCHES NET RADIATION IN LANGLEY

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR APRIL 27, 1999 PAGE 118

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	59	0	50	0	111	0	100	0	0	0	0	0	167	0	239	113	168	0	265	92	182	0	225	146		172	0	249	139		0	0	0	0	0	0	0
200	79	0	69	0	121	0	120	0	0	0	0	0	158	0	188	105	160	0	219	115	172	0	203	136		160	0	196	133		0	0	0	0	0	0	0
300	78	0	79	0	128	0	133	0	0	0	0	0	150	0	185	116	152	0	185	117	169	0	183	138		155	0	173	139		0	0	0	0	0	0	0
400	89	0	79	0	147	0	148	0	0	0	0	0	160	0	197	132	158	0	201	123	170	0	183	146		160	0	172	149		0	0	0	0	0	0	0
500	88	0	81	0	150	0	135	0	0	0	0	0	169	0	235	129	170	0	220	106	181	0	209	158		170	0	195	143		0	0	0	0	0	0	0
600	68	0	57	0	132	0	119	0	0	0	0	0	177	0	235	125	180	0	261	119	184	0	229	141		173	0	198	141		0	0	0	0	0	0	0
700	66	0	58	0	120	0	111	0	0	0	0	0	161	0	206	109	163	0	265	107	179	0	203	146		163	0	195	139		0	0	0	0	0	0	0
800	99	0	90	0	162	0	147	0	0	0	0	0	168	0	240	106	170	0	253	117	179	0	225	151		168	0	200	132		0	0	0	0	0	0	0
900	106	0	110	0	169	0	173	0	0	0	0	0	151	0	198	109	155	0	212	110	161	0	197	123		152	0	183	112		0	0	0	0	0	0	0
1000	87	0	86	0	151	0	151	0	0	0	0	0	152	0	242	98	152	0	250	103	168	0	200	118		157	0	185	129		0	0	0	0	0	0	0
1100	112	0	109	0	186	0	177	0	0	0	0	0	163	0	209	121	163	0	216	103	173	0	201	149		162	0	186	129		0	0	0	0	0	0	0
1200	107	0	112	0	178	0	173	0	0	0	0	0	162	0	226	116	165	0	233	113	174	0	220	146		161	0	198	135		0	0	0	0	0	0	0
1300	110	0	110	0	190	0	184	0	0	0	0	0	157	0	218	97	160	0	233	103	171	0	226	135		160	0	212	121		0	0	0	0	0	0	0
1400	143	0	142	0	239	0	231	0	0	0	0	0	159	0	245	107	156	0	213	99	167	0	193	135		156	0	178	121		0	0	0	0	0	0	0
1500	119	0	115	0	199	0	194	0	0	0	0	0	160	0	212	115	161	0	206	100	173	0	198	149		161	0	191	122		0	0	0	0	0	0	0
1600	106	0	102	0	168	0	156	0	0	0	0	0	161	0	205	109	163	0	222	117	176	0	219	149		169	0	195	132		0	0	0	0	0	0	0
1700	87	0	97	0	167	0	157	0	0	0	0	0	154	0	220	92	161	0	209	118	172	0	206	141		160	0	191	137		0	0	0	0	0	0	0
1800	109	0	120	0	198	0	196	0	0	0	0	0	156	0	209	112	162	0	208	120	171	0	198	149		160	0	191	132		0	0	0	0	0	0	0
1900	112	0	112	0	189	0	165	0	0	0	0	0	169	0	241	118	170	0	210	122	179	0	207	150		168	0	226	142		0	0	0	0	0	0	0
2000	87	0	89	0	165	0	141	0	0	0	0	0	177	0	260	91	179	0	26[illegible]	[illegible]	187	0	223	169		177	0	209	152		0	0	0	0	0	0	0
2100	99	0	103	0	200	0	177	0	0	0	0	0	171	0	241	110	175	0	247	120	183	0	219	148		172	0	223	149		0	0	0	0	0	0	0
2200	125	0	112	0	223	0	199	0	0	0	0	0	187	0	241	109	190	0	257	120	193	0	222	162		181	0	221	140		0	0	0	0	0	0	0
2300	165	0	180	0	237	0	270	0	0	0	0	0	58	0	171	6	1	2	110	0	196	2	179	178		178	2	179	170		0	0	0	0	0	0	0
2400	163	0	187	0	298	0	313	0	0	0	0	0	52	0	168	14	0	2	0	0	179	2	179	179		178	2	178	178		0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	671	0	666	0	666	0	662	0	320	0	320	0	-2	0	-2	0	0	0	0	0	450	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
200	669	0	669	0	662	0	657	0	320	0	320	0	-4	0	-4	0	0	0	0	0	450	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
300	658	0	653	0	653	0	648	0	320	0	320	0	-4	0	-4	0	0	0	0	0	449	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
400	649	0	637	0	642	0	635	0	320	0	320	0	0	0	2	0	0	0	0	0	478	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
500	648	0	642	0	640	0	635	0	320	0	320	0	-5	0	-4	0	0	0	0	0	441	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
600	649	0	637	0	637	0	631	0	320	0	320	0	-5	0	-5	0	0	0	0	0	441	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
700	648	0	642	0	637	0	631	0	320	0	320	0	-7	0	-7	0	0	0	0	0	442	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
800	667	0	662	0	649	0	644	0	320	0	320	0	-16	0	-16	0	0	0	0	0	455	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
900	694	0	689	0	669	0	662	0	320	0	320	0	-25	0	-25	0	0	0	0	0	473	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1000	711	0	707	0	689	0	682	0	320	0	320	0	-22	0	-22	0	0	0	0	0	478	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1100	699	0	689	0	680	0	673	0	320	0	320	0	-13	0	-13	0	0	0	0	0	469	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1200	700	0	696	0	691	0	673	0	320	0	320	0	-18	0	-16	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1300	702	0	696	0	678	0	673	0	320	0	320	0	-22	0	-22	0	0	0	0	0	469	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1400	725	0	720	0	691	0	685	0	320	0	320	0	-32	0	-32	0	0	0	0	0	489	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1500	732	0	727	0	709	0	703	0	320	0	320	0	-22	0	-22	0	0	0	0	0	491	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1600	739	0	729	0	718	0	711	0	320	0	320	0	-16	0	-16	0	0	0	0	0	491	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1700	747	0	739	0	725	0	718	0	320	0	320	0	-20	0	-20	0	0	0	0	0	496	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1800	745	0	739	0	727	0	720	0	320	0	320	0	-16	0	-16	0	0	0	0	0	502	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
1900	727	0	720	0	720	0	712	0	320	0	320	0	-5	0	-5	0	0	0	0	0	475	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2000	716	0	711	0	709	0	703	0	320	0	320	0	-4	0	-4	0	0	0	0	0	469	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2100	707	0	702	0	702	0	696	0	320	0	320	0	-1	0	-4	0	0	0	0	0	469	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2200	712	0	707	0	709	0	703	0	320	0	320	0	-2	0	-2	0	0	0	0	0	466	0	0	0	0	0	0	0	0	0	0	0	0	0	103	0
2300	315	2	583	0	315	2	315	2	320	0	320	0	22	0	22	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
2400	315	2	552	0	315	2	315	2	320	0	320	0	79	0	77	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	132	0	139	0	207	0	216	0	0	0	0	0	48	0	154	12	0	2	1	0	179	2	180	179	178	2	179	178	0	0	0	0	0
200	147	0	171	0	263	0	274	0	0	0	0	0	47	0	151	10	0	2	0	0	179	2	179	179	178	2	178	178	0	0	0	0	0
300	118	0	141	0	177	0	185	0	0	0	0	0	37	0	119	11	0	2	1	0	179	2	180	179	178	2	179	178	0	0	0	0	0
400	101	0	124	0	150	0	158	0	0		0	0	42	0	155	10	0	2	0	0	179	2	179	179	178	2	178	178	0	0	0	0	0
500	99	0	111	0	161	0	171	0	0	0	0	0	63	0	170	14	0	2	0	0	179	2	179	179	178	2	178	178	0	0	0	0	0
600	128	0	143	0	190	0	201	0	0	0	0	0	55	0	171	13	0	2	0	0	179	2	179	179	178	2	178	178	0	0	0	0	0
700	113	0	127	0	166	0	173	0	0	0	0	0	63	0	144	12	0	2	1	0	179	2	180	179	178	2	179	178	0	0	0	0	0
800	153	0	172	0	229	0	240	0	0	0	0	0	49	0	145	13	0	2	1	0	179	2	180	179	179	2	179	178	0	0	0	0	0
900	133	0	151	0	188	0	194	0	0	0	0	0	61	0	147	15	0	2	1	0	179	2	180	179	179	2	179	178	0	0	0	0	0
1000	136	0	155	0	182	0	192	0	0	0	0	0	51	0	159	11	0	2	1	0	179	2	180	178	178	2	179	178	0	0	0	0	0
1100	139	0	159	0	220	0	231	0	0	0	0	0	47	0	134	11	0	2	3	0	179	2	180	179	178	2	179	178	0	0	0	0	0
1200	123	0	141	0	172	0	181	0	0	0	0	0	46	0	132	11	0	2	1	0	179	2	180	179	178	2	179	178	0	0	0	0	0
1300	104	0	124	0	164	0	174	0	0	0	0	0	54	0	176	11	0	2	2	0	183	2	179	179	178	2	179	178	0	0	0	0	0
1400	109	0	129	0	202	0	213	0	0	0	0	0	71	0	154	14	0	2	1	0	179	2	180	179	178	2	179	178	0	0	0	0	0
1500	157	0	181	0	272	0	288	0	0	0	0	0	72	0	173	20	0	2	0	0	179	2	179	179	178	2	178	178	0	0	0	0	0
1600	123	2	141	2	172	2	181	2	0	0	0	0	41	0	153	0	0	2	11	0	105	2	179	0	107	2	178	0	0	0	0	0	0
1700	104	2	124	2	164	2	174	2	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0
1800	109	2	129	2	202	2	213	2	0	0	0	0	14	0	269	0	0	2	0	0	310	0	0	270	0	2	0	0	0	0	0	0	0
1900	157	2	181	2	272	2	288	2	0	0	0	0	329	0	91	270	0	2	0	0	321	0	0	271	10	0	18	0	0	0	0	0	0
2000	85	0	93	0	173	0	181	0	0	0	0	0	246	0	269	216	245	0	273	207	260	0	273	241	18	0	18	18	0	0	0	0	0
2100	489	2	450	2	493	2	494	2	0	0	0	0	156	0	179	0	160	0	179	0	157	0	177	0	178	0	178	177	0	0	0	0	0
2200	79	0	76	0	140	0	148	0	0	0	0	0	236	0	262	201	237	0	271	193	250	0	276	218	199	0	258	0	0	0	0	0	0
2300	173	2	223	2	249	2	255	2	0	0	0	0	164	0	267	0	225	0	267	179	16	0	178	270	231	0	269	178	0	0	0	0	0
2400	42	0	42	0	95	0	99	0	0	0	0	0	294	0	322	242	291	0	353	232	295	0	314	269	282	0	295	251	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	315	2	529	0	315	2	315	2	320	0	320	0	58	0	58	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0
200	315	2	507	0	315	2	315	2	320	0	320	0	83	0	83	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0
300	315	2	523	0	315	2	315	2	320	0	320	0	50	0	50	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0
400	315	2	522	0	315	2	315	2	320	0	320	0	27	0	27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	315	2	509	0	315	2	315	2	320	0	320	0	25	0	25	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	315	2	541	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0
700	315	2	552	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0
800	315	2	534	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0
900	315	2	547	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1000	315	2	556	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1100	315	2	514	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	315	2	518	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	315	2	527	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	315	2	529	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1500	315	2	520	0	315	2	315	2	320	0	320	0	38	0	40	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	315	2	536	2	315	2	315	2	320	0	320	0	43	2	43	2	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	315	2	315	2	315	2	315	2	320	0	320	0	-4	2	-4	2	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	315	2	315	2	315	2	315	2	320	0	320	0	38	2	-4	2	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	315	2	538	2	315	2	315	2	320	0	320	0	14	2	14	2	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	315	2	500	0	315	2	315	2	320	0	320	0	23	0	23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	-150	2	477	2	315	2	315	2	320	0	320	0	7	0	5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	527	0	505	0	315	2	315	2	320	0	320	0	29	0	23	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	523	0	514	0	315	2	315	2	320	0	320	0	22	0	22	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0
2400	482	0	475	0	315	2	315	2	320	0	320	0	59	0	61	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
DEGREES, SPE [illegible] DIRECTION + DEGREE RAINFALL .01 INCHES, MSE RADIATION .01 LANGLEY

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S		
100	52	0	52	0	89	0	85	0	0	0	0	0	310	0	331	290	306	0	326	284	327	0	332	320	312	0	319	306	0	0	0	0	0	0
200	57	0	56	0	122	0	125	0	0	0	0	0	298	0	319	279	299	0	308	270	316	0	320	310	301	0	309	295	0	0	0	0	0	0
300	67	0	62	0	112	0	109	0	0	0	0	0	29	0	46	8	21	0	47	347	7	0	29	349	355	0	13	328	0	0	0	0	0	0
400	77	0	73	0	129	0	121	0	0	0	0	0	38	0	62	21	37	0	72	11	29	0	49	7	19	0	33	396	0	0	0	0	0	0
500	33	0	39	0	60	0	68	0	0	0	0	0	72	0	100	41	75	0	113	39	45	0	69	23	35	0	59	9	0	0	0	0	0	0
600	77	0	79	0	116	0	119	0	0	0	0	0	108	0	129	95	111	0	135	93	89	0	98	78	82	0	91	73	0	0	0	0	0	0
700	45	0	39	0	80	0	75	0	0	0	0	0	172	0	226	96	173	0	228	91	167	0	197	123	160	0	189	117	0	0	0	0	0	0
800	103	0	111	0	136	0	150	0	0	0	0	0	73	0	117	47	75	0	136	39	72	0	109	52	69	0	99	46	0	0	0	0	0	0
900	51	0	59	0	79	0	89	0	0	0	0	0	133	0	160	115	136	0	191	109	145	0	169	119	191	0	165	119	0	0	0	0	0	0
1000	101	0	98	0	126	0	127	0	0	0	0	0	102	0	129	71	106	0	136	69	98	0	111	79	99	0	110	75	0	0	0	0	0	0
1100	122	0	116	0	149	0	146	0	0	0	0	0	108	0	149	76	111	0	162	70	107	0	191	89	102	0	137	79	0	0	0	0	0	0
1200	209	0	208	0	248	0	249	0	0	0	0	0	121	0	151	101	129	0	148	93	120	0	191	95	117	0	139	93	0	0	0	0	0	0
1300	188	0	181	0	222	0	227	0	0	0	0	0	118	0	146	99	122	0	149	90	122	0	146	97	118	0	143	94	0	0	0	0	0	0
1400	189	0	181	0	202	0	206	0	0	0	0	0	117	0	129	93	121	0	147	101	116	0	139	91	112	0	133	89	0	0	0	0	0	0
1500	170	0	169	0	202	0	209	0	0	0	0	0	116	0	139	96	120	0	155	90	119	0	136	102	119	0	132	92	0	0	0	0	0	0
1600	118	0	127	0	185	0	192	0	0	0	0	0	139	0	161	108	137	0	173	113	145	0	162	122	191	0	168	118	0	0	0	0	0	0
1700	125	0	122	0	209	0	219	0	0	0	0	0	136	0	159	113	141	0	173	117	149	0	169	127	190	0	159	119	0	0	0	0	0	0
1800	209	0	210	0	262	0	270	0	0	0	0	0	122	0	137	101	129	0	169	101	125	0	149	102	123	0	140	102	0	0	0	0	0	0
1900	189	0	189	0	271	0	281	0	0	0	0	0	128	0	143	119	132	0	160	107	139	0	155	113	130	0	149	112	0	0	0	0	0	0
2000	197	0	211	0	315	0	321	0	0	0	0	0	132	0	156	115	136	0	162	119	139	0	165	120	136	0	159	117	0	0	0	0	0	0
2100	196	0	209	0	317	0	325	0	0	0	0	0	138	0	169	122	142	0	189	102	146	0	168	127	142	0	161	127	0	0	0	0	0	0
2200	159	0	161	0	286	0	289	0	0	0	0	0	151	0	177	113	159	0	205	112	160	0	183	126	158	0	189	137	0	0	0	0	0	0
2300	192	0	175	0	328	0	306	0	0	0	0	0	162	0	197	110	169	0	225	112	171	0	198	135	168	0	198	191	0	0	0	0	0	0
2400	201	0	193	0	339	0	330	0	0	0	0	0	160	0	227	121	159	0	206	101	168	0	195	143	165	0	189	143	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 140A	S	AMB. TEM4 140B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	507	0	500	0	315	2	315	2	320	0	320	0	45	0	47	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	509	0	496	0	315	2	315	2	320	0	320	0	52	0	56	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	520	0	513	0	315	2	315	2	320	0	320	0	19	0	16	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	505	0	500	0	315	2	315	2	320	0	320	0	7	0	11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	502	0	495	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	478	0	473	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
700	491	0	484	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	504	0	498	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	523	0	516	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	540	0	534	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	561	0	558	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	595	0	590	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1300	612	0	606	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	615	0	608	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	626	0	619	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1600	651	0	649	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	583	0	576	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1800	567	0	559	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1900	581	0	576	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	610	0	604	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	622	0	617	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	640	0	633	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2300	649	0	642	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2400	662	0	657	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2

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

DEGREES SPE[illegible] DIRECTION 1 DEGREE RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	189	0	163	0	325	0	277	0	0	0	0	0	197	0	255	138	193	0	248	104	195	0	224	160	189	0	219	162	0	0	0	0	0	0	0	0
200	205	0	180	0	292	0	257	0	0	0	0	0	225	0	283	189	224	0	305	183	211	0	236	175	205	0	232	173	0	0	0	0	0	0	0	0
300	223	0	195	0	308	0	282	0	0	0	0	0	223	0	252	184	223	0	261	157	216	0	242	190	210	0	235	184	0	0	0	0	0	0	0	0
400	238	0	200	0	345	0	305	0	0	0	0	0	218	0	256	80	221	0	268	149	210	0	237	153	204	0	240	166	0	0	0	0	0	0	0	0
500	336	0	325	0	480	0	506	0	0	0	0	0	242	0	265	216	241	0	279	206	238	0	255	207	229	0	246	206	0	0	0	0	0	0	0	0
600	354	0	350	0	495	0	522	0	0	0	0	0	241	0	269	208	243	0	281	210	242	0	276	223	232	0	257	206	0	0	0	0	0	0	0	0
700	390	0	378	0	528	0	537	0	0	0	0	0	242	0	263	199	244	0	277	207	243	0	261	216	231	0	247	207	0	0	0	0	0	0	0	0
800	421	0	402	0	565	0	580	0	0	0	0	0	245	0	261	213	246	0	279	216	246	0	262	228	235	0	249	216	0	0	0	0	0	0	0	0
900	426	0	408	0	584	0	597	0	0	0	0	0	249	0	266	228	248	0	281	218	250	0	264	236	241	0	251	229	0	0	0	0	0	0	0	0
1000	321	0	324	0	505	0	516	0	0	0	0	0	256	0	277	230	256	0	308	211	258	0	279	242	246	0	260	225	0	0	0	0	0	0	0	0
1100	285	0	281	0	424	0	431	0	0	0	0	0	260	0	280	237	258	0	292	211	259	0	274	233	247	0	264	209	0	0	0	0	0	0	0	0
1200	247	0	249	0	275	0	280	0	0	0	0	0	265	0	292	249	264	0	286	243	272	0	290	253	307	2	98	291	0	0	0	0	0	0	0	0
1300	250	0	258	0	348	0	357	0	0	0	0	0	262	0	277	242	261	0	297	232	262	0	274	246	310	2	332	284	0	0	0	0	0	0	0	0
1400	260	0	256	0	375	0	380	0	0	0	0	0	261	0	283	241	261	0	304	216	259	0	275	236	321	2	353	297	0	0	0	0	0	0	0	0
1500	226	0	236	0	343	0	349	0	0	0	0	0	258	0	278	234	259	0	286	225	259	0	282	239	304	2	322	283	0	0	0	0	0	0	0	0
1600	238	0	243	0	334	0	348	0	0	0	0	0	261	0	277	234	260	0	293	220	261	0	277	232	308	2	331	288	0	0	0	0	0	0	0	0
1700	275	0	290	0	348	0	354	0	0	0	0	0	265	0	275	250	264	0	283	229	266	0	274	257	305	2	316	291	0	0	0	0	0	0	0	0
1800	320	0	309	0	352	0	356	0	0	0	0	0	267	0	278	248	265	0	281	247	271	0	281	263	311	2	328	297	0	0	0	0	0	0	0	0
1900	271	0	267	0	299	0	304	0	0	0	0	0	266	0	279	253	265	0	281	246	271	0	284	262	310	2	338	298	0	0	0	0	0	0	0	0
2000	251	0	252	0	275	0	281	0	0	0	0	0	267	0	286	250	266	0	285	237	274	0	295	254	311	2	330	275	0	0	0	0	0	0	0	0
2100	198	0	197	0	232	0	235	0	0	0	0	0	280	0	309	250	278	0	308	231	284	0	333	245	320	2	353	279	0	0	0	0	0	0	0	0
2200	195	0	186	0	237	0	242	0	0	0	0	0	293	0	310	270	290	0	322	251	298	0	317	289	331	2	345	310	0	0	0	0	0	0	0	0
2300	193	0	201	0	217	0	221	0	0	0	0	0	268	0	284	257	268	0	294	249	273	0	289	261	314	2	338	298	0	0	0	0	0	0	0	0
2400	229	0	241	0	283	0	289	0	0	0	0	0	265	0	284	236	264	0	285	240	267	0	275	251	299	2	312	278	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	675	0	669	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	680	0	675	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	673	0	667	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	669	0	662	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	523	0	518	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	484	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	460	0	455	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	435	0	430	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	428	0	421	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	415	0	408	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	417	0	412	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	423	0	415	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	428	0	421	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	428	0	423	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	437	0	430	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	439	0	433	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	441	0	433	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	439	0	432	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	439	0	432	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	432	0	426	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	423	0	415	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	419	0	412	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	403	0	396	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	405	0	397	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	410	0	403	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S		
100	197	0	195	0	261	0	267	0	100	0	0	0	264	0	285	244	263	0	296	235	264	0	273	256	299	2	316	285	345	0	0	0	0	0
200	177	0	181	0	278	0	285	0	100	0	0	0	258	0	282	234	259	0	287	227	258	0	271	245	297	2	334	275	345	0	0	0	0	0
300	206	0	205	0	307	0	311	0	100	0	0	0	253	0	279	231	252	0	276	214	254	0	269	237	289	2	307	268	290	0	0	0	0	0
400	192	0	190	0	295	0	301	0	150	0	0	0	255	0	280	237	254	0	290	216	256	0	274	241	291	2	306	276	270	0	0	0	0	0
500	213	0	215	0	299	0	306	0	200	0	0	0	252	0	268	236	251	0	287	193	254	0	278	246	286	2	306	267	270	0	0	0	0	0
600	197	0	192	0	278	0	284	0	0	0	0	0	252	0	281	234	252	0	285	217	253	0	261	245	286	2	301	265	0	0	0	0	0	0
700	157	0	156	0	246	0	254	0	0	0	0	0	259	0	288	234	257	0	288	230	258	0	278	229	294	2	314	276	0	0	0	0	0	0
800	148	0	156	0	217	0	224	0	0	0	0	0	260	0	280	228	262	0	300	229	258	0	274	239	301	2	314	276	0	0	0	0	0	0
900	174	0	180	0	229	0	236	0	0	0	0	0	261	0	283	231	262	0	296	225	261	0	268	243	302	2	320	288	0	0	0	0	0	0
1000	162	0	166	0	193	0	198	0	0	0	0	0	262	0	277	239	261	0	285	232	265	0	279	240	303	2	315	282	0	0	0	0	0	0
1100	158	0	168	0	201	0	206	0	0	0	0	0	263	0	289	236	262	0	286	216	264	0	278	250	305	2	318	290	0	0	0	0	0	0
1200	118	0	121	0	136	0	137	0	0	0	0	0	265	0	295	244	262	0	298	218	273	0	293	238	299	2	319	274	0	0	0	0	0	0
1300	152	0	156	0	183	0	187	0	0	0	0	0	263	0	282	246	263	0	286	229	270	0	281	259	302	2	314	279	0	0	0	0	0	0
1400	99	0	99	0	121	0	125	0	0	0	0	0	271	0	304	243	269	0	326	236	281	0	320	235	317	2	345	276	0	0	0	0	0	0
1500	113	0	115	0	142	0	145	0	0	0	0	0	290	0	312	261	287	0	315	259	293	0	321	259	326	2	350	293	0	0	0	0	0	0
1600	89	0	90	0	130	0	136	0	0	0	0	0	285	0	322	240	283	0	339	230	294	0	318	242	358	2	26	322	0	0	0	0	0	0
1700	68	0	68	0	101	0	105	0	0	0	0	0	280	0	339	236	276	0	339	229	294	0	321	253	1	2	26	325	0	0	0	0	0	0
1800	68	0	67	0	82	0	85	0	0	0	0	0	276	0	328	244	273	0	319	225	290	0	316	259	3	2	31	322	0	0	0	0	0	0
1900	73	0	71	0	83	0	86	0	0	0	0	0	265	0	319	247	264	0	297	237	289	0	321	256	3	2	37	330	0	0	0	0	0	0
2000	72	0	71	0	113	0	114	0	0	0	0	0	286	0	322	259	284	0	319	254	300	0	312	264	14	2	31	346	0	0	0	0	0	0
2100	81	0	76	0	115	0	119	0	0	0	0	0	280	0	310	248	276	0	318	239	299	0	320	252	9	2	30	320	0	0	0	0	0	0
2200	73	0	71	0	103	0	107	0	0	0	0	0	261	0	298	240	260	0	293	234	290	0	321	268	2	2	21	334	0	0	0	0	0	0
2300	97	0	94	0	140	0	141	0	0	0	0	0	275	0	315	246	274	0	315	236	295	0	333	263	1	2	22	333	0	0	0	0	0	0
2400	102	0	100	0	152	0	157	0	0	0	0	0	250	0	271	226	250	0	274	220	268	0	283	243	343	2	357	321	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	410	0	403	0	315	2	315	2	320	0	320	0	-7	0	-5	0	8	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	410	0	403	0	315	2	315	2	320	0	320	0	-7	0	-5	0	8	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	415	0	408	0	315	2	315	2	320	0	320	0	-5	0	-4	0	8	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	417	0	410	0	315	2	315	2	320	0	320	0	-5	0	-5	0	21	0	0	0	469	2	50	0	0	0	0	0	0	0	0	0	0	0	0	2
500	414	0	408	0	315	2	315	2	320	0	320	0	-7	0	-5	0	21	0	0	0	464	2	100	0	0	0	0	0	0	0	0	0	0	0	0	2
600	408	0	401	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	412	0	405	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	415	0	408	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	419	0	414	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	421	0	414	0	315	2	315	2	320	0	320	0	-18	0	-14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	437	0	432	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	451	0	444	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	450	0	444	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	469	0	462	0	315	2	315	2	320	0	320	0	-25	0	-23	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	475	0	469	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	480	0	475	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	493	0	487	0	315	2	315	2	320	0	320	0	-29	0	-27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	480	0	475	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	466	0	459	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	450	0	442	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	453	0	444	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	432	0	426	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	448	0	441	0	315	2	315	2	320	0	320	0	27	0	29	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	450	0	442	0	315	2	315	2	320	0	320	0	31	0	31	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR MAY 2, 1984 PAGE 1'3

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	115	0	111	0	162	0	165	0	0	0	0	0	267	0	294	240	265	0	303	231	286	0	306	257	356	2	17	319	0	0	0	0	0	0	0
200	72	0	67	0	109	0	98	0	0	0	0	0	33	0	56	10	31	0	61	356	29	0	48	8	100	2	123	80	0	0	0	0	0	0	0
300	77	0	74	0	95	0	111	0	0	0	0	0	76	0	90	64	77	0	93	58	68	0	79	60	152	2	164	139	0	0	0	0	0	0	0
400	103	0	97	0	167	0	157	0	0	0	0	0	82	0	106	63	84	0	106	65	78	0	85	71	215	2	223	206	0	0	0	0	0	0	0
500	93	0	87	0	152	0	147	0	0	0	0	0	103	0	112	93	106	0	117	93	93	0	99	88	238	2	244	233	0	0	0	0	0	0	0
600	109	0	103	0	174	0	169	0	0	0	0	0	107	0	117	96	110	0	130	92	101	0	108	97	240	2	246	238	0	0	0	0	0	0	0
700	94	0	91	0	138	0	142	0	0	0	0	0	122	0	135	114	127	0	145	116	122	0	131	114	262	2	270	254	0	0	0	0	0	0	0
800	76	0	74	0	85	0	85	0	0	0	0	0	122	0	145	91	127	0	151	92	124	0	153	101	266	2	292	240	0	0	0	0	0	0	0
900	82	0	83	0	100	0	100	0	0	0	0	0	126	0	153	86	130	0	161	89	130	0	163	90	270	2	293	232	0	0	0	0	0	0	0
1000	77	0	75	0	91	0	94	0	0	0	0	0	121	0	166	102	125	0	170	101	125	0	148	105	267	2	291	246	0	0	0	0	0	0	0
1100	72	0	71	0	83	0	84	0	0	0	0	0	125	0	157	94	129	0	168	103	132	0	170	113	274	2	302	251	0	0	0	0	0	0	0
1200	78	0	78	0	101	0	100	0	0	0	0	0	140	0	190	103	145	0	203	99	143	0	180	114	284	2	312	254	0	0	0	0	0	0	0
1300	51	0	49	0	70	0	70	0	0	0	0	0	133	0	177	86	138	0	192	93	137	0	163	98	278	2	313	241	0	0	0	0	0	0	0
1400	52	0	49	0	59	0	61	0	0	0	0	0	96	0	138	56	98	0	137	37	105	0	148	55	240	2	281	190	0	0	0	0	0	0	0
1500	50	0	51	0	59	0	61	0	0	0	0	0	81	0	137	40	84	0	140	38	80	0	116	43	220	2	269	179	0	0	0	0	0	0	0
1600	96	0	78	2	105	0	100	2	0	0	0	0	73	0	121	34	22	0	94	0	69	0	112	22	0	2	0	0	0	0	0	0	0	0	0
1700	101	0	107	0	114	0	125	0	0	0	0	0	71	0	95	42	62	0	104	0	66	0	88	33	53	0	76	0	0	0	0	0	0	0	0
1800	111	0	120	0	128	0	146	0	0	0	0	0	69	0	107	44	69	0	105	33	64	0	82	46	55	0	75	31	0	0	0	0	0	0	0
1900	153	0	149	0	188	0	184	0	0	0	0	0	83	0	102	68	84	0	105	48	81	0	104	59	71	0	93	53	0	0	0	0	0	0	0
2000	152	0	141	0	199	0	189	0	0	0	0	0	88	0	111	76	90	0	118	67	84	0	102	69	75	0	94	58	0	0	0	0	0	0	0
2100	146	0	142	0	188	0	179	0	0	0	0	0	85	0	99	69	86	0	127	56	82	0	96	70	73	0	88	55	0	0	0	0	0	0	0
2200	171	0	164	0	222	0	217	0	0	0	0	0	99	0	129	74	101	0	146	70	98	0	142	80	87	0	109	75	0	0	0	0	0	0	0
2300	154	0	145	0	209	0	203	0	0	0	0	0	104	0	121	86	107	0	135	75	101	0	112	87	94	0	106	82	0	0	0	0	0	0	0
2400	155	0	143	0	191	0	187	0	0	0	0	0	110	0	128	94	112	0	138	81	106	0	119	91	99	0	112	83	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	450	0	442	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	408	0	401	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	397	0	390	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	387	0	379	0	315	2	315	2	320	0	320	0	23	0	27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	376	0	369	0	315	2	315	2	320	0	320	0	38	0	40	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	376	0	369	0	315	2	315	2	320	0	320	0	32	0	34	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	396	0	390	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	441	0	435	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	462	0	459	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	487	0	482	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	507	0	502	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	536	0	532	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	543	0	540	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	556	0	552	0	315	2	315	2	320	0	320	0	-14	0	-16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	561	0	559	0	315	2	315	2	320	0	320	0	-14	0	-16	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	572	0	563	2	315	2	315	2	320	0	320	0	-16	0	-18	2	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	556	0	550	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	529	0	525	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	518	0	513	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	498	0	493	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	477	0	471	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	471	0	464	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	464	0	457	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	468	0	462	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

DEGREES, SPEED

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	150	0	141	0	192	0	191	0	0	0	0	0	119	0	129	103	118	0	138	93	115	0	129	103	108	0	117	88	0	0	0	0	0	0	0	0	0	0
200	130	0	125	0	151	0	157	0	0	0	0	0	120	0	133	102	129	0	146	97	129	0	139	109	118	0	148	98	0	0	0	0	0	0	0	0	0	0
300	141	0	139	0	177	0	179	0	0	0	0	0	122	0	137	109	125	0	145	101	129	0	141	112	118	0	133	106	0	0	0	0	0	0	0	0	0	0
400	68	0	61	0	87	0	89	0	0	0	0	0	103	0	127	72	109	0	136	67	111	0	139	83	105	0	132	72	0	0	0	0	0	0	0	0	0	0
500	79	0	77	0	111	0	112	0	0	0	0	0	78	0	97	59	79	0	109	48	75	0	85	56	67	0	81	50	0	0	0	0	0	0	0	0	0	0
600	110	0	106	0	150	0	149	0	0	0	0	0	93	0	118	75	93	0	125	67	88	0	105	75	81	0	99	66	0	0	0	0	0	0	0	0	0	0
700	131	0	121	0	152	0	149	0	0	0	0	0	97	0	118	72	96	0	127	56	91	0	129	66	83	0	109	69	0	0	0	0	0	0	0	0	0	0
800	130	0	129	0	159	0	151	0	0	0	0	0	99	0	121	71	95	0	127	58	90	0	112	71	83	0	113	69	0	0	0	0	0	0	0	0	0	0
900	136	0	132	0	158	0	159	0	0	0	0	0	92	0	122	70	93	0	126	57	90	0	133	69	83	0	122	61	0	0	0	0	0	0	0	0	0	0
1000	149	0	137	0	169	0	167	0	0	0	0	0	105	0	128	83	105	0	147	70	100	0	135	79	93	0	130	67	0	0	0	0	0	0	0	0	0	0
1100	133	0	128	0	155	0	155	0	0	0	0	0	96	0	127	67	97	0	139	57	92	0	113	57	86	0	109	53	0	0	0	0	0	0	0	0	0	0
1200	152	0	148	0	175	0	173	0	0	0	0	0	99	0	126	69	97	0	139	57	89	0	119	62	82	0	117	91	0	0	0	0	0	0	0	0	0	0
1300	146	0	145	0	168	0	170	0	0	0	0	0	82	0	116	39	83	0	115	48	85	0	112	65	76	0	108	48	0	0	0	0	0	0	0	0	0	0
1400	158	0	153	0	189	0	186	0	0	0	0	0	116	0	132	97	121	0	150	89	111	0	132	79	106	0	128	65	0	0	0	0	0	0	0	0	0	0
1500	125	0	119	0	152	0	151	0	0	0	0	0	108	0	149	81	112	0	157	78	105	0	122	76	97	0	123	53	0	0	0	0	0	0	0	0	0	0
1600	119	0	107	0	140	0	141	0	0	0	0	0	102	0	130	76	109	0	159	10	98	0	118	70	91	0	110	65	0	0	0	0	0	0	0	0	0	0
1700	122	0	116	0	155	0	159	0	0	0	0	0	91	0	117	65	92	0	125	48	87	0	108	65	80	0	106	59	0	0	0	0	0	0	0	0	0	0
1800	105	0	97	0	135	0	132	0	0	0	0	0	98	0	123	76	101	0	137	61	99	0	129	79	87	0	110	61	0	0	0	0	0	0	0	0	0	0
1900	55	0	50	0	58	0	57	0	0	0	0	0	12	0	35	330	5	0	47	295	27	0	65	347	16	0	59	348	0	0	0	0	0	0	0	0	0	0
2000	93	0	82	0	140	0	97	0	0	0	0	0	359	0	49	326	353	0	46	318	1	0	27	319	348	0	18	318	0	0	0	0	0	0	0	0	0	0
2100	113	0	106	0	172	0	159	2	0	0	0	0	19	0	38	347	15	0	49	337	18	0	39	0	7	0	21	340	0	0	0	0	0	0	0	0	0	0
2200	97	0	99	0	148	0	132	2	0	0	0	0	45	0	62	32	45	0	71	17	45	0	53	23	33	0	49	7	0	0	0	0	0	0	0	0	0	0
2300	129	0	130	0	146	0	0	4	0	0	0	0	59	0	89	29	59	0	94	23	55	0	82	36	46	3	76	23	0	0	0	0	0	0	0	0	0	0
2400	82	0	87	0	97	0	97	2	0	0	0	0	57	0	83	27	56	0	84	23	51	0	83	21	40	0	70	1	0	0	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	SOLIM	S
100	957	0	950	0	315	2	315	2	320	0	320	0	-5	0	-9	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	971	0	966	0	315	2	315	2	320	0	320	0	-5	0	-9	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	966	0	960	0	315	2	315	2	320	0	320	0	-5	0	-9	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	957	0	950	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	937	0	930	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	926	0	921	0	315	2	315	2	320	0	320	0	-9	0	2	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	937	0	930	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	955	0	950	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	989	0	982	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	539	0	529	0	315	2	315	2	320	0	320	0	-19	0	-13	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	559	0	549	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	576	0	570	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	597	0	599	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	606	0	601	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	603	0	597	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	603	0	597	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	597	0	592	0	315	2	315	2	320	0	320		-9	0	-9	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	585	0	579	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	527	0	520	0	315	2	315	2	320	0	320	0	5	0	9	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	929	0	917	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	930	0	929	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	960	0	951	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	965	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	971	0	966	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	999	0	937	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

DEGREES, SPEED [illegible] DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	MIN	MAX	S
100	96	0	102	0	116	0	154	2	0	0	0	0	53	0	82	27	52	0	83	25	48	0	72	16	38	0	65	5	0	0	0	0	0	0	0	0
200	77	0	78	0	99	0	132	2	0	0	0	0	48	0	68	27	47	0	71	23	45	0	70	24	33	0	61	12	0	0	0	0	0	0	0	0
300	97	0	89	0	118	0	0	2	0	0	0	0	31	0	52	10	30	0	61	0	31	0	52	12	19	3	49	357	0	0	0	0	0	0	0	0
400	107	0	101	0	125	0	140	2	0	0	0	0	28	0	49	12	24	0	57	0	23	0	52	5	10	0	30	349	0	0	0	0	0	0	0	0
500	142	0	132	0	173	0	140	2	0	0	0	0	30	0	50	14	28	0	69	0	25	0	49	9	13	0	39	348	0	0	0	0	0	0	0	0
600	139	0	132	0	166	0	4	0	0	0	0	0	31	0	56	9	28	0	61	3	27	0	52	5	14	3	41	347	0	0	0	0	0	0	0	0
700	123	0	118	0	150	0	90	2	0	0	0	0	35	0	65	12	33	0	82	4	30	0	59	5	19	0	41	354	0	0	0	0	0	0	0	0
800	127	0	120	0	138	0	140	2	0	0	0	0	30	0	49	14	27	0	57	355	20	0	43	352	9	0	28	345	0	0	0	0	0	0	0	0
900	109	0	100	0	144	0	140	2	0	0	0	0	24	0	42	343	20	0	58	348	17	0	43	342	5	0	38	346	0	0	0	0	0	0	0	0
1000	108	0	103	0	135	0	4	2	0	0	0	0	24	0	49	356	21	0	48	342	14	0	49	341	2	3	31	331	0	0	0	0	0	0	0	0
1100	87	0	80	0	113	0	90	2	0	0	0	0	23	0	58	311	21	0	73	320	16	0	43	341	3	0	39	321	0	0	0	0	0	0	0	0
1200	98	0	96	0	134	0	127	0	0	0	0	0	343	0	10	305	339	0	11	305	349	0	19	321	334	0	1	310	0	0	0	0	0	0	0	0
1300	92	0	88	0	116	0	112	0	0	0	0	0	347	0	19	304	341	0	16	288	348	0	9	319	334	0	9	309	0	0	0	0	0	0	0	0
1400	62	0	60	0	72	0	5	2	0	0	0	0	329	0	8	290	325	0	25	284	337	0	18	304	322	0	16	297	0	0	0	0	0	0	0	0
1500	56	0	52	0	60	0	0	2	0	0	0	0	299	0	323	265	296	0	337	244	309	0	5	283	294	0	356	266	0	0	0	0	0	0	0	0
1600	81	0	79	0	85	0	127	2	0	0	0	0	267	0	323	221	265	0	321	223	278	0	319	240	265	0	305	232	0	0	0	0	0	0	0	0
1700	47	0	44	0	51	0	112	2	0	0	0	0	284	0	333	229	282	0	331	216	302	0	331	265	285	0	308	236	0	0	0	0	0	0	0	0
1800	42	0	39	0	38	0	5	2	0	0	0	0	305	0	328	272	300	0	330	248	302	0	323	278	287	0	300	266	0	0	0	0	0	0	0	0
1900	24	0	30	0	35	0	36	0	0	0	0	0	142	0	183	107	147	0	175	123	140	0	153	122	133	0	146	114	0	0	0	0	0	0	0	0
2000	45	0	40	0	64	0	51	0	0	0	0	0	179	0	207	155	180	0	216	137	175	0	184	162	166	0	174	154	0	0	0	0	0	0	0	0
2100	59	0	41	0	105	0	99	0	0	0	0	0	204	0	235	178	207	0	250	182	205	0	208	200	196	0	200	188	0	0	0	0	0	0	0	0
2200	82	0	58	0	129	0	121	0	0	0	0	0	207	0	223	191	207	0	227	184	218	0	222	213	211	0	214	205	0	0	0	0	0	0	0	0
2300	78	0	52	0	118	0	128	0	0	0	0	0	213	0	219	204	213	0	229	192	223	0	227	217	216	0	219	210	0	0	0	0	0	0	0	0
2400	91	0	64	0	152	0	131	0	0	0	0	0	206	0	219	182	207	0	232	172	216	0	220	211	209	0	213	200	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	426	0	419	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	423	0	415	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	419	0	412	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	412	0	406	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
500	414	0	408	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	4	0	2
600	412	0	405	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	408	0	403	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	406	0	401	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	401	0	396	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	394	0	390	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	401	0	396	0	315	2	315	2	320	0	320	0	-11	0	-7	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	390	0	385	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	388	0	381	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	410	0	406	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	421	0	417	0	315	2	315	2	320	0	320	0	-36	0	-34	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	406	0	401	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1700	417	0	412	0	315	2	315	2	320	0	320	0	-23	0	-20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	410	0	403	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	410	0	403	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	408	0	401	0	315	2	315	2	320	0	320	0	0	0	4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	415	0	410	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	432	0	426	0	315	2	315	2	320	0	320	0	36	0	36	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2300	448	0	441	0	315	2	315	2	320	0	320	0	39	0	39	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2400	449	0	437	0	315	2	315	2	320	0	320	0	50	0	52	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

[illegible] TEMPERATURE 1 DEGREES, SPEED 1 MPH DIRECTION 1 DEGREE RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	57	0	40	0	126	0	104	0	0	0	0	0	203	0	248	158	205	0	247	151	200	0	211	188	191	0	203	178	0	0	0	0	0	0
200	66	0	50	0	137	0	113	0	0	0	0	0	198	0	235	146	198	0	262	115	198	0	213	178	190	0	205	176	0	0	0	0	0	1
300	66	0	49	0	129	0	110	0	0	0	0	0	199	0	228	124	200	0	247	112	204	0	215	191	197	0	210	192	0	0	0	0	0	0
400	95	0	81	0	151	0	144	0	0	0	0	0	222	0	257	185	223	0	270	181	223	0	253	196	213	0	234	190	0	0	0	0	0	0
500	119	0	109	0	173	0	179	0	0	0	0	0	232	0	264	200	233	0	270	192	231	0	251	208	221	0	243	196	0	0	0	0	0	0
600	114	0	107	0	161	0	166	0	0	0	0	0	232	0	255	194	233	0	267	195	233	0	257	215	221	0	244	195	0	0	0	0	0	0
700	90	0	84	0	133	0	137	0	0	0	0	0	233	0	268	189	234	0	265	180	234	0	261	213	223	0	246	194	0	0	0	0	0	0
800	99	0	94	0	132	0	135	0	0	0	0	0	236	0	266	203	236	0	268	169	232	0	254	213	222	0	248	194	0	0	0	0	0	0
900	99	0	96	0	130	0	135	0	0	0	0	0	240	0	270	217	240	0	292	194	240	0	256	216	230	0	246	214	0	0	0	0	0	0
1000	75	0	69	0	99	0	102	0	0	0	0	0	239	0	274	195	239	0	282	195	237	0	270	211	228	0	249	203	0	0	0	0	0	0
1100	86	0	84	0	111	0	115	0	0	0	0	0	248	0	305	212	249	0	293	204	252	0	266	227	241	0	264	201	0	0	0	0	0	0
1200	97	0	97	0	122	0	128	0	0	0	0	0	259	0	289	227	258	0	296	216	256	0	280	229	245	0	263	222	0	0	0	0	0	0
1300	88	0	85	0	102	0	105	0	0	0	0	0	265	0	308	238	263	0	295	225	270	0	297	247	258	0	287	236	0	0	0	0	0	0
1400	70	0	68	0	72	0	102	2	0	0	0	0	266	0	296	240	265	0	307	237	269	0	292	228	257	0	275	219	0	0	0	0	0	1
1500	54	0	51	0	51	0	115	2	0	0	0	0	260	0	300	223	258	0	304	205	262	0	285	217	250	0	270	202	0	0	0	0	0	1
1600	60	0	58	0	57	0	63	0	0	0	0	0	259	0	290	238	256	0	285	218	246	0	289	212	226	0	261	0	0	0	0	0	0	0
1700	55	0	52	0	51	0	57	0	0	0	0	0	257	0	294	223	256	0	292	217	249	0	329	200	245	0	298	187	0	0	0	0	0	0
1800	37	0	33	0	42	0	42	0	0	0	0	0	227	0	267	176	228	0	293	182	221	0	247	183	221	0	245	184	0	0	0	0	0	0
1900	34	0	27	0	53	0	46	0	0	0	0	0	212	0	250	130	215	3	318	181	205	0	224	179	204	0	223	182	0	0	0	0	0	0
2000	42	0	35	0	84	0	71	0	0	0	0	0	174	0	209	135	174	0	248	126	183	0	194	170	182	0	194	173	0	0	0	0	0	0
2100	49	0	37	0	114	0	99	0	0	0	0	0	192	0	224	146	192	0	247	127	196	0	209	184	196	0	203	185	0	0	0	0	0	0
2200	69	0	52	0	131	0	113	0	0	0	0	0	205	0	242	167	207	0	262	137	208	0	220	195	208	0	217	194	0	0	0	0	0	0
2300	62	0	46	0	113	0	100	0	0	0	0	0	200	0	240	162	199	0	243	149	208	0	227	188	207	0	223	198	0	0	0	0	0	0
2400	59	0	45	0	96	0	89	0	0	0	0	0	204	0	248	148	203	0	251	149	214	0	241	194	213	0	234	189	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	437	0	430	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	442	0	435	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	442	0	435	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	466	0	459	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	471	0	466	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	475	0	468	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	477	0	473	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	495	0	489	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	498	0	493	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	516	0	511	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	538	0	532	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	543	0	538	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	554	0	547	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	581	0	576	0	315	2	315	2	320	0	320	0	-23	0	-20	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	590	0	585	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	612	0	606	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	613	0	608	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	608	0	603	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	606	0	599	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	590	0	583	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	576	0	568	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	572	0	567	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	559	0	554	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	559	0	554	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODE(S) DEFINITIONS - 0 =VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 =FLAT DIRECTION
1 DEGREES, [illegible] DIRECTION 1 DEGREE [illegible] INCHES, NOT RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	71	0	53	0	122	0	111	0	0	0	0	0	209	0	266	149	209	0	241	150	213	0	230	198	213	0	229	197	0	0	0	0	0	1
200	49	0	40	0	89	0	87	0	0	0	0	0	186	0	218	149	186	0	225	148	217	0	233	198	217	0	229	199	0	0	0	0	0	1
300	49	0	45	0	59	0	48	0	0	0	0	0	147	0	165	137	149	0	168	139	201	0	220	172	202	0	224	173	0	0	0	0	0	1
400	55	0	51	0	86	0	81	0	0	0	0	0	140	0	153	125	143	0	161	126	168	0	177	160	169	0	178	162	0	0	0	0	0	1
500	62	0	55	0	95	0	73	0	0	0	0	0	157	0	186	130	158	0	196	124	176	0	180	170	176	0	179	171	0	0	0	0	0	1
600	56	0	53	0	94	0	73	0	0	0	0	0	170	0	193	146	172	0	200	128	191	0	203	184	190	0	202	183	0	0	0	0	0	1
700	49	0	46	0	70	0	54	0	0	0	0	0	143	0	163	119	147	0	169	123	177	0	183	172	177	0	183	172	0	0	0	0	0	1
800	54	0	50	0	85	0	82	0	0	0	0	0	145	0	191	111	148	0	230	105	162	0	184	136	163	0	184	138	0	0	0	0	0	1
900	49	0	48	0	59	0	62	0	0	0	0	0	133	0	190	103	138	0	213	102	142	0	192	91	149	0	189	111	0	0	0	0	0	1
1000	69	0	69	0	95	0	98	0	0	0	0	0	134	0	227	102	139	0	184	104	145	0	207	118	148	0	184	121	0	0	0	0	0	1
1100	86	0	84	0	115	0	117	0	0	0	0	0	129	0	159	97	135	0	214	92	138	0	172	104	140	0	177	100	0	0	0	0	0	1
1200	95	0	92	0	114	0	117	0	0	0	0	0	121	0	160	81	125	0	172	70	122	0	170	79	123	0	160	80	0	0	0	0	0	1
1300	128	0	127	0	142	0	151	0	0	0	0	0	123	0	152	95	125	0	172	92	128	0	172	106	128	0	172	106	0	0	0	0	0	1
1400	101	0	102	0	139	0	143	0	0	0	0	0	132	0	170	50	141	0	192	102	142	0	168	113	144	0	168	114	0	0	0	0	0	1
1500	117	0	117	0	134	0	136	0	0	0	0	0	115	0	151	67	118	0	161	79	112	0	149	63	112	0	157	71	0	0	0	0	0	1
1600	127	0	130	0	155	0	163	0	0	0	0	0	126	0	154	108	130	0	159	102	129	0	150	104	129	0	156	104	0	0	0	0	0	1
1700	130	0	127	0	148	0	154	0	0	0	0	0	120	0	145	89	124	0	160	92	122	0	143	101	123	0	142	98	0	0	0	0	0	1
1800	143	0	134	0	157	0	163	0	0	0	0	0	119	0	134	103	122	0	140	93	120	0	134	97	122	0	136	93	0	0	0	0	0	1
1900	129	0	125	0	154	0	165	0	0	0	0	0	122	0	136	102	126	0	147	101	125	0	143	104	126	0	142	104	0	0	0	0	0	1
2000	121	0	117	0	150	0	160	0	0	0	0	0	118	0	139	100	125	0	148	101	126	0	152	108	126	0	144	112	0	0	0	0	0	1
2100	134	0	128	0	179	0	179	0	0	0	0	0	109	0	125	90	112	0	138	79	104	0	117	80	105	0	119	79	0	0	0	0	0	1
2200	117	0	111	0	149	0	152	0	0	0	0	0	113	0	129	94	114	0	150	78	110	0	125	97	112	0	126	98	0	0	0	0	0	1
2300	120	0	111	0	156	0	161	0	0	0	0	0	113	0	129	95	119	0	139	89	111	0	122	95	112	0	128	92	0	0	0	0	0	1
2400	154	0	148	0	179	0	187	0	0	0	0	0	117	0	135	103	120	0	145	78	116	0	136	100	117	0	133	100	0	0	0	0	0	1

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	554	0	547	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	547	0	541	0	315	2	315	2	320	0	320	0	20	0	20	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	518	0	511	0	315	2	315	2	320	0	320	0	36	0	36	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
400	500	0	493	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
500	498	0	493	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
600	511	0	504	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
700	511	0	505	0	315	2	315	2	320	0	320	0	49	0	50	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
800	559	0	556	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
900	601	0	597	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1000	626	0	622	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1100	642	0	637	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1200	649	0	649	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1300	649	0	648	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1400	664	0	660	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1500	664	0	660	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1600	664	0	658	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1700	660	0	657	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1800	651	0	646	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1900	637	0	631	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	628	0	622	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	604	0	599	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	590	0	585	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2300	574	0	568	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2400	567	0	559	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2

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

[illegible] DEGREES, SPEED [illegible] DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	170	0	162	0	203	0	212	0	0	0	0	0	116	0	127	96	120	0	135	83	115	0	127	100	118	0	132	103	0	0	0	0	0	0
200	199	0	138	0	176	0	188	0	0	0	0	0	118	0	132	99	122	0	153	96	121	0	132	110	124	0	139	111	0	0	0	0	0	0
300	106	0	105	0	146	0	152	0	0	0	0	0	127	0	139	112	131	0	161	112	130	0	149	117	133	0	149	116	0	0	0	0	0	0
400	87	0	90	0	125	0	129	0	0	0	0	0	131	0	151	115	135	0	168	112	137	0	149	125	140	0	159	124	0	0	0	0	0	0
500	70	0	74	0	123	0	124	0	0	0	0	0	144	0	173	122	147	0	182	124	157	0	178	143	159	0	179	95	0	0	0	0	0	0
600	79	0	69	0	131	0	114	0	0	0	0	0	170	0	207	124	168	0	230	116	177	0	206	149	180	0	205	159	0	0	0	0	0	0
700	62	0	54	0	114	0	101	0	0	0	0	0	176	0	225	101	179	0	269	91	182	0	208	155	183	0	213	150	0	0	0	0	1	0
800	50	0	40	0	85	0	74	0	0	0	0	0	194	0	256	90	196	0	258	93	198	0	238	160	197	0	232	162	0	0	0	0	0	0
900	78	0	71	0	101	0	94	0	0	0	0	0	231	0	288	184	231	0	318	182	216	0	258	164	214	0	259	106	0	0	0	0	0	0
1000	159	0	147	0	227	0	242	0	0	0	0	0	245	0	265	213	245	0	271	207	250	0	260	236	248	0	258	231	0	0	0	0	0	0
1100	166	0	163	0	223	0	235	0	0	0	0	0	245	0	274	225	245	0	274	213	247	0	255	236	245	0	253	231	0	0	0	0	0	0
1200	139	0	133	0	214	0	225	0	0	0	0	0	245	0	273	223	245	0	274	195	257	0	266	246	255	0	263	247	0	0	0	0	0	0
1300	129	0	130	0	221	0	235	0	0	0	0	0	258	0	285	227	256	0	282	216	266	0	275	247	264	0	272	249	0	0	0	0	0	0
1400	131	0	125	0	193	0	202	0	0	0	0	0	245	0	266	212	246	0	273	205	254	0	265	245	253	0	268	243	0	0	0	0	0	0
1500	148	0	152	0	197	0	209	0	0	0	0	0	259	0	287	227	257	0	284	225	263	0	282	229	260	0	275	215	0	0	0	0	0	0
1600	98	0	96	0	197	0	208	0	0	0	0	0	249	0	274	217	248	0	274	214	261	0	286	249	260	0	290	241	0	0	0	0	0	0
1700	203	0	205	0	230	0	241	0	0	0	0	0	267	0	288	255	268	0	285	239	270	0	282	262	267	0	284	264	0	0	0	0	0	0
1800	173	0	171	0	211	0	222	0	0	0	0	0	267	0	291	242	266	0	285	236	270	0	276	266	267	0	273	263	0	0	0	0	0	0
1900	85	0	83		140	0	146	0	0	0	0	0	261	0	284	234	260	0	284	225	279	0	309	262	275	0	302	256	0	0	0	0	0	0
2000	78	0	76	0	124	0	130	0	0	0	0	0	289	0	320	270	288	0	319	261	299	0	320	264	293	0	308	260	0	0	0	0	0	0
2100	94	0	86	0	148	0	158	0	0	0	0	0	294	0	316	276	292	0	326	261	311	0	327	285	304	0	317	288	0	0	0	0	0	0
2200	102	0	98	0	182	0	185	0	0	0	0	0	334	0	21	283	330	0	26	283	337	0	0	319	330	0	7	306	0	0	0	0	0	0
2300	65	0	61	0	102	0	103	0	0	0	0	0	326	0	23	283	322	0	38	272	326	0	2	295	319	0	356	292	0	0	0	0	0	0
2400	114	0	114	0	145	0	157	0	0	0	0	0	288	0	318	255	285	0	317	258	291	0	315	255	284	0	313	255	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	550	0	545	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	540	0	534	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	536	0	529	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	536	0	529	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	545	0	540	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	550	0	543	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	552	0	547	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	574	0	568	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	594	0	588	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	565	0	559	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	590	0	585	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	563	0	558	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	561	0	554	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	583	0	577	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	586	0	581	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	554	0	549	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	622	0	619	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	603	0	597	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	547	0	540	0	315	2	315	2	320	0	320	0	34	0	36	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	541	0	536	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	496	0	491	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	477	0	471	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	468	0	462	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	478	0	473	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	86	0	84	0	131	0	136	0	0	0	0	0	311	0	339	280	309	0	352	251	320	0	0	301	314	0	334	292	0	0	0	0
200	83	0	80	0	121	0	121	0	0	0	0	0	336	0	28	305	335	0	24	290	334	0	0	301	327	0	356	286	0	0	0	0
300	81	0	78	0	121	0	124	0	0	0	0	0	310	0	8	285	308	0	1	270	325	0	358	302	318	0	350	299	0	0	0	0
400	128	0	120	0	152	0	159	0	0	0	0	0	292	0	311	272	289	0	321	263	297	0	307	276	291	0	300	261	0	0	0	0
500	93	0	87	0	121	0	125	0	0	0	0	0	298	0	321	275	295	0	320	236	307	0	321	298	300	0	315	292	0	0	0	0
600	95	0	89	0	109	0	113	0	0	0	0	0	265	0	317	226	263	0	304	227	274	0	314	251	269	0	305	241	0	0	0	0
700	123	0	121	0	150	0	154	0	0	0	0	0	274	0	317	247	272	0	303	237	280	0	309	247	274	0	325	240	0	0	0	0
800	148	0	142	0	169	0	175	0	0	0	0	0	271	0	305	246	270	0	306	229	281	0	317	245	276	0	310	238	0	0	0	0
900	170	0	170	0	204	0	218	0	0	0	0	0	281	0	310	245	277	0	327	229	285	0	319	247	281	0	318	248	0	0	0	0
1000	154	0	154	0	177	0	187	0	0	0	0	0	277	0	302	250	274	0	308	228	288	0	318	248	281	0	312	235	0	0	0	0
1100	142	0	137	0	163	0	175	0	0	0	0	0	287	0	321	258	286	0	351	238	291	0	323	256	284	0	314	255	0	0	0	0
1200	115	0	113	0	135	0	143	0	0	0	0	0	282	0	317	250	280	0	338	226	284	0	326	242	277	0	320	232	0	0	0	0
1300	92	0	91	0	98	0	105	0	0	0	0	0	287	0	314	248	284	0	326	233	285	0	322	245	279	0	311	238	0	0	0	0
1400	139	0	140	0	147	0	155	0	0	0	0	0	263	0	278	245	262	0	286	236	266	0	282	254	262	0	278	248	0	0	0	0
1500	119	0	122	0	142	0	152	0	0	0	0	0	262	0	288	236	259	0	292	224	261	0	273	234	257	0	269	231	0	0	0	0
1600	169	0	169	0	189	0	200	0	0	0	0	0	266	0	283	246	262	0	292	234	272	0	286	241	268	0	289	246	0	0	0	0
1700	160	0	163	0	185	0	192	0	0	0	0	0	265	0	279	242	263	0	275	250	268	0	286	249	265	0	284	253	0	0	0	0
1800	159	0	158	0	179	0	189	0	0	0	0	0	267	0	288	247	265	0	293	227	271	0	293	251	268	0	296	253	0	0	0	0
1900	166	0	163	0	210	0	223	0	0	0	0	0	280	0	308	250	277	0	319	237	287	0	314	251	282	0	314	249	0	0	0	0
2000	179	0	175	0	204	0	216	0	0	0	0	0	289	0	312	243	286	0	338	227	289	0	315	251	284	0	310	248	0	0	0	0
2100	164	0	146	0	211	0	216	0	0	0	0	0	295	0	319	278	292	0	326	255	302	0	314	291	294	0	306	284	0	0	0	0
2200	137	0	131	0	155	0	159	0	0	0	0	0	273	0	301	246	272	0	315	227	282	0	307	256	276	0	308	249	0	0	0	0
2300	197	0	201	0	204	0	213	0	0	0	0	0	266	0	284	253	264	0	285	239	269	0	298	261	265	0	293	258	0	0	0	0
2400	222	0	227	0	237	0	248	0	0	0	0	0	267	0	281	249	266	0	288	237	270	0	288	256	265	0	278	253	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	442	0	437	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	439	0	432	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	439	0	432	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	437	0	430	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	417	0	412	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	414	0	406	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	415	0	410	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	412	0	405	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	417	0	410	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	415	0	410	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	415	0	408	0	315	2	315	2	320	0	320	0	-18	0	-14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	430	0	423	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	430	0	426	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	432	0	426	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	446	0	439	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	450	0	442	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	442	0	435	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	437	0	432	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	442	0	435	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	432	0	426	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	441	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	412	0	405	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	406	0	401	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	406	0	401	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	477	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	408	0	403	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	208	0	206	0	239	0	249	0	0	0	0	0	268	0	295	245	267	0	294	237	275	0	304	239	269	0	297	243	0	0	0	0	0	0
200	237	0	238	0	259	0	266	0	0	0	0	0	268	0	291	250	265	0	300	219	274	0	299	237	269	0	295	236	0	0	0	0	0	0
300	169	0	166	0	242	0	256	0	0	0	0	0	257	0	278	227	255	0	289	229	257	0	273	233	254	0	275	233	0	0	0	0	0	0
400	217	0	209	0	258	0	265	0	0	0	0	0	293	0	309	274	288	0	329	259	298	0	307	279	290	0	297	271	0	0	0	0	0	0
500	182	0	177	0	202	0	212	0	0	0	0	0	293	0	311	253	290	0	329	250	291	0	317	251	284	0	307	255	0	0	0	0	0	0
600	182	0	179	0	219	0	226	0	0	0	0	0	282	0	325	246	280	0	346	228	285	0	315	239	280	0	311	230	0	0	0	0	0	0
700	163	0	157	0	193	0	200	0	0	0	0	0	284	0	314	242	280	0	329	239	285	0	310	251	279	0	304	238	0	0	0	0	0	0
800	215	0	202	0	254	0	261	0	0	0	0	0	290	0	309	251	286	0	315	250	296	0	319	259	289	0	303	244	0	0	0	0	0	0
900	224	0	216	0	246	0	258	0	0	0	0	0	292	0	313	260	288	0	327	260	295	0	310	258	288	0	308	249	0	0	0	0	0	0
1000	193	0	174	0	226	0	250	0	0	0	0	0	293	0	304	275	290	0	334	264	302	0	312	293	294	0	305	284	0	0	0	0	0	0
1100	178	0	166	0	222	0	232	0	0	0	0	0	304	0	331	285	301	0	330	263	316	0	328	303	308	0	321	294	0	0	0	0	0	0
1200	125	0	127	0	182	0	185	0	0	0	0	0	313	0	349	284	310	0	3	273	326	0	0	288	318	0	339	291	0	0	0	0	0	0
1300	121	0	115	0	165	0	166	0	0	0	0	0	313	0	350	270	311	0	350	264	328	0	4	292	319	0	355	290	0	0	0	0	0	0
1400	98	0	97	0	130	0	131	0	0	0	0	0	316	0	6	270	311	0	351	262	329	0	351	301	320	0	339	283	0	0	0	0	0	0
1500	84	0	80	0	113	0	115	0	0	0	0	0	309	0	336	269	306	0	352	206	324	0	347	299	316	0	339	284	0	0	0	0	0	0
1600	65	0	62	0	69	0	74	0	0	0	0	0	273	0	313	237	270	0	330	226	276	0	304	239	269	0	296	227	0	0	0	0	0	0
1700	60	0	58	0	61	0	67	0	0	0	0	0	258	0	304	211	257	0	316	204	263	0	317	229	258	0	289	221	0	0	0	0	0	0
1800	50	0	48	0	56	0	61	0	0	0	0	0	247	0	277	218	246	0	271	207	255	0	292	225	222	0	290	216	0	0	0	0	0	0
1900	61	0	59	0	52	0	56	0	0	0	0	0	247	0	277	224	247	0	278	220	238	0	262	217	235	0	253	219	0	0	0	0	0	0
2000	46	0	33	0	67	0	60	0	0	0	0	0	206	0	236	173	206	0	249	172	209	0	229	192	209	0	230	189	0	0	0	0	0	0
2100	71	0	52	0	122	0	107	0	0	0	0	0	197	0	218	164	199	0	236	164	209	0	217	203	209	0	218	201	0	0	0	0	0	0
2200	84	0	66	0	131	0	118	0	0	0	0	0	198	0	227	163	200	0	247	158	214	0	220	206	214	0	222	205	0	0	0	0	0	0
2300	85	0	61	0	149	0	161	0	0	0	0	0	201	0	216	181	203	0	232	161	222	0	228	214	222	0	226	213	0	0	0	0	0	0
2400	79	0	58	0	152	0	129	0	0	0	0	0	202	0	230	170	203	0	254	163	213	0	219	203	213	0	219	204	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	403	0	397	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	405	0	399	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	414	0	408	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	403	0	396	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	396	0	388	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	401	0	394	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	394	0	387	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	397	0	390	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	399	0	392	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	406	0	401	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	414	0	408	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1200	412	0	405	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	406	0	399	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	414	0	406	0	315	2	315	2	320	0	320	0	-25	0	-23	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	437	0	430	0	315	2	315	2	320	0	320	0	-43	0	-41	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	426	0	421	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	428	0	421	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	430	0	424	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	435	0	428	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	430	0	423	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	441	0	435	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	449	0	437	0	315	2	315	2	320	0	320	0	49	0	50	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	442	0	435	0	315	2	315	2	320	0	320	0	65	0	67	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	444	0	437	0	315	2	315	2	320	0	320	0	50	0	50	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		S
100	79	0	58	0	149	0	131	0	0	0	0	0	206	0	245	163	207	0	243	171	209	0	217	203	209	0	218	202	0	0	0	0	0	0	
200	89	0	62	0	148	0	131	0	0	0	0	0	209	0	245	166	207	0	246	198	206	0	215	193	205	0	216	190	0	0	0	0	0	0	
300	74	0	55	0	121	0	112	0	0	0	0	0	212	0	239	187	212	0	251	179	219	0	240	174	212	0	241	185	0	0	0	0	0	0	
400	53	0	41	0	110	0	98	0	0	0	0	0	192	0	222	156	193	0	240	127	210	0	222	196	211	0	227	198	0	0	0	0	0	0	
500	55	0	46	0	106	0	95	0	0	0	0	0	186	0	213	147	186	0	217	137	213	0	225	205	214	0	224	196	0	0	0	0	0	0	
600	58	0	49	0	120	0	122	0	0	0	0	0	188	0	209	167	189	0	229	147	220	0	231	208	219	0	226	208	0	0	0	0	0	0	
700	52	0	40	0	108	0	113	0	0	0	0	0	188	0	226	149	187	0	227	137	221	0	235	208	221	0	233	204	0	0	0	0	0	0	
800	40	0	28	0	54	0	51	0	0	0	0	0	205	0	260	149	206	3	263	136	210	0	249	159	209	0	243	162	0	0	0	0	0	0	
900	77	0	73	0	83	0	86	0	0	0	0	0	245	0	284	218	245	0	302	185	226	0	258	200	224	0	253	192	0	0	0	0	0	0	
1000	74	0	65	0	83	0	78	0	0	0	0	0	233	0	300	180	235	0	327	185	223	0	269	180	217	0	255	169	0	0	0	0	0	0	
1100	98	0	95	0	114	0	122	0	0	0	0	0	244	0	276	220	244	0	285	208	249	0	275	228	246	0	258	219	0	0	0	0	0	0	
1200	75	0	73	0	91	0	98	0	0	0	0	0	249	0	268	226	250	0	273	226	253	0	285	238	249	0	266	230	0	0	0	0	0	0	
1300	69	0	55	0	79	0	76	0	0	0	0	0	236	0	291	197	230	0	269	178	220	0	262	172	216	0	262	160	0	0	0	0	0	0	
1400	94	0	79	0	123	0	119	0	0	0	0	0	231	0	278	195	223	0	262	127	216	0	265	155	215	0	264	141	0	0	0	0	0	0	
1500	66	0	60	0	93	0	99	0	0	0	0	0	233	0	283	197	235	0	327	184	227	0	261	183	226	0	261	196	0	0	0	0	0	0	
1600	63	0	60	0	92	0	91	0	0	0	0	0	142	0	264	90	150	0	247	102	155	0	202	115	156	0	185	121	0	0	0	0	0	0	
1700	87	0	84	0	131	0	132	0	0	0	0	0	125	0	169	20	149	0	200	92	155	0	181	125	157	0	186	123	0	0	0	0	0	0	
1800	75	0	76	0	104	0	113	0	0	0	0	0	128	0	151	103	133	0	176	105	136	0	159	118	138	0	163	116	0	0	0	0	0	0	
1900	95	0	92	0	133	0	140	0	0	0	0	0	127	0	191	113	131	0	158	114	131	0	139	116	132	0	150	120	0	0	0	0	0	0	
2000	84	0	79	0	114	0	119	0	0	0	0	0	125	0	144	112	129	0	157	102	128	0	146	110	131	0	150	117	0	0	0	0	0	0	
2100	79	0	80	0	129	0	133	0	0	0	0	0	135	0	154	116	139	0	160	116	137	0	149	121	139	0	151	126	0		0	0	0	0	
2200	82	0	75	0	106	0	110	0	0	0	0	0	115	0	127	97	118	0	138	91	118	0	136	100	119	0	139	101	0	0	0	0	0	0	
2300	38	0	31	0	76	0	77	0	0	0	0	0	117	0	151	51	117	0	178	80	158	0	181	132	159	0	179	132	0	0	0	0	0	0	
2400	57	0	53	0	104	0	105	0	0	0	0	0	130	0	175	108	131	0	172	93	154	0	177	131	156	0	176	132	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	996	0	939	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	969	0	969	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	969	0	959	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	939	0	930	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	928	0	921	0	315	2	315	2	320	0	320	0	38	0	40	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	929	0	919	0	315	2	315	2	320	0	320	0	40	0	41	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	946	0	939	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	516	0	511	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	541	0	538	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1000	581	0	576	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	588	0	583	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	590	0	585	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	617	0	612	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	649	0	642	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	590	0	583	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	601	0	595	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	612	0	606	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	597	0	592	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	595	0	588	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	590	0	583	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	585	0	579	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	574	0	568	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	565	0	558	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	581	0	574	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

DEGREES, SPEED

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 8	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	67	0	58	0	123	0	112	0	0	0	0	0	171	0	296	110	169	0	258	91	177	0	217	143	177	0	220	137	0	0	0	0	0	0	0
200	98	0	76	0	163	0	140	0	0	0	0	0	204	0	255	134	202	0	258	102	201	0	250	166	199	0	248	166	0	0	0	0	0	0	0
300	92	0	74	0	148	0	133	0	0	0	0	0	212	0	253	154	211	0	250	158	209	0	241	164	207	0	242	177	0	0	0	0	0	0	0
400	72	0	56	0	112	0	104	0	0	0	0	0	210	0	251	173	209	0	259	135	212	0	238	188	213	0	241	183	0	0	0	0	0	0	0
500	108	0	97	0	163	0	170	0	0	0	0	0	234	0	267	206	234	0	272	192	232	0	256	212	229	0	247	207	0	0	0	0	0	0	0
600	129	0	125	0	195	0	207	0	0	0	0	0	242	0	258	222	240	0	267	215	246	0	250	236	242	0	248	227	0	0	0	0	0	0	0
700	120	0	119	0	210	0	221	0	0	0	0	0	248	0	265	224	247	0	273	217	256	0	262	239	253	0	260	226	0	0	0	0	0	0	0
800	88	0	87	0	125	0	133	0	0	0	0	0	251	0	276	221	249	0	283	206	265	0	282	247	261	0	284	246	0	0	0	0	0	0	0
900	61	0	59	0	69	0	75	0	0	0	0	0	257	0	291	228	253	0	282	224	274	0	306	242	271	0	293	249	0	0	0	0	0	0	0
1000	40	0	37	0	37	0	40	0	0	0	0	0	252	0	298	192	250	0	319	180	266	0	338	199	264	0	337	193	0	0	0	0	0	0	0
1100	69	0	66	0	76	0	77	0	0	0	0	0	349	0	67	271	349	0	61	270	359	0	40	281	353	0	42	273	0	0	0	0	0	0	0
1200	36	0	33	0	60	0	59	0	0	0	0	0	337	0	40	290	332	0	24	275	2	0	37	337	358	0	32	331	0	0	0	0	0	0	0
1300	96	0	93	0	114	0	120	0	0	0	0	0	290	0	316	263	286	0	318	258	295	0	315	278	289	0	315	261	0	0	0	0	0	0	0
1400	66	0	64	0	78	0	84	0	0	0	0	0	257	0	332	223	256	0	316	216	276	0	313	257	272	0	306	256	0	0	0	0	0	0	0
1500	57	0	54	0	66	0	71	0	0	0	0	0	273	0	301	232	269	0	305	228	280	0	302	250	275	0	300	244	0	0	0	0	0	0	0
1600	35	0	31	0	46	0	50	0	0	0	0	0	297	0	333	264	293	0	328	248	296	0	316	261	290	0	311	260	0	0	0	0	0	0	0
1700	32	0	25	0	47	0	41	0	0	0	0	0	239	0	351	192	199	3	260	103	198	0	223	178	197	0	225	173	0	0	0	0	0	0	0
1800	55	0	55	0	57	0	57	0	0	0	0	0	239	0	271	216	239	0	285	213	223	0	244	198	221	0	247	206	0	0	0	0	0	0	0
1900	73	0	60	0	109	0	108	0	0	0	0	0	228	0	297	203	223	0	273	183	222	0	243	202	221	0	242	201	0	0	0	0	0	0	0
2000	79	0	72	0	121	0	129	0	0	0	0	0	231	0	262	209	230	0	253	202	239	0	254	218	235	0	253	208	0	0	0	0	0	0	0
2100	137	0	136	0	190	0	201	0	0	0	0	0	242	0	272	219	241	0	285	195	246	0	261	226	243	0	255	225	0	0	0	0	0	0	0
2200	163	0	156	0	230	0	241	0	0	0	0	0	243	0	280	210	242	0	279	195	248	0	252	243	245	0	250	235	0	0	0	0	0	0	0
2300	123	0	119	0	211	0	221	0	0	0	0	0	240	0	262	211	237	0	271	202	248	0	257	228	245	0	256	230	0	0	0	0	0	0	0
2400	140	0	141	0	233	0	246	0	0	0	0	0	245	0	262	228	244	0	271	207	256	0	262	236	254	0	261	235	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	595	0	590	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	617	0	610	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	615	0	608	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	597	0	590	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	595	0	590	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	577	0	572	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	541	0	536	0	315	2	315	2	320	0	320	0	27	0	29	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	520	0	514	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	520	0	514	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	554	0	549	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	558	0	552	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	594	0	588	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	523	0	518	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	540	0	534	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	565	0	559	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	572	0	568	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	594	0	588	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	604	0	599	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	626	0	621	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	608	0	603	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	603	0	597	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	572	0	567	0	315	2	315	2	320	0	320	0	27	0	27	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	534	0	527	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	525	0	520	0	315	2	315	2	320	0	320	0	38	0	40	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	185	0	188	0	292	0	305	0	0	0	0	0	265	0	281	251	264	0	285	248	276	0	281	267	272	0	279	253	0	0	0	0	0
200	194	0	189	0	272	0	292	0	0	0	0	0	277	0	303	252	275	0	330	236	287	0	322	245	280	0	314	246	0	0	0	0	0
300	162	0	152	0	262	0	268	0	0	0	0	0	297	0	320	280	293	0	319	258	309	0	320	297	301	0	307	293	0	0	0	0	0
400	117	0	112	0	203	0	209	0	0	0	0	0	296	0	318	266	290	0	320	240	310	0	326	300	301	0	316	292	0	0	0	0	0
500	157	0	149	0	264	0	269	0	0	0	0	0	300	0	312	281	297	0	318	273	314	0	319	308	306	0	311	301	0	0	0	0	0
600	150	0	145	0	243	0	249	0	0	0	0	0	302	0	318	289	298	0	335	269	316	0	321	308	307	0	315	299	0	0	0	0	0
700	131	0	124	0	20.	0	207	0	0	0	0	0	297	0	317	274	293	0	319	261	312	0	319	303	305	0	314	298	0	0	0	0	0
800	103	0	96	0	161	0	166	0	0	0	0	0	299	0	320	284	296	0	326	251	313	0	323	301	306	0	319	295	0	0	0	0	0
900	101	0	96	0	150	0	154	0	0	0	0	0	295	0	313	273	292	0	330	251	312	0	322	300	304	0	313	295	0	0	0	0	0
1000	129	0	117	0	182	0	188	0	0	0	0	0	293	0	310	278	289	0	318	261	308	0	323	292	301	0	311	285	0	0	0	0	0
1100	110	0	101	0	161	0	163	0	0	0	0	0	299	0	322	281	295	0	328	247	314	0	324	299	306	0	315	278	0	0	0	0	0
1200	87	0	83	0	152	0	151	0	0	0	0	0	300	0	327	269	294	0	332	260	318	0	337	298	310	0	323	297	0	0	0	0	0
1300	81	0	77	0	103	0	103	0	0	0	0	0	339	0	21	286	333	0	27	284	347	0	17	319	342	0	5	319	0	0	0	0	0
1400	80	0	73	0	93	0	91	0	0	0	0	0	347	0	73	306	338	0	38	281	0	0	39	314	357	0	55	302	0	0	0	0	0
1500	58	0	55	0	70	0	68	0	0	0	0	0	356	0	69	297	350	0	102	285	359	0	51	318	354	0	62	278	0	0	0	0	0
1600	43	0	40	0	58	0	55	0	0	0	0	0	350	0	59	274	344	0	79	271	358	0	82	287	351	0	67	289	0	0	0	0	0
1700	35	0	32	0	51	0	51	0	0	0	0	0	7	0	72	276	2	0	79	271	8	0	62	291	5	0	78	281	0	0	0	0	0
1800	51	0	51	0	57	0	60	0	0	0	0	0	46	0	72	20	45	0	91	11	40	0	62	13	35	0	73	357	0	0	0	0	0
1900	47	0	50	0	53	0	60	0	0	0	0	0	68	0	106	40	68	0	104	37	67	0	90	45	66	0	93	45	0	0	0	0	0
2000	48	0	43	0	61	0	62	0	0	0	0	0	107	0	119	90	111	0	129	92	100	0	107	89	101	0	107	87	0	0	0	0	0
2100	63	0	60	0	83	0	86	0	0	0	0	0	121	0	130	115	127	0	136	116	117	0	122	114	119	0	124	114	0	0	0	0	0
2200	78	0	75	0	107	0	113	0	0	0	0	0	125	0	133	118	130	0	140	124	124	0	128	122	125	0	130	122	0	0	0	0	0
2300	73	0	78	0	149	0	153	0	0	0	0	0	139	0	181	122	142	0	161	123	143	0	147	138	145	0	148	139	0	0	0	0	0
2400	87	0	87	0	163	0	166	0	0	0	0	0	131	0	139	118	136	0	150	115	139	0	145	133	141	0	145	134	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	514	0	507	0	315	2	315	2	320	0	320	0	70	0	72	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	533	0	532	0	315	2	315	2	320	0	320	0	23	0	23	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	496	0	489	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	484	0	478	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	478	0	473	0	315	2	315	2	320	0	320	0	59	0	59	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	477	0	473	0	315	2	315	2	320	0	320	0	31	0	31	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	475	0	469	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	480	0	475	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	487	0	482	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	487	0	480	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	511	0	507	0	315	2	315	2	320	0	320	0	-38	0	-36	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	518	0	513	0	315	2	315	2	320	0	320	0	-32	0	-31	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	558	0	554	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	567	0	563	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	583	0	579	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	601	0	601	0	315	2	315	2	320	0	320	0	-43	0	-47	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	606	0	603	0	315	2	315	2	320	0	320	0	-39	0	-39	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	588	0	586	0	315	2	315	2	320	0	320	0	-14	0	-16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	574	0	568	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	477	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	558	0	549	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	549	0	541	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	543	0	538	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	529	0	523	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	522	0	514	0	315	2	315	2	320	0	320	0	29	0	29	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	98	0	92	0	176	0	185	0	0	0	0	0	141	0	163	122	149	0	203	115	154	0	169	149	156	0	172	144	0	0	0	0	0	0
200	97	0	95	0	185	0	193	0	0	0	0	0	147	0	172	125	149	0	180	123	159	0	172	148	160	0	174	148	0	0	0	0	0	0
300	102	0	96	0	189	0	195	0	0	0	0	0	149	0	168	123	149	0	170	115	155	0	168	140	157	0	169	145	0	0	0	0	0	0
400	108	0	110	0	196	0	203	0	0	0	0	0	142	0	167	117	143	0	206	98	153	0	165	137	155	0	168	142	0	0	0	0	0	0
500	105	0	103	0	175	0	181	0	0	0	0	0	139	0	162	122	141	0	180	119	153	0	170	125	155	0	170	128	0	0	0	0	0	0
600	103	0	102	0	148	0	154	0	0	0	0	0	79	0	107	58	81	0	134	49	76	0	95	52	75	0	98	56	0	0	0	0	0	0
700	131	0	123	0	166	0	170	0	0	0	0	0	117	0	127	108	122	0	140	103	118	0	132	108	120	0	134	111	0	0	0	0	0	0
800	108	0	109	0	144	0	149	0	0	0	0	0	126	0	152	111	131	0	151	114	130	0	145	111	132	0	155	128	0	0	0	0	0	0
900	96	0	95	0	154	0	159	0	0	0	0	0	141	0	174	110	143	0	192	105	150	0	172	135	152	0	172	129	0	0	0	0	0	0
1000	109	0	106	0	177	0	171	0	0	0	0	0	153	0	248	101	154	0	198	90	166	0	203	138	168	0	191	144	0	0	0	0	0	0
1100	73	0	58	0	127	0	112	0	0	0	0	0	191	0	260	101	194	0	258	113	197	0	237	163	196	0	223	154	0	0	0	0	0	0
1200	112	0	111	0	154	0	164	0	0	0	0	0	247	0	280	209	246	0	284	203	243	0	302	205	239	0	276	193	0	0	0	0	0	0
1300	158	0	158	0	239	0	254	0	0	0	0	0	255	0	280	232	254	0	292	226	261	0	290	248	258	0	290	235	0	0	0	0	0	0
1400	87	0	80	0	136	0	139	0	0	0	0	0	295	0	329	266	293	0	342	251	316	0	346	263	309	0	339	274	0	0	0	0	0	0
1500	124	0	117	0	170	0	167	0	0	0	0	0	24	0	58	314	16	0	72	316	11	0	46	286	6	0	41	286	0	0	0	0	0	0
1600	153	0	145	0	204	0	201	0	0	0	0	0	23	0	47	358	19	0	67	339	12	0	32	341	8	0	43	332	0	0	0	0	0	0
1700	123	0	111	0	170	0	169	0	0	0	0	0	19	0	122	328	13	0	105	319	6	0	39	318	0	0	31	317	0	0	0	0	0	0
1800	83	0	78	0	128	0	126	0	0	0	0	0	7	0	63	291	4	0	71	303	359	0	42	308	352	0	45	305	0	0	0	0	0	0
1900	140	0	130	0	186	0	182	0	0	0	0	0	26	0	50	7	22	0	57	341	15	0	45	341	13	0	49	346	0	0	0	0	0	0
2000	127	0	119	0	158	0	155	0	0	0	0	0	27	0	45	359	24	0	49	342	17	0	62	340	13	0	45	342	0	0	0	0	0	0
2100	127	0	123	0	153	0	151	0	0	0	0	0	35	0	60	14	31	0	69	349	30	0	60	4	26	0	42	1	0	0	0	0	0	0
2200	91	0	86	0	110	0	110	0	0	0	0	0	31	0	68	11	29	0	82	355	26	0	52	351	21	0	48	351	0	0	0	0	0	0
2300	74	0	74	0	90	0	97	0	0	0	0	0	48	0	88	20	46	0	92	11	42	0	86	15	40	0	79	13	0	0	0	0	0	0
2400	57	0	61	0	72	0	84	0	0	0	0	0	59	0	84	39	57	0	102	9	54	0	88	17	53	0	84	9	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PATH	S
100	520	0	513	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	525	0	520	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	522	0	516	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	525	0	520	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	532	0	527	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	486	0	478	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	482	0	477	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	466	0	460	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	468	0	460	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	484	0	478	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	505	0	500	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	534	0	529	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	549	0	543	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	552	0	547	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	498	0	495	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	471	0	466	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	457	0	450	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	428	0	421	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	421	0	414	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	433	0	428	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	433	0	428	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	415	0	408	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	462	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	428	0	421	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	424	0	417	0	315	2	315	2	320	0	320	0	-7	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	61	0	55	0	81	0	80	0	0	0	0	0	27	0	51	4	25	0	56	358	21	0	44	5	17	0	36	2	0	0	0	0	0	0		
200	46	0	41	0	58	0	58	0	0	0	0	0	21	0	41	8	21	0	49	0	12	0	27	1	8	0	23	359	0	0	0	0	0	0		
300	57	0	51	0	75	0	76	0	0	0	0	0	20	0	46	340	17	0	58	323	10	0	31	336	4	0	28	342	0	0	0	0	0	0		
400	54	0	47	0	71	0	70	0	0	0	0	0	22	0	43	7	19	0	48	353	15	0	32	2	11	0	22	358	0	0	0	0	0	0		
500	62	0	56	0	84	0	82	0	0	0	0	0	20	0	42	356	15	0	48	353	9	0	26	344	5	0	34	345	0	0	0	0	0	0		
600	69	0	62	0	80	0	79	0	0	0	0	0	347	0	16	323	341	0	4	315	350	0	3	339	346	0	357	330	0	0	0	0	0	0		
700	54	0	49	0	63	0	63	0	0	0	0	0	336	0	21	283	331	0	11	274	339	0	4	317	333	0	358	308	0	0	0	0	0	0		
800	46	0	41	0	51	0	54	0	0	0	0	0	305	0	350	259	300	0	353	244	319	0	343	276	312	0	334	279	0	0	0	0	0	0		
900	84	0	79	0	82	0	85	0	0	0	0	0	266	0	304	232	264	0	316	230	278	0	313	237	275	0	333	235	0	0	0	0	0	0		
1000	118	0	117	0	120	0	128	0	0	0	0	0	263	0	295	244	260	0	304	217	271	0	288	251	268	0	283	240	0	0	0	0	0	0		
1100	84	0	82	0	80	0	86	0	0	0	0	0	265	0	297	224	262	0	302	205	246	0	285	207	244	0	281	194	0	0	0	0	0	0		
1200	94	0	91	0	98	0	106	0	0	0	0	0	244	0	274	205	243	0	282	206	247	0	284	228	245	0	287	221	0	0	0	0	0	0		
1300	83	0	79	0	98	0	111	0	0	0	0	0	246	0	294	213	248	0	280	206	256	0	296	222	255	0	311	211	0	0	0	0	0	0		
1400	80	0	75	0	105	0	116	0	0	0	0	0	258	0	297	226	256	0	285	206	260	0	282	232	258	0	283	202	0	0	0	0	0	0		
1500	111	0	104	0	161	0	166	0	0	0	0	0	291	0	324	259	287	0	319	228	305	0	321	258	299	0	316	237	0	0	0	0	0	0		
1600	50	0	48	0	75	0	75	0	0	0	0	0	310	0	357	238	304	0	354	229	329	0	26	279	323	0	11	274	0	0	0	0	0	0		
1700	49	0	45	0	54	0	54	0	0	0	0	0	348	0	42	290	342	0	56	292	3	0	74	306	359	0	46	279	0	0	0	0	0	0		
1800	30	0	26	0	30	0	31	0	0	0	0	0	331	3	49	273	328	3	15	274	354	3	28	296	349	0	43	311	0	0	0	0	0	0		
1900	7	0	11	0	161	2	8	0	0	0	0	0	273	0	329	231	272	3	330	206	312	0	34	272	308	0	358	232	0	0	0	0	0	0		
2000	34	0	30	0	47	0	48	0	0	0	0	0	1	0	31	317	356	3	38	306	0	0	25	333	356	0	16	330	0	0	0	0	0	0		
2100	74	0	67	0	114	0	112	0	0	0	0	0	34	0	51	23	32	0	58	10	37	0	45	23	32	0	39	23	0	0	0	0	0	0		
2200	81	0	75	0	133	0	129	0	0	0	0	0	15	0	35	346	11	0	46	334	11	0	17	7	7	0	11	2	0	0	0	0	0	0		
2300	96	0	86	0	145	0	144	0	0	0	0	0	16	0	42	327	11	0	71	296	11	0	31	347	7	0	28	345	0	0	0	0	0	0		
2400	105	0	96	0	155	0	152	0	0	0	0	0	32	0	53	9	29	0	67	1	28	0	46	17	24	0	49	5	0	0	0	0	0	0		

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	415	0	406	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	4	0	2
200	410	0	403	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	406	0	399	0	315	2	315	2	320	0	320	0	-7	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
400	399	0	392	0	315	2	315	2	320	0	320	0	-4	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	405	0	397	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	401	0	396	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	417	0	412	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	428	0	421	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
900	432	0	426	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	437	0	432	0	315	2	315	2	320	0	320	0	-18	0	-14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	464	0	459	0	315	2	315	2	320	0	320	0	-9	0	-5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	477	0	471	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	518	0	513	0	315	2	315	2	320	0	320	0	-18	0	-14	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	541	0	536	0	315	2	315	2	320	0	320	0	-25	0	-22	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	534	0	529	0	315	2	315	2	320	0	320	0	-25	0	-23	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1600	565	0	559	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1		2
1700	581	0	576	0	315	2	315	2	320	0	320	0	-34	0	-32	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	583	0	577	0	315	2	315	2	320	0	320	0	-36	0	-34	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	567	0	561	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	489	0	475	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	505	0	498	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	502	0	496	0	315	2	315	2	320	0	320	0	25	0	25	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2300	466	0	460	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	459	0	451	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

DEGREES, SPEED

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	108	0	98	0	149	0	144	0	0	0	0	0	27	0	40	10	21	0	56	359	21	0	38	3	16	0	31	357	0	0	0	0	0	0
200	96	0	86	0	137	0	134	0	0	0	0	0	28	0	44	11	22	0	44	0	20	0	50	3	17	0	37	4	0	0	0	0	0	0
300	108	0	95	0	132	0	126	0	0	0	0	0	27	0	45	11	21	0	48	352	21	0	38	6	18	0	35	2	0	0	0	0	0	0
400	83	0	81	0	112	0	116	0	0	0	0	0	48	0	71	34	46	0	89	22	41	0	51	23	37	0	52	18	0	0	0	0	0	0
500	52	0	54	0	79	0	92	0	0	0	0	0	59	0	71	38	57	0	80	36	48	0	58	40	47	0	58	38	0	0	0	0	0	0
600	59	0	51	0	84	0	82	0	0	0	0	0	36	0	48	25	32	0	57	15	27	0	40	20	24	0	34	15	0	0	0	0	0	0
700	59	0	54	0	80	0	79	0	0	0	0	0	11	0	50	288	6	0	67	303	7	0	34	327	1	0	27	305	0	0	0	0	0	0
800	58	0	48	0	69	0	68	0	0	0	0	0	358	0	62	274	352	0	46	270	5	0	67	320	0	0	44	311	0	0	0	0	0	0
900	82	0	73	0	96	0	95	0	0	0	0	0	354	0	38	295	346	0	49	280	1	0	35	321	355	0	64	316	0	0	0	0	0	0
1000	93	0	83	0	98	0	98	0	0	0	0	0	351	0	40	297	341	0	35	272	356	0	44	313	352	0	52	322	0	0	0	0	0	0
1100	100	0	91	0	113	0	112	0	0	0	0	0	354	0	35	274	346	0	34	274	359	0	40	319	354	0	46	315	0	0	0	0	0	0
1200	86	0	76	0	121	0	118	0	0	0	0	0	353	0	48	300	346	0	60	271	354	0	32	305	349	0	37	284	0	0	0	0	0	0
1300	127	0	115	0	147	0	139	0	0	0	0	0	343	0	2[illegible]	303	334	0	45	273	352	0	32	298	347	0	24	302	0	0	0	0	0	0
1400	140	0	131	0	171	0	165	0	0	0	0	0	346	0	23	315	340	0	71	292	349	0	26	325	345	0	16	312	0	0	0	0	0	0
1500	127	0	118	0	156	0	155	0	0	0	0	0	338	0	27	287	331	0	16	282	343	0	5	318	338	0	3	310	0	0	0	0	0	0
1600	77	0	70	0	112	0	109	0	0	0	0	0	348	0	42	277	346	0	69	270	356	0	56	310	352	0	54	313	0	0	0	0	0	0
1700	89	0	79	0	124	0	121	0	0	0	0	0	9	0	61	309	5	0	81	309	3	0	44	316	354	0	37	300	0	0	0	0	0	0
1800	106	0	96	0	144	0	146	0	0	0	0	0	18	0	59	334	13	0	67	326	2	0	36	317	357	0	46	309	0	0	0	0	0	0
1900	72	0	67	0	123	0	127	0	0	0	0	0	11	0	87	299	5	0	104	293	358	0	47	305	351	0	27	310	0	0	0	0	0	0
2000	88	0	81	0	115	0	115	0	0	0	0	0	22	0	49	346	15	0	47	307	9	0	46	337	5	0	28	331	0	0	0	0	0	0
2100	73	0	66	0	98	0	97	0	0	0	0	0	0	0	33	328	354	0	35	326	1	0	24	333	356	0	23	331	0	0	0	0	0	0
2200	64	0	56	0	100	0	100	0	0	0	0	0	0	0	50	319	352	0	49	305	1	0	23	327	357	0	36	338	0	0	0	0	0	0
2300	81	0	72	0	104	0	101	0	0	0	0	0	14	0	42	358	14	0	57	330	13	0	29	357	8	0	28	346	0	0	0	0	0	0
2400	96	0	105	0	134	0	129	0	0	0	0	0	28	0	58	6	28	0	65	6	22	0	43	10	19	0	46	358	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	473	0	468	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	453	0	446	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	442	0	435	0	315	2	315	2	320	0	320	0	-4	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	428	0	421	0	315	2	315	2	320	0	320	0	0	0	4	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	412	0	403	0	315	2	315	2	320	0	320	0	11	0	14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	423	0	415	0	315	2	315	2	320	0	320	0	5	0	9	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	442	0	437	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	450	0	444	0	315	2	315	2	320	0	320	0	-29	0	-27	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	441	0	433	0	315	2	315	2	320	0	320	0	-25	0	-23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	439	0	433	0	315	2	315	2	320	0	320	0	-25	0	-23	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	455	0	450	0	315	2	315	2	320	0	320	0	-31	0	-29	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	469	0	464	0	315	2	315	2	320	0	320	0	-38	0	-36	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	462	0	457	0	315	2	315	2	320	0	320	0	-40	0	-38	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	457	0	450	0	315	2	315	2	320	0	320	0	-36	0	-34	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	451	0	446	0	315	2	315	2	320	0	320	0	-38	0	-36	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	469	0	466	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	468	0	464	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	469	0	459	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	468	0	462	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	448	0	441	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	433	0	426	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	424	0	417	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	421	0	414	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	419	0	412	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50	MAX 3	S	WIND DIR2	MIN 150A	MAX S		WIND DIR3	MIN 150B	MAX S		WIND DIR4	MIN	MAX S		WIND DIR5	MIN	MAX S		WIND DIR6	
100	66	0	77	0	106	0	103	0	0	0	0	0	34	0	61	13	35	0	51	6	32	0	47	18	28	0	42	15	0	0	0	0	0	0
200	49	0	60	0	84	0	81	0	0	0	0	0	30	0	55	10	30	0	52	12	35	0	51	22	31	0	54	15	0	0	0	0	0	0
300	47	0	61	0	85	0	91	0	0	0	0	0	43	0	59	28	46	0	55	35	46	0	51	39	43	0	51	31	0	0	0	0	0	0
400	49	0	59	0	76	0	74	0	0	0	0	0	22	0	54	344	24	0	46	1	36	0	50	15	32	0	46	18	0	0	0	0	0	0
500	50	0	60	0	73	0	76	0	0	0	0	0	35	0	51	14	35	0	51	18	45	0	49	37	41	0	49	31	0	0	0	0	0	0
600	50	0	60	0	85	0	83	0	0	0	0	0	15	0	75	337	13	0	33	344	10	0	27	354	7	0	27	356	0	0	0	0	0	0
700	67	0	76	0	80	0	77	0	0	0	0	0	26	0	51	3	27	0	48	9	28	0	48	8	24	0	49	0	0	0	0	0	0	0
800	33	0	47	0	35	0	38	0	0	0	0	0	41	0	92	0	43	0	84	7	45	0	77	18	42	0	82	14	0	0	0	0	0	0
900	31	0	39	0	32	0	32	0	0	0	0	0	346	0	163	286	341	0	66	285	13	0	119	270	10	0	109	277	0	0	0	0	0	0
1000	46	0	55	0	46	0	44	0	0	0	0	0	351	0	93	302	344	0	15	325	0	0	47	335	353	0	35	333	0	0	0	0	0	0
1100	65	0	76	0	91	0	90	0	0	0	0	0	324	0	359	228	324	0	350	263	336	0	1	322	329	0	345	314	0	0	0	0	0	0
1200	59	0	74	0	83	0	84	0	0	0	0	0	326	0	138	277	322	0	16	272	324	0	349	248	317	0	339	296	0	0	0	0	0	0
1300	73	0	81	0	87	0	87	0	0	0	0	0	331	0	57	277	329	0	355	296	336	0	12	302	330	0	1	308	0	0	0	0	0	0
1400	73	0	83	0	90	0	87	0	0	0	0	0	327	0	23	290	326	0	354	294	344	0	19	316	337	0	13	307	0	0	0	0	0	0
1500	60	0	71	0	81	0	80	0	0	0	0	0	340	0	102	273	337	0	46	288	0	0	61	323	353	0	71	313	0	0	0	0	0	0
1600	68	0	77	0	92	0	87	0	0	0	0	0	353	0	90	277	346	0	38	309	358	0	30	314	356	0	55	308	0	0	0	0	0	0
1700	48	0	61	0	54	0	56	0	0	0	0	0	32	0	103	334	34	0	94	332	23	0	67	344	20	0	76	332	0	0	0	0	0	0
1800	59	0	68	0	84	0	85	0	0	0	0	0	22	0	93	335	19	0	56	332	14	0	39	343	9	0	44	331	0	0	0	0	0	0
1900	38	0	50	0	58	0	56	0	0	0	0	0	32	0	88	3	32	0	70	358	27	0	55	5	23	0	43	5	0	0	0	0	0	0
2000	22	0	36	0	42	0	44	0	0	0	0	0	45	3	62	30	47	0	58	36	45	0	50	29	41	0	45	31	0	0	0	0	0	0
2100	40	0	50	0	51	0	54	0	0	0	0	0	85	0	97	70	90	0	103	72	75	0	80	69	74	0	79	67	0	0	0	0	0	0
2200	59	0	67	0	90	0	88	0	0	0	0	0	90	0	102	82	95	0	103	89	79	0	80	77	78	0	81	77	0	0	0	0	0	0
2300	52	0	63	0	53	0	52	0	0	0	0	0	109	0	113	103	116	0	118	107	96	0	100	91	97	0	100	92	0	0	0	0	0	0
2400	70	0	80	0	98	0	97	0	0	0	0	0	109	0	115	105	116	0	119	114	95	0	97	94	96	0	98	95	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	410	0	403	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	397	0	388	0	315	2	315	2	320	0	320	0	11	0	14	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	396	0	387	0	315	2	315	2	320	0	320	0	22	0	25	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	406	0	399	0	315	2	315	2	320	0	320	0	13	0	16	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	412	0	403	0	315	2	315	2	320	0	320	0	20	0	23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	410	0	403	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	433	0	428	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	480	0	477	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	502	0	496	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	523	0	518	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	505	0	500	0	315	2	315	2	320	0	320	0	-45	0	-43	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	504	0	498	0	315	2	315	2	320	0	320	0	-47	0	-45	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	493	0	487	0	315	2	315	2	320	0	320	0	-47	0	-45	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	498	0	493	0	315	2	315	2	320	0	320	0	-47	0	-47	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	532	0	527	0	315	2	315	2	320	0	320	0	-40	0	-40	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	509	0	504	0	315	2	315	2	320	0	320	0	-29	0	-27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	523	0	520	0	315	2	315	2	320	0	320	0	-14	0	-18	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	487	0	482	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	489	0	477	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	460	0	451	0	315	2	315	2	320	0	320	0	9	0	13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	466	0	455	0	315	2	315	2	320	0	320	0	7	0	13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	462	0	455	0	315	2	315	2	320	0	320	0	27	0	29	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	466	0	459	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	453	0	446	0	315	2	315	2	320	0	320	0	43	0	43	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	69	0	80	0	106	0	105	0	0	0	0	0	118	0	125	113	127	0	130	122	108	0	114	105	110	0	114	106	0	0	0	0	0	0
200	80	0	94	0	115	0	118	0	0	0	0	0	136	0	153	117	143	0	151	135	133	0	145	124	135	0	146	126	0	0	0	0	0	0
300	60	0	70	0	131	0	135	0	0	0	0	0	132	0	159	112	138	0	153	124	148	0	153	143	150	0	155	145	0	0	0	0	0	0
400	59	0	68	0	154	0	154	0	0	0	0	0	133	0	170	112	140	0	159	127	167	0	170	159	167	0	172	159	0	0	0	0	0	0
500	66	0	75	0	172	0	176	0	0	0	0	0	148	0	198	107	155	0	175	135	166	0	167	161	167	0	169	162	0	0	0	0	0	0
600	54	0	65	0	160	0	130	0	0	0	0	0	164	0	204	118	168	0	209	133	179	0	185	168	179	0	188	171	0	0	0	0	0	0
700	43	0	56	0	137	0	115	0	0	0	0	0	151	0	190	115	154	0	187	127	176	0	193	162	177	0	185	158	0	0	0	0	0	0
800	42	0	52	0	110	0	88	0	0	0	0	0	180	0	236	112	179	0	247	134	189	0	217	149	189	0	205	170	0	0	0	0	0	1
900	39	0	44	0	86	0	77	0	0	0	0	0	201	0	268	127	203	0	261	97	209	0	238	182	209	0	257	184	0	0	0	0	0	0
1000	80	0	83	0	109	0	106	0	0	0	0	0	217	0	268	115	223	0	265	134	227	0	274	197	227	0	279	187	0	0	0	0	0	0
1100	97	0	105	0	120	0	125	0	0	0	0	0	239	0	288	188	241	0	286	211	233	0	264	215	231	0	261	210	0	0	0	0	0	0
1200	72	0	83	0	108	0	111	0	0	0	0	0	244	0	283	199	246	0	288	221	250	0	272	213	246	0	269	199	0	0	0	0	0	0
1300	57	0	67	0	82	0	85	0	0	0	0	0	249	0	300	199	250	0	282	216	252	0	291	219	249	0	301	220	0	0	0	0	0	0
1400	64	0	75	0	76	0	81	0	0	0	0	0	247	0	286	210	249	0	290	216	244	0	289	206	240	0	291	205	0	0	0	0	0	0
1500	63	0	76	0	78	0	82	0	0	0	0	0	266	0	308	215	266	0	288	240	246	0	283	185	245	0	280	191	0	0	0	0	0	0
1600	46	0	55	0	67	0	73	0	0	0	0	0	285	0	328	253	283	0	314	249	278	0	305	240	274	0	312	248	0	0	0	0	0	0
1700	59	0	71	0	67	0	70	0	0	0	0	0	244	0	287	195	247	0	280	212	234	0	264	179	233	0	277	186	0	0	0	0	0	0
1800	44	0	50	0	64	0	58	0	0	0	0	0	216	0	251	91	224	0	265	144	213	0	240	164	211	0	235	184	0	0	0	0	0	0
1900	33	0	38	0	68	0	58	0	0	0	0	0	204	0	256	112	210	0	258	100	203	0	239	175	203	0	232	179	0	0	0	0	0	0
2000	55	0	52	0	119	0	101	0	0	0	0	0	202	0	245	132	205	0	234	168	204	0	223	191	205	0	221	186	0	0	0	0	0	0
2100	67	0	61	0	146	0	123	0	0	0	0	0	199	0	253	130	201	0	254	142	200	0	217	188	200	0	217	182	0	0	0	0	0	0
2200	88	0	83	0	165	0	141	0	0	0	0	0	207	0	258	131	211	0	248	166	205	0	239	178	203	0	228	178	0	0	0	0	0	0
2300	122	0	123	0	188	0	174	0	0	0	0	0	223	0	268	184	227	0	264	204	218	0	255	191	216	0	238	184	0	0	0	0	0	0
2400	144	0	126	0	210	0	215	0	0	0	0	0	234	0	356	202	230	0	305	182	225	0	266	201	224	0	252	190	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	455	0	446	0	315	2	315	2	320	0	320	0	36	0	38	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	451	0	444	0	315	2	315	2	320	0	320	0	49	0	50	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	437	0	432	0	315	2	315	2	320	0	320	0	85	0	85	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	453	0	446	0	315	2	315	2	320	0	320	0	81	0	83	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	464	0	457	0	315	2	315	2	320	0	320	0	65	0	67	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	487	0	482	0	315	2	315	2	320	0	320	0	54	0	56	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	489	0	484	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	529	0	525	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	554	0	549	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	619	0	612	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	639	0	631	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	642	0	635	0	315	2	315	2	320	0	320	0	-9	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	666	0	660	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	696	0	691	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	718	0	712	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	700	0	694	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	745	0	739	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	761	0	756	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	754	0	747	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	730	0	723	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	714	0	707	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	703	0	696	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	693	0	687	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	669	0	664	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	156	0	147	0	220	0	230	0	0	0	0	0	235	0	262	207	234	0	273	191	228	0	247	204	226	0	240	193	0	0	0	0
200	149	0	139	0	222	0	233	0	0	0	0	0	237	0	272	209	236	0	268	190	231	0	253	205	229	0	248	208	0	0	0	0
300	145	0	136	0	210	0	220	0	0	0	0	0	235	0	264	212	232	0	270	182	230	0	253	205	229	0	265	200	0	0	0	0
400	151	0	147	0	236	0	247	0	0	0	0	0	237	0	264	208	236	0	270	203	234	0	258	210	231	0	251	211	0	0	0	0
500	169	0	160	0	244	0	254	0	0	0	0	0	236	0	262	213	236	0	281	204	231	0	251	200	230	0	249	211	0	0	0	0
600	161	0	151	0	230	0	240	0	0	0	0	0	235	0	252	208	233	0	259	204	232	0	258	200	230	0	245	204	0	0	0	0
700	157	0	151	0	234	0	246	0	0	0	0	0	236	0	261	210	235	0	263	195	236	0	256	212	233	0	251	210	0	0	0	0
800	152	0	142	0	226	0	239	0	0	0	0	0	238	0	260	215	238	0	270	194	236	0	252	212	232	0	243	213	0	0	0	0
900	160	0	154	0	241	0	256	0	0	0	0	0	240	0	269	212	239	0	292	183	237	0	254	216	235	0	256	218	0	0	0	0
1000	183	0	176	0	260	0	279	0	0	0	0	0	242	0	263	219	241	0	273	202	243	0	262	224	240	0	253	225	0	0	0	0
1100	195	0	192	0	264	0	277	0	0	0	0	0	244	0	277	226	244	0	274	200	246	0	253	224	243	0	251	227	0	0	0	0
1200	138	0	134	0	218	0	228	0	0	0	0	0	248	0	274	223	246	0	281	195	253	0	258	245	249	0	255	241	0	0	0	0
1300	116	0	115	0	163	0	172	0	0	0	0	0	251	0	282	205	250	0	289	198	254	0	267	232	251	0	266	226	0	0	0	0
1400	96	0	89	0	152	0	160	0	0	0	0	0	246	0	281	223	242	0	281	190	250	0	271	225	245	0	261	215	0	0	0	0
1500	91	0	85	0	118	0	125	0	0	0	0	0	245	0	271	224	243	0	277	209	252	0	267	228	249	0	263	222	0	0	0	0
1600	74	0	71	0	110	0	118	0	0	0	0	0	258	0	285	225	256	0	296	217	262	0	273	240	259	0	279	238	0	0	0	0
1700	88	0	86	0	123	0	131	0	0	0	0	0	262	0	284	239	261	0	294	219	271	0	282	262	267	0	273	262	0	0	0	0
1800	110	0	112	0	159	0	155	0	0	0	0	0	46	0	75	16	45	0	79	2	30	0	47	5	27	0	53	358	0	0	0	0
1900	49	0	44	0	54	0	58	0	0	0	0	0	108	0	126	73	110	0	138	72	80	0	103	56	80	0	109	57	0	0	0	0
2000	55	0	52	0	48	0	50	0	0	0	0	0	147	0	166	126	151	0	183	127	108	0	128	73	110	0	132	76	0	0	0	0
2100	61	0	49	0	31	0	34	0	0	0	0	0	189	0	243	3	192	0	217	169	226	0	248	203	226	0	246	206	0	0	0	0
2200	48	0	46	0	60	0	65	0	0	0	0	0	255	0	280	235	254	0	274	236	282	0	303	260	276	0	298	252	0	0	0	0
2300	72	0	68	0	99	0	106	0	0	0	0	0	235	0	260	214	235	0	261	202	250	0	272	240	248	0	261	237	0	0	0	0
2400	75	0	58	0	105	0	112	0	0	0	0	0	221	0	243	202	220	0	248	193	231	0	253	213	230	0	253	216	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	655	0	649	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	649	0	639	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	640	0	635	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
400	631	0	629	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	628	0	622	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	628	0	622	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	626	0	621	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	630	0	624	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
900	642	0	637	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1000	660	0	655	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1100	678	0	673	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	693	0	687	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	725	0	720	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1400	775	0	770	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	806	0	799	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	813	0	808	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	793	0	788	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	606	0	599	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	646	0	639	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	642	0	637	0	315	2	315	2	320	0	320	0	23	0	23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	655	0	649	0	315	2	315	2	320	0	320	0	31	0	31	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	657	0	649	0	315	2	315	2	320	0	320	0	32	0	34	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	631	0	624	0	315	2	315	2	320	0	320	0	45	0	45	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	651	0	646	0	315	2	315	2	320	0	320	0	27	0	27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	67	0	54	0	115	0	122	0	0	0	0	0	227	0	331	190	220	0	262	169	232	0	250	212	231	0	247	210	0	0	0	0	0
200	26	0	22	0	54	0	58	0	0	0	0	0	318	3	25	271	320	3	25	273	299	0	18	274	295	0	19	272	0	0	0	0	0
300	66	0	50	0	114	0	108	0	0	0	0	0	227	0	358	193	199	0	239	126	216	0	254	199	217	0	250	196	0	0	0	0	0
400	108	0	103	0	152	0	162	0	0	0	0	0	239	0	272	208	238	0	273	193	239	0	254	215	238	0	253	214	0	0	0	0	0
500	43	0	33	0	95	0	87	0	0	0	0	0	315	0	159	192	186	0	236	123	207	0	235	184	210	0	232	190	0	0	0	0	0
600	86	0	79	0	138	0	146	0	0	0	0	0	233	0	266	202	232	0	270	191	234	0	249	214	232	0	248	212	0	0	0	0	0
700	119	0	115	0	183	0	194	0	0	0	0	0	239	0	269	212	236	0	271	197	246	0	253	235	243	0	258	227	0	0	0	0	0
800	110	0	106	0	170	0	180	0	0	0	0	0	246	0	269	217	246	0	271	206	253	0	260	244	252	0	263	234	0	0	0	0	0
900	93	0	89	0	142	0	151	0	0	0	0	0	248	0	281	232	247	0	272	224	257	0	269	246	256	0	264	244	0	0	0	0	0
1000	58	0	55	0	75	0	81	0	0	0	0	0	266	0	301	232	263	0	314	227	289	0	313	258	286	0	309	255	0	0	0	0	0
1100	85	0	83	0	98	0	104	0	0	0	0	0	276	0	314	236	273	0	324	236	291	0	317	258	287	0	312	232	0	0	0	0	0
1200	58	0	54	0	88	0	92	0	0	0	0	0	296	0	320	264	291	0	330	229	308	0	328	275	302	0	320	271	0	0	0	0	0
1300	28	0	28	0	29	0	32	0	0	0	0	0	311	0	355	248	306	3	342	224	335	3	24	288	331	0	20	278	0	0	0	0	0
1400	49	0	47	0	85	0	87	0	0	0	0	0	311	0	341	263	305	0	341	193	330	0	352	312	324	0	342	295	0	0	0	0	0
1500	53	0	49	0	82	0	80	0	0	0	0	0	29	0	83	325	26	0	117	339	16	0	42	343	12	0	32	336	0	0	0	0	0
1600	28	0	24	0	23	0	28	0	0	0	0	0	91	3	132	81	92	0	136	60	61	3	108	24	62	3	107	33	0	0	0	0	0
1700	16	0	13	0	11	0	14	0	0	0	0	0	84	3	160	7	84	3	150	3	63	3	131	4	66	3	140	8	0	0	0	0	0
1800	26	0	22	0	35	0	38	0	0	0	0	0	84	3	132	53	85	3	138	49	40	0	69	12	37	0	71	8	0	0	0	0	0
1900	21	0	19	0	24	0	29	0	0	0	0	0	27	3	86	304	26	3	80	303	38	3	65	350	36	3	81	346	0	0	0	0	0
2000	35	0	33	0	42	0	44	0	0	0	0	0	319	0	343	285	315	0	338	273	325	0	339	317	320	0	334	312	0	0	0	0	0
2100	27	0	23	0	55	0	55	0	0	0	0	0	10	3	48	335	4	3	38	316	351	0	0	340	346	0	356	334	0	0	0	0	0
2200	30	0	28	0	35	0	40	0	0	0	0	0	78	3	96	60	80	3	106	59	45	0	58	31	42	0	59	27	0	0	0	0	0
2300	50	0	51	0	71	0	73	0	0	0	0	0	139	0	160	66	143	0	161	125	133	0	142	128	136	0	145	132	0	0	0	0	0
2400	44	0	39	0	99	0	87	0	0	0	0	0	165	0	269	92	172	0	239	92	180	0	209	135	180	0	203	162	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	615	0	610	0	315	2	315	2	320	0	320	0	20	0	20	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	608	0	601	0	315	2	315	2	320	0	320	0	27	0	27	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	619	0	612	0	315	2	315	2	320	0	320	0	31	0	31	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	651	0	644	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	630	0	622	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	662	0	657	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	648	0	640	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	649	0	639	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
900	604	0	599	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	626	0	622	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	619	0	613	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1200	651	0	646	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	671	0	667	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	633	0	628	0	315	2	315	2	320	0	320	0	-25	0	-23	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1500	568	0	563	0	315	2	315	2	320	0	320	0	-4	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	612	0	608	0	315	2	315	2	320	0	320	0	-2	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1700	630	0	629	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1800	621	0	613	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1900	621	0	613	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	594	0	586	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	597	0	590	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	592	0	585	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	597	0	590	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	595	0	588	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	39	0	36	0	81	0	70	0	0	0	0	0	170	0	260	92	178	0	260	126	182	0	217	160	182	0	203	163	0	0	0	0	0	0
200	51	0	52	0	107	0	112	0	0	0	0	0	130	0	167	5	157	0	206	102	161	0	169	155	164	0	170	156	0	0	0	0	0	0
300	55	0	50	0	85	0	88	0	0	0	0	0	129	0	196	111	129	0	157	103	135	0	157	121	138	0	154	116	0	0	0	0	0	0
400	67	0	62	0	89	0	100	0	0	0	0	0	122	0	144	101	125	0	158	92	127	0	139	101	130	0	144	106	0	0	0	0	0	0
500	20	0	15	0	12	0	15	0	0	0	0	0	0	3	41	323	359	3	44	315	74	3	155	0	81	3	154	1	0	0	0	0	0	0
600	37	0	37	0	81	0	82	0	0	0	0	0	133	0	153	122	136	0	166	112	141	0	155	123	144	0	153	136	0	0	0	0	0	0
700	59	0	59	0	104	0	107	0	0	0	0	0	134	0	159	57	139	0	179	105	148	0	155	135	147	0	157	137	0	0	0	0	0	0
800	82	0	82	0	147	0	150	0	0	0	0	0	137	0	247	102	140	0	171	105	144	0	162	123	148	0	160	130	0	0	0	0	0	0
900	63	0	61	0	79	0	85	0	0	0	0	0	112	0	141	83	114	0	146	57	116	0	142	73	119	0	140	94	0	0	0	0	0	0
1000	84	0	82	0	101	0	109	0	0	0	0	0	120	0	136	101	123	0	146	90	122	0	135	96	125	0	140	98	0	0	0	0	0	0
1100	77	0	75	0	84	0	90	0	0	0	0	0	114	0	141	90	122	0	148	82	119	0	141	96	121	0	135	97	0	0	0	0	0	0
1200	71	0	69	0	79	0	82	0	0	0	0	0	123	0	153	92	126	0	157	55	125	0	154	98	128	0	155	106	0	0	0	0	0	0
1300	66	0	64	0	80	0	83	0	0	0	0	0	119	0	161	62	126	0	179	90	130	0	163	99	133	0	169	99	0	0	0	0	0	0
1400	30	0	28	0	43	0	46	0	0	0	0	0	9	3	156	273	229	3	341	90	77	0	172	286	80	0	177	295	0	0	0	0	0	0
1500	39	0	36	0	60	0	61	0	0	0	0	0	318	0	10	270	317	0	24	270	335	0	4	313	328	0	358	302	0	0	0	0	0	0
1600	48	0	45	0	52	0	52	0	0	0	0	0	339	0	34	293	332	0	24	295	353	0	24	332	348	0	8	320	0	0	0	0	0	0
1700	30	0	29	0	33	0	35	0	0	0	0	0	334	3	40	270	327	3	27	271	347	0	19	302	341	0	11	289	0	0	0	0	0	0
1800	32	0	29	0	20	0	22	0	0	0	0	0	295	0	358	224	291	3	339	250	313	3	77	270	287	3	358	214	0	0	0	0	0	0
1900	28	0	25	0	20	0	23	0	0	0	0	0	331	3	37	281	328	3	60	270	333	5	4	281	330	0	27	293	0	0	0	0	0	0
2000	40	0	37	0	75	0	77	0	0	0	0	0	125	0	143	110	130	0	149	106	146	0	158	135	148	0	158	139	0	0	0	0	0	0
2100	44	0	43	0	97	0	102	0	0	0	0	0	140	0	168	31	146	0	191	113	153	0	160	145	154	0	163	148	0	0	0	0	0	0
2200	62	0	66	0	135	0	142	0	0	0	0	0	140	0	161	295	143	0	191	113	155	0	165	142	156	0	168	142	0	0	0	0	0	0
2300	73	0	72	0	150	0	156	0	0	0	0	0	138	0	160	47	144	0	190	101	152	0	161	137	154	0	165	143	0	0	0	0	0	0
2400	52	0	54	0	121	0	128	0	0	0	0	0	138	0	164	84	142	0	168	115	155	0	167	145	156	0	171	145	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	572	0	565	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	558	0	550	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	556	0	549	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	559	0	554	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	559	0	552	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	559	0	552	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	549	0	543	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	545	0	538	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	552	0	545	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	561	0	556	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	572	0	567	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	588	0	583	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	613	0	610	0	315	2	315	2	320	0	320	0	-13	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	635	0	633	0	315	2	315	2	320	0	320	0	-23	0	-25	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	612	0	608	0	315	2	315	2	320	0	320	0	-40	0	-40	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	631	0	628	0	315	2	315	2	320	0	320	0	-49	0	-50	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	631	0	628	0	315	2	315	2	320	0	320	0	-45	0	-43	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	628	0	629	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	592	0	586	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	572	0	563	0	315	2	315	2	320	0	320	0	32	0	34	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	581	0	572	0	315	2	315	2	320	0	320	0	13	0	16	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	570	0	563	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	558	0	550	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	547	0	540	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	50 B	S	WIND DIR2	MIN	MAX	150A	S	WIND DIR3	MIN	MAX	150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	43	0	39	0	100	0	104	0	0	0	0	0	139	0	157	334		139	0	179	112		156	0	162	196		157	0	165	195		0	0	0	0	0	1
200	38	0	35	0	78	0	82	0	0	0	0	0	118	0	190	94		120	0	143	90		148	0	156	132		150	0	158	136		0	0	0	0	0	1
300	62	0	57	0	96	0	99	0	0	0	0	0	112	0	120	102		115	0	127	101		139	0	139	128		137	0	142	131		0	0	0	0	0	1
400	52	0	48	0	102	0	106	0	0	0	0	0	120	0	132	107		123	0	138	112		142	0	148	136		145	0	150	139		0	0	0	0	0	1
500	82	0	77	0	109	0	114	0	0	0	0	0	126	0	156	110		130	0	158	105		133	0	159	108		135	0	150	113		0	0	0	0	0	1
600	95	0	97	0	142	0	146	0	0	0	0	0	130	0	153	93		136	0	183	111		140	0	156	125		141	0	158	122		0	0	0	0	0	1
700	112	0	112	0	133	0	140	0	0	0	0	0	121	0	149	70		124	0	151	92		126	0	145	104		128	0	148	105		0	0	0	0	0	1
800	101	0	98	0	122	0	128	0	0	0	0	0	122	0	195	103		127	0	179	82		130	0	157	111		131	0	162	104		0	0	0	0	0	1
900	97	0	95	0	127	0	133	0	0	0	0	0	127	0	152	105		128	0	162	88		136	0	156	115		139	0	176	117		0	0	0	0	0	1
1000	100	0	102	0	143	0	151	0	0	0	0	0	130	0	160	55		144	0	218	104		144	0	168	124		146	0	168	128		0	0	0	0	0	1
1100	93	0	93	0	135	0	139	0	0	0	0	0	135	0	157	31		146	0	202	102		149	0	171	130		152	0	168	121		0	0	0	0	0	1
1200	74	0	74	0	89	0	95	0	0	0	0	0	129	0	156	278		130	0	178	91		139	0	194	106		141	0	173	105		0	0	0	0	0	1
1300	69	0	62	0	106	0	97	0	0	0	0	0	102	0	162	4		167	0	246	90		172	0	204	143		172	0	203	150		0	0	0	0	0	1
1400	71	0	67	0	100	0	99	0	0	0	0	0	132	0	165	282		155	0	259	101		160	0	199	129		163	0	188	134		0	0	0	0	0	1
1500	65	0	63	0	106	0	110	0	0	0	0	0	127	0	168	23		152	0	251	107		155	0	189	118		159	0	189	124		0	0	0	0	0	1
1600	65	0	63	0	99	0	98	0	0	0	0	0	99	0	161	278		158	0	225	93		161	0	201	113		162	0	199	101		0	0	0	0	0	1
1700	87	0	85	0	143	0	142	0	0	0	0	0	122	0	163	24		163	0	247	111		164	0	190	145		167	0	189	142		0	0	0	0	0	1
1800	78	0	72	0	110	0	110	0	0	0	0	0	125	0	166	3		157	0	225	114		159	0	197	132		162	0	201	126		0	0	0	0	0	1
1900	62	0	57	0	97	0	99	0	0	0	0	0	130	0	161	11		145	0	254	93		157	0	186	127		159	0	195	125		0	0	0	0	0	1
2000	44	0	41	0	73	0	75	0	0	0	0	0	134	0	164	316		137	0	198	102		147	0	166	122		151	0	170	132		0	0	0	0	0	1
2100	68	0	50	0	113	0	97	0	0	0	0	0	229	0	340	198		208	0	251	167		202	0	224	181		202	0	229	173		0	0	0	0	0	1
2200	72	0	54	0	124	0	105	0	0	0	0	0	237	0	331	195		203	0	281	137		199	0	231	161		199	0	234	162		0	0	0	0	0	1
2300	85	0	69	0	133	0	122	0	0	0	0	0	231	0	345	201		217	0	262	169		214	0	243	182		212	0	234	176		0	0	0	0	0	1
2400	75	0	59	0	115	0	100	0	0	0	0	0	233	0	87	202		219	0	261	157		208	0	233	179		208	0	229	177		0	0	0	0	0	1

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	538	0	531	0	315	2	315	2	320	0	320	0	13	0	16	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	529	0	522	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	520	0	513	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	516	0	511	0	315	2	315	2	320	0	320	0	27	0	27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	520	0	513	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	532	0	527	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	541	0	536	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	558	0	552	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	592	0	588	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	619	0	613	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	660	0	657	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	675	0	671	0	315	2	315	2	320	0	320	0	-20	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	727	0	723	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	725	0	721	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	732	0	729	0	315	2	315	2	320	0	320	0	-20	0	-22	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	734	0	730	0	315	2	315	2	320	0	320	0	-22	0	-23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	727	0	721	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	729	0	723	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	716	0	711	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	691	0	684	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	684	0	678	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	680	0	675	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	687	0	680	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	687	0	682	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	83	0	66	0	131	0	119	0	0	0	0	0	233	0	344	196	215	0	267	103	209	0	284	167	209	0	237	178	0	0	0	0	0	0
200	101	0	79	0	153	0	135	0	0	0	0	0	228	0	333	202	219	0	313	181	210	0	236	180	210	0	245	169	0	0	0	0	0	0
300	102	0	84	0	148	0	140	0	0	0	0	0	228	0	305	200	220	0	269	137	216	0	262	184	216	0	243	181	0	0	0	0	0	0
400	101	0	81	0	147	0	134	0	0	0	0	0	228	0	310	205	222	0	282	181	214	0	241	182	213	0	243	175	0	0	0	0	0	0
500	121	0	98	0	163	0	153	0	0	0	0	0	229	0	316	201	222	0	268	159	214	0	243	181	214	0	240	186	0	0	0	0	0	0
600	109	0	98	0	159	0	162	0	0	0	0	0	235	0	263	207	230	0	267	171	227	0	251	204	226	0	251	198	0	0	0	0	0	0
700	93	0	77	0	139	0	126	0	0	0	0	0	224	0	267	95	220	0	257	147	211	0	248	176	211	0	237	181	0	0	0	0	0	0
800	92	0	74	0	132	0	121	0	0	0	0	0	235	0	346	200	223	0	268	116	211	0	243	171	211	0	236	179	0	0	0	0	0	0
900	109	0	89	0	156	0	152	0	0	0	0	0	232	0	339	204	228	0	285	181	222	0	260	192	222	0	263	189	0	0	0	0	0	0
1000	105	0	91	0	153	0	153	0	0	0	0	0	231	0	261	97	232	0	273	194	226	0	251	194	224	0	252	196	0	0	0	0	0	0
1100	78	0	66	0	130	0	127	0	0	0	0	0	233	0	325	205	229	0	306	183	220	0	254	185	220	0	262	199	0	0	0	0	0	0
1200	131	0	122	0	195	0	203	0	0	0	0	0	239	0	268	214	236	0	273	196	239	0	260	215	236	0	262	213	0	0	0	0	0	0
1300	117	0	109	0	176	0	185	0	0	0	0	0	260	0	295	217	257	0	301	224	263	0	303	237	261	0	301	238	0	0	0	0	0	0
1400	44	0	39	0	63	0	64	0	0	0	0	0	8	0	142	285	6	0	157	282	355	0	149	273	347	0	171	299	0	0	0	0	0	0
1500	83	0	80	0	130	0	132	0	0	0	0	0	339	0	36	284	331	0	37	281	345	0	30	310	340	0	26	303	0	0	0	0	0	0
1600	88	0	78	0	168	0	152	0	0	0	0	0	358	0	59	272	350	0	93	273	1	0	35	343	355	0	39	331	0	0	0	0	0	0
1700	57	0	50	0	96	0	96	0	0	0	0	0	29	0	69	333	28	0	83	348	16	0	45	348	11	0	37	344	0	0	0	0	0	0
1800	44	0	38	0	45	0	47	0	0	0	0	0	295	0	315	267	291	0	326	262	318	0	335	290	312	0	334	289	0	0	0	0	0	0
1900	7	0	80	2	21	0	22	0	0	0	0	0	334	3	143	196	172	0	236	90	40	3	54	12	38	3	60	14	0	0	0	0	0	0
2000	37	0	31	0	40	0	40	0	0	0	0	0	306	0	341	279	304	0	338	270	344	0	10	328	339	0	8	324	0	0	0	0	0	0
2100	34	0	29	0	22	0	26	0	0	0	0	0	256	0	294	234	253	0	273	228	283	0	307	256	278	0	297	246	0	0	0	0	0	0
2200	52	0	46	0	60	0	64	0	0	0	0	0	244	0	260	218	242	0	270	212	265	0	277	253	261	0	273	249	0	0	0	0	0	0
2300	52	0	43	0	77	0	82	0	0	0	0	0	232	0	257	198	229	0	261	182	244	0	253	212	241	0	250	227	0	0	0	0	0	0
2400	89	0	83	0	123	0	132	0	0	0	0	0	243	0	267	206	242	0	280	181	244	0	257	223	241	0	253	219	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	693	0	687	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	689	0	684	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	694	0	689	0	315	2	315	2	320	0	320	0	-1	0	-4	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	694	0	689	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	693	0	687	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	669	0	662	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	671	0	666	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	689	0	680	0	315	2	315	2	320	0	320	0	-5	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	698	0	693	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	694	0	689	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	693	0	687	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	693	0	687	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	678	0	673	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	590	0	585	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	545	0	540	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	531	0	525	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	550	0	543	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	558	0	552	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	543	0	536	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	477	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	541	0	534	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	534	0	529	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	532	0	525	0	315	2	315	2	320	0	320	0	18	0	18	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	538	0	531	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	549	0	543	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX S	WIND DIR2	MIN 150A	MAX S	WIND DIR3	MIN 150B	MAX S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	97	0	91	0	144	0	153	0	0	0	0	0	240	0	264	214	239	0	270	203	249	0	256	226	241	0	259	223	0	0	0	0	0	0
200	103	0	96	0	146	0	153	0	0	0	0	0	246	0	279	224	245	0	281	212	250	0	266	232	248	0	262	227	0	0	0	0	0	0
300	118	0	107	0	166	0	172	0	0	0	0	0	270	0	317	239	266	0	306	205	281	0	313	234	276	0	300	233	0	0	0	0	0	0
400	160	0	152	0	254	0	255	0	0	0	0	0	316	0	355	282	311	0	340	249	328	0	341	315	321	0	339	302	0	0	0	0	0	0
500	56	0	46	0	107	0	104	0	0	0	0	0	9	0	62	316	1	0	78	302	356	0	22	323	352	0	22	321	0	0	0	0	0	0
600	49	0	41	0	74	0	74	0	0	0	0	0	318	0	11	283	312	0	20	273	332	0	355	291	326	0	353	297	0	0	0	0	0	0
700	65	0	57	0	89	0	96	0	0	0	0	0	243	0	275	211	242	0	272	201	245	0	274	219	242	0	262	222	0	0	0	0	0	0
800	93	0	90	0	140	0	150	0	0	0	0	0	252	0	288	222	250	0	280	210	258	0	281	233	256	0	276	224	0	0	0	0	0	0
900	85	0	77	0	105	0	115	0	0	0	0	0	244	0	275	213	243	0	296	203	255	0	272	226	251	0	280	222	0	0	0	0	0	0
1000	91	0	87	0	120	0	129	0	0	0	0	0	259	0	293	220	257	0	302	204	260	0	278	224	257	0	275	230	0	0	0	0	0	0
1100	74	0	69	0	85	0	92	0	0	0	0	0	283	0	322	221	279	0	326	212	287	0	332	242	281	0	314	210	0	0	0	0	0	0
1200	81	0	74	0	90	0	95	0	0	0	0	0	292	0	321	263	289	0	340	235	298	0	320	280	292	0	310	261	0	0	0	0	0	0
1300	75	0	68	0	76	0	83	0	0	0	0	0	291	0	323	259	286	0	318	249	306	0	334	281	300	0	328	271	0	0	0	0	0	0
1400	43	0	37	0	49	0	52	0	0	0	0	0	290	0	345	204	285	0	359	217	331	0	22	286	323	0	11	270	0	0	0	0	0	0
1500	60	0	56	0	87	0	86	0	0	0	0	0	331	0	25	272	330	0	25	280	337	0	5	285	333	0	8	290	0	0	0	0	0	0
1600	63	0	58	0	84	0	82	0	0	0	0	0	333	0	24	281	329	0	24	280	342	0	14	320	336	0	6	311	0	0	0	0	0	0
1700	51	0	44	0	58	0	60	0	0	0	0	0	336	0	24	280	328	0	25	271	343	0	13	298	339	0	19	300	0	0	0	0	0	0
1800	28	0	23	0	31	0	33	0	0	0	0	0	329	3	111	273	324	3	93	272	345	0	105	280	340	0	129	278	0	0	0	0	0	0
1900	18	0	15	0	17	0	19	0	0	0	0	0	14	3	62	318	10	3	68	317	3	3	29	305	359	3	23	296	0	0	0	0	0	0
2000	17	0	17	0	14	0	21	0	0	0	0	0	64	3	72	53	63	3	71	47	65	3	73	53	64	3	73	56	0	0	0	0	0	0
2100	19	0	14	0	11	0	14	0	0	0	0	0	107	5	128	95	109	5	136	92	111	5	135	98	114	5	136	98	0	0	0	0	0	0
2200	41	0	36	0	31	0	34	0	0	0	0	0	122	0	130	115	127	0	136	115	142	0	152	130	146	0	156	135	0	0	0	0	0	0
2300	57	0	49	0	66	0	66	0	0	0	0	0	139	0	171	7	169	0	221	124	164	0	174	157	166	0	176	159	0	0	0	0	0	0
2400	52	0	45	0	87	0	63	0	0	0	0	0	93	0	166	0	176	0	221	136	180	0	187	177	181	0	187	177	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	556	0	550	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	552	0	545	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	532	0	527	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	514	0	511	0	315	2	315	2	320	0	320	0	7	0	5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	522	0	514	0	315	2	315	2	320	0	320	0	11	0	14	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	516	0	509	0	315	2	315	2	320	0	320	0	34	0	36	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	523	0	518	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	536	0	531	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	531	0	525	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	540	0	532	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	549	0	543	0	315	2	315	2	320	0	320	0	-25	0	-23	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	541	0	534	0	315	2	315	2	320	0	320	0	-34	0	-32	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	561	0	558	0	315	2	315	2	320	0	320	0	-45	0	-43	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	576	0	574	0	315	2	315	2	320	0	320	0	-38	0	-36	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	594	0	588	0	315	2	315	2	320	0	320	0	-40	0	-40	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	608	0	603	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	628	0	621	0	315	2	315	2	320	0	320	0	-36	0	-34	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	646	0	640	0	315	2	315	2	320	0	320	0	-32	0	-31	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	624	0	619	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	568	0	561	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	563	0	552	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	579	0	570	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	550	0	543	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	554	0	547	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	61	0	99	0	93	0	80	0	0	0	0	0	232	0	343	191	196	0	241	148	201	0	208	196	201	0	207	196	0	0	0	0	0	0
200	63	0	99	0	103	0	90	0	0	0	0	0	238	0	335	195	192	0	225	147	207	0	216	200	207	0	218	199	0	0	0	0	0	1
300	79	0	55	0	123	0	133	0	0	0	0	0	222	0	315	197	200	0	236	158	224	0	228	219	224	0	228	219	0	0	0	0	0	1
400	70	0	49	0	141	0	126	0	0	0	0	0	245	0	145	194	196	0	248	153	213	0	218	209	215	0	221	210	0	0	0	0	0	1
500	77	0	58	0	116	0	113	0	0	0	0	0	237	0	348	195	188	0	260	135	215	0	225	200	216	0	226	202	0	0	0	0	0	0
600	65	0	52	0	162	0	140	0	0	0	0	0	258	0	359	202	190	0	258	125	199	0	209	187	199	0	211	184	0	0	0	0	0	1
700	69	0	53	0	142	0	125	0	0	0	0	0	253	0	354	198	192	0	262	100	202	0	217	171	202	0	216	151	0	0	0	0	0	1
800	67	0	50	0	118	0	102	0	0	0	0	0	203	0	269	91	194	0	259	90	195	0	219	166	194	0	245	149	0	0	0	0	0	1
900	85	0	73	0	103	0	103	0	0	0	0	0	234	0	286	194	236	0	357	183	229	0	267	190	224	0	254	179	0	0	0	0	0	0
1000	111	0	102	0	149	0	156	0	0	0	0	0	240	0	274	208	240	0	285	203	232	0	282	196	230	0	259	203	0	0	0	0	0	1
1100	85	0	74	0	133	0	125	0	0	0	0	0	244	0	348	203	217	0	269	147	208	0	254	150	207	0	265	151	0	0	0	0	0	1
1200	103	0	99	0	132	0	132	0	0	0	0	0	251	0	342	199	242	0	321	181	224	0	265	171	222	0	269	179	0	0	0	0	0	1
1300	101	0	93	0	135	0	139	0	0	0	0	0	244	0	290	206	242	0	317	182	226	0	265	149	222	0	255	165	0	0	0	0	0	0
1400	107	0	95	0	139	0	133	0	0	0	0	0	243	0	295	204	239	0	295	180	220	0	257	175	218	0	252	174	0	0	0	0	0	1
1500	89	0	74	0	152	0	132	0	0	0	0	0	245	0	353	201	206	0	269	95	202	0	261	156	202	0	267	154	0	0	0	0	0	1
1600	113	0	94	0	198	0	169	0	0	0	0	0	240	0	341	189	200	0	258	96	198	0	[illegible]	147	199	0	234	175	0	0	0	0	0	0
1700	113	0	92	0	159	0	137	0	0	0	0	0	236	0	345	193	215	0	264	138	202	0	230	163	202	0	241	136	0	0	0	0	0	0
1800	93	0	75	0	166	0	143	0	0	0	0	0	244	0	357	199	208	0	265	93	200	0	227	166	200	0	225	153	0	0	0	0	0	0
1900	90	0	77	0	165	0	140	0	0	0	0	0	255	0	346	198	197	0	269	127	195	0	226	170	195	0	227	164	0	0	0	0	0	0
2000	100	0	79	0	166	0	139	0	0	0	0	0	261	0	110	201	202	0	265	93	199	0	222	169	200	0	224	165	0	0	0	0	0	1
2100	82	0	66	0	140	0	120	0	0	0	0	0	203	0	260	113	208	0	254	132	196	0	222	159	195	0	217	165	0	0	0	0	0	1
2200	84	0	67	0	153	0	133	0	0	0	0	0	189	0	283	110	192	0	243	139	190	0	220	158	190	0	225	151	0	0	0	0	0	0
2300	94	0	75	0	138	0	128	0	0	0	0	0	216	0	265	160	221	0	260	172	211	0	240	185	211	0	237	185	0	0	0	0	0	0
2400	109	0	85	0	207	0	174	0	0	0	0	0	193	0	243	113	196	0	257	125	191	0	230	157	192	0	225	164	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	552	0	545	0	315	2	315	2	320	0	320	0	41	0	43	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	529	0	523	0	315	2	315	2	320	0	320	0	67	0	67	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	532	0	525	0	315	2	315	2	320	0	320	0	76	0	76	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
400	520	0	513	0	315	2	315	2	320	0	320	0	74	0	74	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
500	518	0	513	0	315	2	315	2	320	0	320	0	72	0	74	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	513	0	507	0	315	2	315	2	320	0	320	0	56	0	56	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
700	550	0	543	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
800	606	0	601	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
900	626	0	621	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1000	639	0	633	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1100	669	0	658	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1200	692	0	676	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1300	711	0	705	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1400	720	0	716	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1500	747	0	741	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1600	743	0	738	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1700	743	0	736	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1800	723	0	718	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1900	712	0	707	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	693	0	687	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	689	0	678	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	680	0	675	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2300	678	0	673	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	671	0	666	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	93	0	70	0	136	0	125	0	0	0	0	0	208	0	261	129	214	0	257	165	205	0	239	164	205	0	232	166	0	0	0	0	0	2
200	91	0	71	0	173	0	148	0	0	0	0	0	200	0	268	115	205	0	255	162	196	0	232	165	196	0	240	165	0	0	0	0	0	1
300	82	0	62	0	150	0	123	0	0	0	0	0	199	0	258	118	202	0	268	105	196	0	239	159	196	0	218	150	0	0	0	0	0	1
400	85	0	69	0	138	0	117	0	0	0	0	0	201	0	257	128	207	0	259	158	201	0	223	173	200	0	223	175	0	0	0	0	0	0
500	59	0	46	0	114	0	95	0	0	0	0	0	190	0	261	101	191	0	249	95	190	0	220	158	190	0	223	161	0	0	0	0	0	0
600	56	0	46	0	106	0	98	0	0	0	0	0	151	0	239	97	157	0	214	97	172	0	212	150	174	0	213	150	0	0	0	0	0	0
700	76	0	68	0	155	0	131	0	0	0	0	0	177	0	256	100	183	0	245	105	184	0	223	161	185	0	215	158	0	0	0	0	0	0
800	102	0	87	0	172	0	184	0	0	0	0	0	233	0	300	210	229	0	284	186	234	0	254	197	232	0	250	204	0	0	0	0	0	0
900	121	0	105	0	193	0	197	0	0	0	0	0	231	0	344	209	228	0	273	191	227	0	250	194	226	0	244	194	0	0	0	0	0	0
1000	144	0	125	0	270	0	241	0	0	0	0	0	34	0	179	274	170	0	237	102	180	0	204	148	182	0	215	159	0	0	0	0	0	0
1100	138	0	129	0	259	0	233	0	0	0	0	0	85	0	155	3	170	0	258	102	178	0	208	150	180	0	212	157	0	0	0	0	0	0
1200	154	0	125	0	268	0	227	0	0	0	0	0	252	0	357	202	202	0	265	117	195	0	232	167	195	0	222	163	0	0	0	0	0	0
1300	77	0	73	0	113	0	124	0	0	0	0	0	254	0	293	209	254	0	317	205	254	0	291	219	252	0	292	211	0	0	0	0	0	0
1400	74	0	66	0	133	0	142	0	0	0	0	0	240	0	285	208	238	0	294	190	242	0	257	217	240	0	257	216	0	0	0	0	0	0
1500	56	0	43	0	103	0	91	0	0	0	0	0	234	0	355	196	204	0	250	125	207	0	225	179	207	0	223	174	0	0	0	0	0	1
1600	37	0	33	0	48	0	51	0	0	0	0	0	295	0	349	215	298	0	353	205	297	0	353	223	293	0	350	220	0	0	0	0	0	0
1700	32	0	29	0	52	0	58	0	0	0	0	0	287	0	358	231	282	3	339	192	275	0	308	236	271	0	305	233	0	0	0	0	0	0
1800	27	0	25	0	38	0	42	0	0	0	0	0	341	3	171	289	342	3	138	284	294	0	340	206	289	0	332	207	0	0	0	0	0	0
1900	51	0	50	0	79	0	77	0	0	0	0	0	5	0	58	289	356	0	79	283	7	0	34	335	3	0	42	329	0	0	0	0	0	0
2000	71	0	65	0	112	0	110	0	0	0	0	0	24	0	48	335	19	0	93	318	22	0	47	342	20	0	42	346	0	0	0	0	0	0
2100	64	0	60	0	104	0	101	0	0	0	0	0	5	0	59	281	3	0	95	283	9	0	38	306	7	0	37	297	0	0	0	0	0	0
2200	61	0	56	0	100	0	99	0	0	0	0	0	8	0	110	313	357	0	54	284	0	0	41	351	356	0	28	332	0	0	0	0	0	0
2300	38	0	36	0	56	0	59	0	0	0	0	0	301	0	335	253	299	0	338	246	332	0	357	278	326	0	346	264	0	0	0	0	0	0
2400	69	0	67	0	67	0	74	0	0	0	0	0	260	0	282	239	258	0	284	233	273	0	300	262	269	0	289	257	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	669	0	664	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	658	0	653	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	651	0	646	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
400	651	0	646	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	640	0	633	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	631	0	624	0	315	2	315	2	320	0	320	0	-4	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	635	0	628	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	599	0	592	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	574	0	568	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	586	0	581	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	612	0	606	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	613	0	608	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	567	0	561	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	556	0	550	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	610	0	603	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	610	0	603	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	572	0	567	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	581	0	576	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	466	2	0	0	0	0	0	1	0	0	0	0	0	0	0	2
1900	554	0	547	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	538	0	531	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	540	0	532	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	550	0	545	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	536	0	529	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2400	518	0	513	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6
100	66	0	62	0	83	0	90	0	0	0	0	0	250	0	308	217	250	0	297	213	253	1	278	234	251	0	273	225	0	0	0
200	63	0	60	0	82	0	88	0	0	0	0	0	245	0	271	224	245	0	264	213	249	0	261	236	247	0	260	231	0	0	0
300	60	0	56	0	85	0	93	0	0	0	0	0	246	0	286	222	246	0	303	218	247	0	268	226	246	0	264	224	0	0	0
400	80	0	76	0	119	0	125	0	0	0	0	0	270	0	321	227	269	0	349	221	283	0	317	240	278	0	321	238	0	0	0
500	152	0	148	0	210	0	212	0	0	0	0	0	321	0	15	276	316	0	26	274	330	0	359	305	323	0	352	296	0	0	0
600	86	0	83	0	117	0	118	0	0	0	0	0	24	0	78	347	19	0	74	326	8	0	31	331	6	0	37	339	0	0	0
700	59	0	51	0	95	0	93	0	0	0	0	0	7	0	147	290	359	0	72	282	357	0	44	300	355	0	61	279	0	0	0
800	89	0	85	0	123	0	123	0	0	0	0	0	339	0	23	277	327	0	359	299	339	0	357	292	339	0	357	292	0	0	0
900	46	0	41	0	58	0	61	0	0	0	0	0	320	0	17	270	316	0	25	270	329	0	11	273	321	0	357	264	0	0	0
1000	60	0	57	0	77	0	78	0	0	0	0	0	313	0	356	201	312	0	358	246	333	0	12	287	325	0	359	263	0	0	0
1100	74	0	70	0	95	0	93	0	0	0	0	0	350	0	81	297	342	0	50	273	352	0	33	290	347	0	55	277	0	0	0
1200	64	0	61	0	81	0	83	0	0	0	0	0	333	0	32	277	327	0	26	273	341	0	16	304	337	0	24	299	0	0	0
1300	49	0	45	0	49	0	52	0	0	0	0	0	310	0	357	222	308	0	349	195	328	0	34	287	324	0	33	292	0	0	0
1400	61	0	59	0	73	0	76	0	0	0	0	0	346	0	43	285	337	0	36	273	354	0	43	297	349	0	42	312	0	0	0
1500	51	0	50	0	56	0	57	0	0	0	0	0	341	0	86	285	335	0	127	281	356	0	35	275	351	0	28	280	0	0	0
1600	46	0	42	0	66	0	69	0	0	0	0	0	8	0	89	313	4	0	116	295	7	0	92	317	0	0	57	282	0	0	0
1700	47	0	45	0	61	0	62	0	0	0	0	0	26	0	84	329	23	0	79	273	12	0	51	329	7	0	51	320	0	0	0
1800	75	0	68	0	88	0	86	0	0	0	0	0	30	0	52	5	28	0	74	353	27	0	51	354	24	0	47	0	0	0	0
1900	63	0	59	0	77	0	84	0	0	0	0	0	45	0	73	22	43	0	84	353	47	0	75	19	44	0	75	22	0	0	0
2000	53	0	49	0	65	0	66	0	0	0	0	0	95	0	112	83	98	0	117	79	92	0	105	78	92	0	107	78	0	0	0
2100	56	0	54	0	73	0	84	0	0	0	0	0	74	0	79	67	75	0	92	68	73	0	75	68	73	0	76	69	0	0	0
2200	62	0	57	0	101	0	100	0	0	0	0	0	83	0	104	61	85	0	113	61	80	0	83	75	80	0	83	75	0	0	0
2300	69	0	64	0	93	0	92	0	0	0	0	0	99	0	106	88	102	0	126	92	86	0	92	80	86	0	93	80	0	0	0
2400	61	0	57	0	77	0	78	0	0	0	0	0	112	0	116	107	117	0	126	113	90	0	92	88	90	0	93	89	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	491	0	486	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	507	0	502	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	519	0	509	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	519	0	509	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	489	0	477	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	492	0	437	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	459	0	451	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	439	0	430	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	451	0	448	0	315	2	315	2	320	0	320	0	-25	0	-27	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	451	0	448	0	315	2	315	2	320	0	320	0	-34	0	-32	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	469	0	466	0	315	2	315	2	320	0	320	0	-36	0	-34	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	498	0	495	0	315	2	315	2	320	0	320	0	-47	0	-47	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	529	0	525	0	315	2	315	2	320	0	320	0	-40	0	-38	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	523	0	520	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	552	0	549	0	315	2	315	2	320	0	320	0	-49	0	-47	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	536	0	532	0	315	2	315	2	320	0	320	0	-41	0	-43	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	529	0	529	0	315	2	315	2	320	0	320	0	-36	0	-40	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	504	0	498	0	315	2	315	2	320	0	320	0	-18	0	-20	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	505	0	500	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	487	0	480	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	466	0	457	0	315	2	315	2	320	0	320	0	25	0	29	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	473	0	466	0	315	2	315	2	320	0	320	0	20	0	23	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	477	0	468	0	315	2	315	2	320	0	320	0	20	0	23	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	475	0	466	0	315	2	315	2	320	0	320	0	23	0	27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	69	0	59	0	72	0	82	0	0	0	0	0	96	0	101	91	99	0	105	91	79	0	75	72	73	0	75	71	0	0	0	0	0	0
200	67	0	62	0	75	0	76	0	0	0	0	0	116	0	121	110	121	0	132	113	91	0	95	88	92	0	95	89	0	0	0	0	0	0
300	68	0	61	0	89	0	96	0	0	0	0	0	83	0	88	79	84	0	94	79	74	0	78	72	74	0	76	72	0	0	0	0	0	0
400	91	0	91	0	111	0	116	0	0	0	0	0	118	0	153	39	123	0	177	36	125	0	165	99	127	0	157	95	0	0	0	0	0	0
500	71	0	67	0	97	0	98	0	0	0	0	0	112	0	121	105	118	0	129	106	94	0	97	89	95	0	96	89	0	0	0	0	0	0
600	79	0	74	0	141	0	137	0	0	0	0	0	84	0	104	72	86	0	117	70	79	0	83	76	78	0	82	74	0	0	0	0	0	0
700	60	0	53	0	88	0	89	0	0	0	0	0	106	0	129	75	110	0	139	73	97	0	117	78	98	0	114	80	0	0	0	0	0	0
800	67	0	64	0	85	0	87	0	0	0	0	0	93	0	136	60	95	0	147	57	96	0	128	64	97	0	140	63	0	0	0	0	0	0
900	82	0	78	0	94	0	98	0	0	0	0	0	95	0	131	66	94	0	139	55	96	0	141	57	95	0	146	54	0	0	0	0	0	0
1000	89	0	84	0	99	0	101	0	0	0	0	0	107	0	153	55	109	0	157	58	102	0	149	61	102	0	152	63	0	0	0	0	0	0
1100	65	0	64	0	91	0	93	0	0	0	0	0	110	0	157	69	112	0	171	56	120	0	176	71	121	0	162	62	0	0	0	0	0	0
1200	85	0	85	0	109	0	112	0	0	0	0	0	121	0	153	73	128	0	173	58	123	0	159	83	125	0	160	86	0	0	0	0	0	0
1300	77	0	77	0	101	0	107	0	0	0	0	0	121	0	158	47	135	0	251	90	140	0	179	112	142	0	179	116	0	0	0	0	0	0
1400	74	0	74	0	89	0	92	0	0	0	0	0	126	0	248	92	131	0	239	93	122	0	141	103	126	0	154	109	0	0	0	0	0	0
1500	52	0	49	0	62	0	67	0	0	0	0	0	105	0	168	2	115	0	179	22	121	0	175	27	119	0	177	11	0	0	0	0	0	0
1600	79	0	76	0	100	0	99	0	0	0	0	0	28	0	62	343	29	0	148	273	22	0	45	1	19	0	40	351	0	0	0	0	0	0
1700	129	0	126	0	167	0	164	0	0	0	0	0	33	0	63	12	29	0	71	1	32	0	68	10	28	0	59	11	0	0	0	0	0	0
1800	132	0	137	0	173	0	179	0	0	0	0	0	43	0	67	22	39	0	69	0	38	0	64	15	35	0	62	355	0	0	0	0	0	0
1900	87	0	87	0	118	0	126	0	0	0	0	0	47	0	76	29	44	0	93	4	47	0	80	25	44	0	73	22	0	0	0	0	0	0
2000	54	0	57	0	70	0	84	0	0	0	0	0	63	0	87	40	62	0	102	26	55	0	76	39	54	0	68	38	0	0	0	0	0	0
2100	77	0	72	0	102	0	114	0	0	0	0	0	86	0	106	70	88	0	127	58	72	0	86	54	72	0	85	55	0	0	0	0	0	0
2200	91	0	87	0	135	0	135	0	0	0	0	0	88	0	101	67	88	0	126	60	79	0	90	69	79	0	102	71	0	0	0	0	0	0
2300	109	0	103	0	148	0	148	0	0	0	0	0	87	0	113	74	89	0	125	60	82	0	101	61	82	0	102	64	0	0	0	0	0	0
2400	98	0	93	0	151	0	151	0	0	0	0	0	95	0	114	75	98	0	125	59	92	0	110	75	94	0	116	79	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 160A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	475	0	468	0	315	2	315	2	320	0	320	0	32	0	36	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	469	0	464	0	315	2	315	2	320	0	320	0	36	0	40	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	471	0	462	0	315	2	315	2	320	0	320	0	43	0	47	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	608	0	604	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	451	0	444	0	315	2	315	2	320	0	320	0	49	0	50	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	450	0	442	0	315	2	315	2	320	0	320	0	50	0	52	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	484	0	478	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	531	0	527	0	315	2	315	2	320	0	320	0	-25	0	-27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	559	0	554	0	315	2	315	2	320	0	320	0	-23	0	-25	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	583	0	579	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	610	0	606	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	617	0	612	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	639	0	635	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	698	0	696	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	671	0	669	0	315	2	315	2	320	0	320	0	-29	0	-31	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	608	0	604	0	315	2	315	2	320	0	320	0	-22	0	-23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	554	0	549	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	531	0	525	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	536	0	531	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	536	0	529	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	543	0	538	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	559	0	552	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	559	0	552	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	559	0	552	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	76	0	69	0	114	0	120	0	0	0	0	0	99	0	126	79	105	0	139	71	103	0	121	78	106	0	127	79	0	0	0	0	0	0
200	134	0	123	0	184	0	181	0	0	0	0	0	102	0	122	80	104	0	139	57	101	0	126	73	102	0	120	71	0	0	0	0	0	0
300	110	0	106	0	146	0	147	0	0	0	0	0	92	0	125	59	94	0	136	50	90	0	138	68	92	0	132	63	0	0	0	0	0	0
400	111	0	107	0	151	0	154	0	0	0	0	0	89	0	113	66	92	0	127	56	83	0	115	52	84	0	109	54	0	0	0	0	0	0
500	109	0	113	0	146	0	165	0	0	0	0	0	77	0	99	48	78	0	116	49	72	0	90	48	72	0	99	51	0	0	0	0	0	0
600	154	0	158	0	188	0	212	0	0	0	0	0	76	0	94	53	76	0	105	36	70	0	95	51	69	0	89	49	0	0	0	0	0	0
700	136	0	137	0	172	0	192	0	0	0	0	0	79	0	112	55	82	0	114	34	74	0	98	52	72	0	103	46	0	0	0	0	0	0
800	97	0	103	0	126	0	150	0	0	0	0	0	62	0	86	38	62	0	105	27	57	0	90	31	57	0	88	37	0	0	0	0	0	0
900	157	0	158	0	201	0	239	0	0	0	0	0	73	0	93	49	73	0	116	45	68	0	98	47	67	0	98	45	0	0	0	0	0	0
1000	178	0	183	0	223	0	248	0	0	0	0	0	81	0	105	50	84	0	126	42	76	0	109	50	76	0	105	51	0	0	0	0	0	0
1100	140	0	151	0	169	0	201	0	0	0	0	0	59	0	86	33	59	0	102	4	60	0	86	35	60	0	95	31	0	0	0	0	0	0
1200	146	0	167	0	181	0	225	0	0	0	0	0	64	0	87	43	64	0	95	15	63	0	90	44	63	0	96	36	0	0	0	0	0	0
1300	206	0	208	0	256	0	284	0	0	0	0	0	78	0	101	47	81	0	123	47	73	0	95	50	73	0	101	48	0	0	0	0	0	0
1400	110	0	123	0	140	0	171	0	0	0	0	0	64	0	86	40	64	0	116	15	66	0	98	42	65	0	92	46	0	0	0	0	0	0
1500	127	0	139	0	159	0	184	0	0	0	0	0	58	0	87	30	59	0	106	23	54	0	82	19	55	0	95	22	0	0	0	0	0	0
1600	143	0	145	0	193	0	196	0	0	0	0	0	41	0	73	17	39	0	84	351	34	0	68	6	30	0	79	8	0	0	0	0	0	0
1700	191	0	185	0	251	0	244	0	0	0	0	0	32	0	61	14	29	0	72	355	21	0	42	0	18	0	47	353	0	0	0	0	0	0
1800	178	0	175	0	225	0	229	0	0	0	0	00	40	0	70	20	38	0	69	3	36	0	61	7	35	0	61	359	0	0	0	0	0	0
1900	161	0	165	0	201	0	207	0	0	0	0	0	43	0	72	17	40	0	82	4	39	0	75	10	36	0	73	6	0	0	0	0	0	0
2000	169	0	159	0	207	0	206	0	0	0	0	0	33	0	63	14	31	0	79	5	29	0	55	357	26	0	51	2	0	0	0	0	0	0
2100	166	0	163	0	214	0	213	0	0	0	0	0	36	0	62	15	33	0	58	353	33	0	69	10	31	0	88	2	0	0	0	0	0	0
2200	140	0	147	0	176	0	201	0	0	0	0	0	58	0	83	31	55	0	103	23	50	0	75	24	50	0	75	17	0	0	0	0	0	0
2300	109	0	105	0	131	0	139	0	0	0	0	0	45	0	94	22	46	0	90	14	43	0	74	21	41	0	81	16	0	0	0	0	0	0
2400	107	0	111	0	138	0	146	0	0	0	0	0	44	0	79	17	43	0	95	11	41	0	92	7	40	0	95	2	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	556	0	549	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	543	0	538	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	536	0	531	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	536	0	529	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	534	0	527	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	513	0	505	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	509	0	502	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	477	0	471	0	315	2	315	2	320	0	320	0	-4	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	466	0	459	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	462	0	457	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	453	0	446	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	444	0	439	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	441	0	433	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	432	0	426	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	433	0	428	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	428	0	421	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	423	0	415	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	415	0	410	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	419	0	414	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	423	0	415	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	423	0	415	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	412	0	405	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	414	0	406	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	414	0	406	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX	S	WIND DIR2	MIN 150A	MAX	S	WIND DIR3	MIN 150B	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	98	0	101	0	125	0	136	0	0	0	0	0	98	0	80	24	96	0	91	19	99	0	65	19	92	0	67	22	0	0	0	0	0	0
200	115	0	111	0	150	0	147	0	0	0	0	0	28	0	53	9	25	0	49	348	25	0	49	7	22	0	98	357	0	0	0	0	0	0
300	106	0	102	0	199	0	191	0	0	0	0	0	26	0	59	3	21	0	72	331	12	0	95	341	9	0	39	322	0	0	0	0	0	0
400	108	0	102	0	193	0	193	0	0	0	0	0	27	0	70	332	20	0	72	333	16	0	91	348	13	0	95	339	0	0	0	0	0	0
500	96	0	90	0	132	0	130	0	0	0	0	0	27	0	62	322	23	0	71	326	18	0	49	359	19	0	36	346	0	0	0	0	0	0
600	59	0	56	0	100	0	100	0	0	0	0	0	11	0	67	325	8	0	115	307	357	0	19	333	352	0	53	319	0	0	0	0	0	0
700	69	0	65	0	105	0	103	0	0	0	0	0	358	0	69	310	351	0	102	303	359	0	27	327	355	0	27	297	0	0	0	0	0	0
800	70	0	66	0	109	0	109	0	0	0	0	0	359	0	57	283	353	0	93	295	352	0	97	302	348	0	62	309	0	0	0	0	0	0
900	63	0	59	0	100	0	98	0	0	0	0	0	13	0	76	303	9	0	109	285	1	0	95	292	352	0	31	281	0	0	0	0	0	0
1000	55	0	59	0	80	0	81	0	0	0	0	0	26	0	102	309	21	0	109	314	15	0	76	323	11	0	87	297	0	0	0	0	0	0
1100	75	0	70	0	106	0	105	0	0	0	0	0	393	0	69	279	333	0	29	270	393	0	20	310	338	0	19	300	0	0	0	0	0	0
1200	68	0	61	0	96	0	99	0	0	0	0	0	308	0	359	291	297	0	359	194	315	0	6	279	309	0	350	277	0	0	0	0	0	0
1300	98	0	92	0	197	0	196	0	0	0	0	0	359	0	89	298	395	0	67	285	399	0	33	326	392	0	51	315	0	0	0	0	0	0
1400	69	0	60	0	80	0	83	0	0	0	0	0	306	0	397	227	299	0	327	202	321	0	7	282	319	0	11	273	0	0	0	0	0	0
1500	69	0	65	0	102	0	105	0	0	0	0	0	331	0	121	275	332	0	190	279	327	0	25	276	323	0	25	279	0	0	0	0	0	0
1600	79	0	71	0	113	0	109	0	0	0	0	0	359	0	76	308	349	0	49	282	353	0	31	318	346	0	26	299	0	0	0	0	0	0
1700	65	0	61	0	91	0	92	0	0	0	0	0	336	0	33	300	333	0	30	284	341	0	14	318	335	0	22	312	0	0	0	0	0	0
1800	79	0	81	0	113	0	114	0	0	0	0	0	321	0	22	275	318	0	30	270	331	0	7	310	329	0	9	294	0	0	0	0	0	0
1900	109	0	100	0	195	0	195	0	0	0	0	0	313	0	1	279	307	0	345	258	318	0	346	291	312	0	338	289	0	0	0	0	0	0
2000	79	0	76	0	121	0	121	0	0	0	0	0	33	0	75	331	27	0	117	303	20	0	50	338	17	0	50	338	0	0	0	0	0	0
2100	71	0	70	0	113	0	113	0	0	0	0	0	35	0	67	7	31	0	99	339	21	0	53	348	17	0	43	349	0	0	0	0	0	0
2200	68	0	61	0	102	0	102	0	0	0	0	0	20	0	62	333	19	0	81	319	17	0	33	0	19	0	49	350	0	0	0	0	0	0
2300	58	0	55	0	85	0	86	0	0	0	0	0	342	0	35	274	333	0	12	277	347	0	18	287	342	0	22	279	0	0	0	0	0	0
2400	36	0	39	0	55	0	58	0	0	0	0	0	355	0	106	280	348	0	57	280	335	0	43	279	327	0	19	273	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	908	0	901	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	912	0	905	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	919	0	912	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	921	0	919	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	928	0	923	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	919	0	912	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	926	0	919	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	910	0	905	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	928	0	923	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	939	0	935	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	948	0	942	0	315	2	315	2	320	0	320	0	-41	0	-40	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	951	0	946	0	315	2	315	2	320	0	320	0	-43	0	-41	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	941	0	935	0	315	2	315	2	320	0	320	0	-36	0	-34	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	953	0	948	0	315	2	315	2	320	0	320	0	-43	0	-41	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	949	0	937	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	949	0	937	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	949	0	939	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	942	0	935	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	933	0	928	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	937	0	928	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	942	0	935	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	957	0	948	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	948	0	941	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	935	0	928	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	36	0	33	0	42	0	44	0	0	0	0	0	306	0	337	276	303	0	344	265	331	0	357	300	325	0	348	300	0	0	0	0	0	0
200	61	0	57	0	80	0	89	0	0	0	0	0	267	0	313	220	265	0	318	220	277	0	321	240	274	0	312	240	0	0	0	0	0	0
300	53	0	48	0	62	0	66	0	0	0	0	0	269	0	311	224	267	0	302	217	278	0	326	230	272	0	311	237	0	0	0	0	0	0
400	70	0	65	0	100	0	105	0	0	0	0	0	264	0	288	241	261	0	293	225	269	0	299	251	265	0	299	241	0	0	0	0	0	0
500	80	0	76	0	112	0	119	0	0	0	0	0	263	0	289	236	260	0	280	236	262	0	272	241	259	0	268	246	0	0	0	0	0	0
600	102	0	102	0	132	0	141	0	0	0	0	0	267	0	289	239	264	0	292	233	266	0	275	250	264	0	273	254	0	0	0	0	0	0
700	83	0	81	0	126	0	133	0	0	0	0	0	261	0	288	226	260	0	295	233	259	0	275	238	258	0	274	229	0	0	0	0	0	0
800	93	0	99	0	125	0	133	0	0	0	0	0	264	0	284	226	262	0	320	215	255	0	288	225	254	0	280	223	0	0	0	0	0	0
900	87	0	85	0	127	0	133	0	0	0	0	0	258	0	302	207	257	0	306	194	257	0	289	214	257	0	291	219	0	0	0	0	0	0
1000	76	0	71	0	108	0	112	0	0	0	0	0	252	0	303	213	249	0	295	204	260	0	287	221	256	0	289	194	0	0	0	0	0	0
1100	76	0	71	0	84	0	89	0	0	0	0	0	268	0	303	234	265	0	315	226	281	0	326	234	278	0	319	226	0	0	0	0	0	0
1200	66	0	66	0	102	0	106	0	0	0	0	0	328	0	21	273	326	0	11	270	334	0	8	286	328	0	396	274	0	0	0	0	0	0
1300	82	0	81	0	104	0	108	0	0	0	0	0	335	0	26	293	328	0	23	274	348	0	39	314	343	0	22	317	0	0	0	0	0	0
1400	56	0	55	0	77	0	78	0	0	0	0	0	332	0	36	272	327	0	79	274	346	0	15	309	340	0	38	289	0	0	0	0	0	0
1500	71	0	69	0	94	0	92	0	0	0	0	0	343	0	35	293	336	0	34	287	357	0	26	302	353	0	25	311	0	0	0	0	0	0
1600	63	0	60	0	96	0	98	0	0	0	0	0	344	0	29	283	337	0	36	283	355	0	37	325	350	0	22	310	0	0	0	0	0	0
1700	35	0	31	0	47	0	51	0	0	0	0	0	299	0	357	228	294	0	349	213	329	0	20	274	327	0	10	278	0	0	0	0	0	0
1800	32	0	30	0	70	0	69	0	0	0	0	0	346	0	77	279	339	3	69	270	359	0	21	329	353	0	15	323	0	0	0	0	0	0
1900	17	0	16	0	41	0	42	0	0	0	0	0	317	0	24	272	313	3	352	251	1	0	7	353	356	0	3	349	0	0	0	0	0	0
2000	52	0	50	0	56	0	60	0	0	0	0	0	243	0	307	203	241	0	315	183	265	0	299	206	263	0	295	215	0	0	0	0	0	0
2100	50	0	48	0	8	0	11	0	0	0	0	0	129	0	146	117	133	0	147	123	339	5	350	325	335	5	351	320	0	0	0	0	0	0
2200	66	0	56	0	21	0	20	0	0	0	0	0	185	0	235	93	183	0	222	150	193	0	217	181	194	5	219	169	0	0	0	0	0	0
2300	68	0	49	0	57	0	55	0	0	0	0	0	207	0	266	192	202	0	226	172	217	0	221	211	220	0	224	213	0	0	0	0	0	0
2400	64	0	44	0	71	0	75	0	0	0	0	0	215	0	251	199	211	0	236	182	233	0	237	228	231	0	233	227	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 100A	S	AMB. TEM4 100B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 100A	S	D.T. 2 100B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	442	0	435	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	457	0	448	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	459	0	451	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	468	0	462	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	464	0	457	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	460	0	455	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	462	0	457	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	478	0	473	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	489	0	484	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	507	0	502	0	315	2	315	2	320	0	320	0	-20	0	-16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	513	0	507	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	486	0	478	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	507	0	502	0	315	2	315	2	320	0	320	0	-43	0	-41	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	540	0	536	0	315	2	315	2	320	0	320	0	-47	0	-47	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	531	0	527	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	538	0	534	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	545	0	540	0	315	2	315	2	320	0	320	0	-31	0	-29	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	568	0	563	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	574	0	568	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	482	0	475	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	487	0	480	0	315	2	315	2	320	0	320	0	59	0	61	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	502	0	495	0	315	2	315	2	320	0	320	0	34	0	36	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	516	0	509	0	315	2	315	2	320	0	320	0	47	0	47	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	529	0	523	0	315	2	315	2	320	0	320	0	29	0	29	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S		
100	69	0	49	0	103	0	109	0	0	0	0	0	219	0	351	196	208	0	237	182	230	0	238	218	229	0	233	226	0	0	0	0	0	0
200	76	0	70	0	128	0	137	0	0	0	0	0	236	0	279	213	233	0	262	195	236	0	256	207	239	0	257	207	0	0	0	0	0	1
300	95	0	91	0	150	0	161	0	0	0	0	0	239	0	272	213	237	0	279	199	249	0	261	227	249	0	257	228	0	0	0	0	0	0
400	91	0	88	0	133	0	140	0	0	0	0	0	248	0	282	221	248	0	291	219	255	0	275	241	253	0	273	235	0	0	0	0	0	0
500	120	0	112	0	175	0	185	0	0	0	0	0	287	0	317	255	285	0	326	247	295	0	330	262	289	0	316	259	0	0	0	0	0	0
600	70	0	68	0	93	0	102	0	0	0	0	0	268	0	294	227	266	0	315	222	287	0	310	255	285	0	313	259	0	0	0	0	0	0
700	118	0	117	0	158	0	168	0	0	0	0	0	291	0	323	260	288	0	327	248	298	0	320	271	291	0	313	269	0	0	0	0	0	0
800	108	0	109	0	155	0	161	0	0	0	0	0	275	0	311	237	271	0	345	216	286	0	318	259	281	0	307	228	0	0	0	0	0	0
900	89	0	89	0	105	0	113	0	0	0	0	0	263	0	299	230	260	0	305	216	262	0	289	217	258	0	289	230	0	0	0	0	0	1
1000	77	0	73	0	99	0	109	0	0	0	0	0	249	0	286	213	247	0	285	199	258	0	298	218	259	0	297	222	0	0	0	0	0	0
1100	83	0	78	0	98	0	105	0	0	0	0	0	250	0	287	218	248	0	348	206	262	0	309	239	259	0	279	249	0	0	0	0	0	0
1200	60	0	59	0	69	0	74	0	0	0	0	0	251	0	286	210	249	0	303	182	258	0	309	217	256	0	289	211	0	0	0	0	0	1
1300	60	0	56	0	62	0	68	0	0	0	0	0	261	0	340	222	257	0	296	205	250	0	289	206	247	0	271	196	0	0	0	0	0	0
1400	82	0	81	0	96	0	102	0	0	0	0	0	267	0	283	229	265	0	295	228	268	0	280	252	266	0	273	246	0	0	0	0	0	0
1500	85	0	85	0	99	0	106	0	0	0	0	0	268	0	295	242	269	0	285	239	269	0	280	261	267	0	278	259	0	0	0	0	0	0
1600	60	0	59	0	78	0	85	0	0	0	0	0	269	0	295	239	264	0	306	227	271	0	289	233	269	0	290	239	0	0	0	0	0	0
1700	58	0	59	0	70	0	78	0	0	0	0	0	263	0	297	203	262	0	307	215	259	0	282	209	252	0	273	210	0	0	0	0	0	0
1800	83	0	83	0	127	0	138	0	0	0	0	0	247	0	301	210	244	0	306	205	243	0	269	217	241	0	269	215	0	0	0	0	0	0
1900	99	0	98	0	172	0	179	0	0	0	0	0	241	0	279	214	241	0	282	195	246	0	281	220	249	0	258	222	0	0	0	0	0	0
2000	67	0	59	0	115	0	121	0	0	0	0	0	226	0	91	205	222	0	251	182	222	0	239	206	223	0	233	208	0	0	0	0	0	1
2100	55	0	41	0	119	0	99	0	0	0	0	0	226	0	356	199	199	0	237	149	211	0	221	199	212	0	222	201	0	0	0	0	0	0
2200	63	0	46	0	121	0	107	0	0	0	0	0	231	0	351	196	198	0	229	149	212	0	226	209	219	0	229	209	0	0	0	0	0	0
2300	71	0	53	0	140	0	128	0	0	0	0	0	222	0	329	195	205	0	247	181	217	0	231	208	219	0	233	210	0	0	0	0	0	0
2400	83	0	62	0	152	0	145	0	0	0	0	0	217	0	343	199	209	0	247	170	219	0	231	208	219	0	229	203	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	525	0	520	0	315	2	315	2	320	0	320	0	50	0	52	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	549	0	541	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	541	0	536	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	522	0	519	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	534	0	529	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	505	0	500	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	536	0	529	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	543	0	539	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	549	0	543	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	563	0	558	0	315	2	315	2	320	0	320	0	-20	0	-16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	579	0	574	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	626	0	621	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	669	0	666	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	669	0	658	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	680	0	675	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	693	0	689	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	689	0	684	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	666	0	660	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	696	0	690	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	657	0	651	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	631	0	629	0	315	2	315	2	320	0	320	0	32	0	32	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	619	0	613	0	315	2	315	2	320	0	320	0	36	0	36	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	601	0	595	0	315	2	315	2	320	0	320	0	47	0	49	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	610	0	604	0	315	2	315	2	320	0	320	0	32	0	32	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	73	0	54	0	143	0	124	0	0	0	0	0	227	0	331	195	199	0	247	146	211	0	224	200	212	0	223	200	0	0	0	0	0	0
200	89	0	71	0	140	0	149	0	0	0	0	0	227	0	276	200	223	0	264	171	223	0	249	197	223	0	244	201	0	0	0	0	0	0
300	103	0	96	0	159	0	166	0	0	0	0	0	233	0	271	210	233	0	283	183	228	0	246	204	227	0	245	199	0	0	0	0	0	0
400	80	0	68	0	137	0	136	0	0	0	0	0	222	0	269	5	225	0	292	192	221	0	250	193	221	0	253	193	0	0	0	0	0	0
500	61	0	45	0	134	0	120	0	0	0	0	0	270	0	146	194	197	0	263	137	210	0	227	195	211	0	225	191	0	0	0	0	0	0
600	66	0	51	0	139	0	123	0	0	0	0	0	229	0	356	196	204	0	259	138	214	0	225	197	215	0	226	200	0	0	0	0	0	0
700	48	0	36	0	88	0	75	0	0	0	0	0	243	0	357	192	196	0	259	135	200	0	228	154	200	0	234	173	0	0	0	0	0	0
800	50	0	43	0	82	0	73	0	0	0	0	0	239	0	353	202	208	0	262	90	207	0	249	148	208	0	258	159	0	0	0	0	0	0
900	35	0	29	0	65	0	59	0	0	0	0	0	168	0	269	91	172	3	260	93	176	0	221	99	179	0	226	111	0	0	0	0	0	0
1000	30	0	25	0	50	0	49	0	0	0	0	0	99	3	157	0	157	3	267	92	167	0	243	100	170	0	269	106	0	0	0	0	0	0
1100	30	0	26	0	49	0	49	0	0	0	0	0	165	3	267	91	171	3	267	91	169	0	257	90	169	0	264	95	0	0	0	0	0	0
1200	49	0	43	0	76	0	72	0	0	0	0	0	184	0	259	92	184	0	266	99	176	0	229	121	179	0	240	125	0	0	0	0	0	0
1300	61	0	57	0	89	0	89	0	0	0	0	0	147	0	256	90	148	0	243	91	148	0	219	104	152	0	203	121	0	0	0	0	0	0
1400	45	0	42	0	71	0	72	0	0	0	0	0	180	0	269	90	172	0	264	93	187	0	266	136	184	0	263	172	0	0	0	0	0	0
1500	51	0	44	0	81	0	78	0	0	0	0	0	255	0	324	180	255	0	356	181	201	0	263	124	202	0	256	93	0	0	0	0	0	0
1600	49	2	43	2	76	2	245	0	0	0	0	0	92	0	257	0	48	0	179	0	100	0	221	0	179	2	240	125	0	0	0	0	0	0
1700	58	0	48	0	110	0	99	0	0	0	0	0	192	0	246	104	195	0	259	115	192	0	247	149	193	0	233	153	0	0	0	0	0	0
1800	53	0	48	0	115	0	98	0	0	0	0	0	183	0	261	95	182	0	243	92	185	0	220	141	185	0	219	140	0	0	0	0	0	0
1900	48	0	40	0	95	0	80	0	0	0	0	0	189	0	247	121	185	0	259	90	185	0	207	157	185	0	222	148	0	0	0	0	0	0
2000	34	0	30	0	69	0	67	0	0	0	0	0	126	0	174	301	150	3	191	102	170	0	192	141	171	0	192	150	0	0	0	0	0	0
2100	63	0	62	0	137	0	141	0	0	0	0	0	122	0	160	11	150	0	200	100	162	0	180	146	164	0	184	144	0	0	0	0	0	0
2200	79	0	75	0	182	0	166	0	0	0	0	0	132	0	157	38	140	0	180	92	153	0	166	138	156	0	167	141	0	0	0	0	0	0
2300	65	0	65	0	142	0	147	0	0	0	0	0	130	0	162	24	148	0	184	102	157	0	165	144	159	0	168	144	0	0	0	0	0	0
2400	58	0	55	0	130	0	110	0	0	0	0	0	107	0	168	0	166	0	241	105	177	0	186	167	178	0	190	167	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	588	0	581	0	315	2	315	2	320	0	320	0	34	0	36	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	606	0	599	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	613	0	608	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	610	0	609	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	567	0	559	0	315	2	315	2	320	0	320	0	27	0	29	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	568	0	563	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	597	0	594	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	648	0	642	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	660	0	655	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	712	0	709	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	747	0	745	0	315	2	315	2	320	0	320	0	-38	0	-38	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	761	0	756	0	315	2	315	2	320	0	320	0	-32	0	-31	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	779	0	777	0	315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	810	0	808	0	315	2	315	2	320	0	320	0	-40	0	-41	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	824	0	820	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	810	2	809	2	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	808	0	802	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	801	0	797	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	777	0	772	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	741	0	732	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	727	0	721	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	711	0	705	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	700	0	693	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	693	0	687	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	50	0	42	0	132	0	111	0	0	0	0	0	193	0	268	91	185	0	250	138	197	0	214	184	195	0	224	185	0	0	0	0	0
200	46	0	43	0	115	0	95	0	0	0	0	0	45	0	157	273	177	0	217	135	196	0	212	182	195	0	211	182	0	0	0	0	0
300	65	0	47	0	141	0	126	0	0	0	0	0	225	0	353	192	205	0	259	160	213	0	225	205	215	0	227	201	0	0	0	0	0
400	49	0	45	0	121	0	101	0	0	0	0	0	178	0	248	121	179	0	224	145	198	0	212	189	198	0	213	185	0	0	0	0	0
500	49	0	40	0	120	0	96	0	0	0	0	0	177	0	239	94	178	0	248	122	187	0	199	173	187	0	202	174	0	0	0	0	0
600	54	0	43	0	127	0	106	0	0	0	0	0	191	0	246	131	191	0	235	134	197	0	216	171	198	0	216	182	0	0	0	0	0
700	58	0	44	0	110	0	99	0	0	0	0	0	201	0	248	122	205	0	267	116	209	0	233	175	209	0	235	180	0	0	0	0	0
800	64	0	56	0	98	0	92	0	0	0	0	0	218	0	267	90	228	0	303	193	219	0	258	178	219	0	264	151	0	0	0	0	0
900	85	0	80	0	116	0	122	0	0	0	0	0	239	0	289	197	234	0	266	166	234	0	257	208	233	0	251	208	0	0	0	0	0
1000	79	0	75	0	102	0	106	0	0	0	0	0	244	0	307	209	241	0	281	198	235	0	277	198	235	0	264	207	0	0	0	0	0
1100	81	0	77	0	121	0	127	0	0	0	0	0	251	0	296	207	249	0	288	208	255	0	288	233	252	0	265	224	0	0	0	0	0
1200	83	0	85	0	117	0	124	0	0	0	0	0	258	0	283	226	257	0	286	229	261	0	282	235	259	0	270	230	0	0	0	0	0
1300	77	0	77	0	88	0	95	0	0	0	0	0	265	0	288	244	262	0	306	221	252	0	275	196	251	0	275	205	0	0	0	0	0
1400	78	0	75	0	99	0	101	0	0	0	0	0	272	0	306	236	268	0	304	248	269	0	280	243	266	0	281	245	0	0	0	0	0
1500	79	0	75	0	98	0	103	0	0	0	0	0	268	0	308	239	265	0	326	232	273	0	299	252	270	0	289	241	0	0	0	0	0
1600	78	0	73	0	112	0	120	0	0	0	0	0	270	0	290	247	267	0	299	238	270	0	295	261	267	0	299	256	0	0	0	0	0
1700	122	0	115	0	204	0	199	0	0	0	0	0	338	0	37	289	329	0	37	270	344	0	48	305	337	0	8	298	0	0	0	0	0
1800	106	0	102	0	172	0	172	0	0	0	0	0	29	0	61	359	22	0	66	328	11	0	47	336	7	0	51	338	0	0	0	0	0
1900	88	0	79	0	149	0	148	0	0	0	0	0	24	0	78	336	18	0	82	304	7	0	32	340	1	0	29	330	0	0	0	0	0
2000	78	0	75	0	145	0	140	0	0	0	0	0	3	0	57	299	0	0	94	293	0	0	36	312	356	0	34	309	0	0	0	0	0
2100	57	0	56	0	97	0	94	0	0	0	0	0	355	0	38	283	345	0	39	295	356	0	38	323	351	0	42	317	0	0	0	0	0
2200	44	0	44	0	97	0	95	0	0	0	0	0	356	0	47	309	345	0	26	305	355	0	5	347	350	0	357	341	0	0	0	0	0
2300	38	0	35	0	69	0	71	0	0	0	0	0	319	0	1	277	314	0	353	285	339	0	0	321	334	0	3	301	0	0	0	0	0
2400	42	0	41	0	35	0	38	0	0	0	0	0	250	0	268	233	247	0	270	225	277	0	330	247	271	0	315	236	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	675	0	669	0	315	2	315	2	320	0	320	0	23	0	23	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	658	0	653	0	315	2	315	2	320	0	320	0	25	0	25	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	651	0	646	0	315	2	315	2	320	0	320	0	32	0	34	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	639	0	631	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	626	0	621	0	315	2	315	2	320	0	320	0	22	0	22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	630	0	624	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	662	0	658	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	707	0	702	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	720	0	716	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	732	0	729	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	741	0	734	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	738	0	730	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	754	0	750	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	789	0	779	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	797	0	792	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	801	0	797	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	664	0	658	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	617	0	612	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	585	0	577	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	579	0	574	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	554	0	547	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	541	0	534	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	536	0	529	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	540	0	534	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6S	S
100	65	0	63	0	95	0	97	0	0	0	0	0	250	0	272	234	248	0	281	227	264	0	343	240	262	0	329	238	0	0	0	0	0	0
200	61	0	60	0	77	0	81	0	0	0	0	0	266	0	287	240	263	0	296	229	272	0	288	253	269	0	287	253	0	0	0	0	0	0
300	57	0	55	0	69	0	73	0	0	0	0	0	261	0	286	245	259	0	291	235	264	0	274	252	261	0	270	250	0	0	0	0	0	0
400	79	0	78	0	95	0	101	0	0	0	0	0	254	0	269	238	254	0	281	225	256	0	260	252	254	0	258	249	0	0	0	0	0	0
500	82	0	82	0	122	0	129	0	0	0	0	0	249	0	260	238	248	0	263	229	260	0	263	257	257	0	260	255	0	0	0	0	0	0
600	83	0	83	0	99	0	101	0	0	0	0	0	254	0	271	242	253	0	271	232	274	0	287	262	271	0	283	259	0	0	0	0	0	0
700	62	0	60	0	62	0	67	0	0	0	0	0	262	0	285	241	259	0	282	236	291	0	321	267	285	0	305	253	0	0	0	0	0	0
800	56	0	55	0	54	0	58	0	0	0	0	0	265	0	289	239	261	0	296	236	288	0	337	256	282	0	312	249	0	0	0	0	0	0
900	40	0	36	0	42	0	47	0	0	0	0	0	279	0	307	236	277	0	319	240	294	0	348	230	289	0	354	222	0	0	0	0	0	0
1000	39	0	37	0	35	0	38	0	0	0	0	0	272	0	310	239	271	0	318	228	307	0	340	238	303	0	358	249	0	0	0	0	0	0
1100	52	0	49	0	46	0	50	0	0	0	0	0	262	0	302	229	259	0	328	225	277	0	307	219	273	0	310	208	0	0	0	0	0	0
1200	59	0	57	0	51	0	56	0	0	0	0	0	274	0	301	237	271	0	315	236	279	0	308	237	277	0	297	227	0	0	0	0	0	0
1300	77	0	72	0	69	0	73	0	0	0	0	0	274	0	312	256	271	0	326	228	282	0	306	259	279	0	308	291	0	0	0	0	0	0
1400	52	0	51	0	60	0	68	0	0	0	0	0	292	0	323	264	286	0	326	251	271	0	299	237	267	0	291	249	0	0	0	0	0	0
1500	61	0	59	0	68	0	72	0	0	0	0	0	266	0	285	217	263	0	285	209	280	0	287	270	276	0	287	237	0	0	0	0	0	0
1600	93	0	92	0	99	0	53	0	0	0	0	0	272	0	306	217	271	0	318	237	289	0	339	267	286	0	317	269	0	0	0	0	0	0
1700	29	0	25	0	27	0	30	0	0	0	0	0	271	0	346	218	271	3	339	204	288	0	357	237	280	0	338	230	0	0	0	0	0	0
1800	29	0	28	0	39	0	42	0	0	0	0	0	305	0	342	261	301	3	336	214	309	0	319	281	297	0	312	267	0	0	0	0	0	0
1900	14	0	17	0	28	0	30	0	0	0	0	0	335	3	18	287	332	3	10	277	335	0	357	314	329	0	359	314	0	0	0	0	0	0
2000	0	9	8	0	22	0	29	0	0	0	0	0	320	5	12	300	325	3	23	300	313	0	321	301	306	0	313	292	0	0	0	0	0	0
2100	55	0	53	0	33	0	35	0	0	0	0	0	141	0	148	135	142	0	149	137	156	0	162	145	158	0	166	148	0	0	0	0	0	0
2200	60	0	58	0	88	0	92	0	0	0	0	0	143	0	161	90	152	0	182	123	148	0	152	149	149	0	156	146	0	0	0	0	0	0
2300	61	0	56	0	108	0	86	0	0	0	0	0	111	0	162	5	172	0	224	126	170	0	172	168	171	0	174	168	0	0	0	0	0	0
2400	58	0	57	0	126	0	102	0	0	0	0	0	93	0	160	7	172	0	225	102	183	0	186	182	183	0	185	180	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	545	0	538	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	534	0	527	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	525	0	520	0	315	2	315	2	320	0	320	0	45	0	47	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	534	0	527	0	315	2	315	2	320	0	320	0	43	0	45	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	532	0	527	0	315	2	315	2	320	0	320	0	38	0	40	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	549	0	543	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	554	0	549	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	570	0	565	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	577	0	572	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	595	0	590	0	315	2	315	2	320	0	320	0	-18	0	-14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	583	0	577	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	599	0	592	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	606	0	601	0	315	2	315	2	320	0	320	0	-29	0	-27	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	651	0	648	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	669	0	660	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	711	0	705	0	315	2	315	2	320	0	320	0	-32	0	-31	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	736	0	732	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	748	0	745	0	315	2	315	2	320	0	320	0	-34	0	-32	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	727	0	720	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	662	0	655	0	315	2	315	2	320	0	320	0	41	0	43	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	673	0	667	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	628	0	621	0	315	2	315	2	320	0	320	0	65	0	65	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	646	0	639	0	315	2	315	2	320	0	320	0	59	0	56	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	635	0	628	0	315	2	315	2	320	0	320	0	70	0	72	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	70	0	67	0	101	0	77	0	0	0	0	0	118	0	171	4	167	0	207	115	175	0	178	172	176	0	178	174	0	0	0	0	0	0
200	75	0	70	0	88	0	91	0	0	0	0	0	146	0	155	140	146	0	157	137	158	0	161	156	159	0	163	157	0	0	0	0	0	0
300	75	0	73	0	98	0	101	0	0	0	0	0	100	0	168	3	172	0	202	143	165	0	168	169	166	0	168	165	0	0	0	0	0	0
400	67	0	62	0	160	0	128	0	0	0	0	0	89	0	159	3	174	0	237	102	178	0	183	172	178	0	182	172	0	0	0	0	0	0
500	68	0	65	0	176	0	137	0	0	0	0	0	107	0	160	1	159	0	204	94	186	0	189	183	187	0	192	185	0	0	0	0	0	0
600	71	0	66	0	190	0	156	0	0	0	0	0	115	0	160	0	155	0	250	103	183	0	191	178	184	0	187	180	0	0	0	0	0	0
700	53	0	60	0	157	0	133	0	0	0	0	0	160	0	210	92	154	0	225	108	176	0	189	165	178	0	193	165	0	0	0	0	0	0
800	52	0	58	0	136	0	124	0	0	0	0	0	151	0	225	105	150	0	195	108	170	0	181	159	172	0	202	159	0	0	0	0	0	0
900	57	0	55	0	105	0	99	0	0	0	0	0	150	0	189	105	150	0	205	94	167	0	192	131	171	0	192	145	0	0	0	0	0	0
1000	49	0	47	0	84	0	80	0	0	0	0	0	155	0	263	93	155	0	267	91	164	0	202	117	166	0	194	114	0	0	0	0	0	0
1100	70	0	66	0	108	0	108	0	0	0	0	0	153	0	216	91	148	0	213	91	160	0	182	131	164	0	196	132	0	0	0	0	0	0
1200	59	0	52	0	89	0	81	0	0	0	0	0	208	0	260	113	204	0	267	91	197	0	253	111	197	0	257	100	0	0	0	0	0	0
1300	51	0	45	0	53	0	58	0	0	0	0	0	266	0	349	190	258	0	353	180	257	0	350	190	252	0	334	202	0	0	0	0	0	0
1400	33	0	29	0	41	0	40	0	0	0	0	0	268	0	359	192	266	3	344	184	261	0	346	184	261	0	354	194	0	0	0	0	0	0
1500	34	0	34	0	46	0	50	0	0	0	0	0	303	0	342	233	298	0	344	209	292	0	352	193	287	0	331	210	0	0	0	0	0	0
1600	55	0	48	0	80	0	75	0	0	0	0	0	244	0	337	180	240	0	333	182	213	0	268	167	213	0	261	154	0	0	0	0	0	0
1700	70	0	70	0	110	0	113	0	0	0	0	0	154	0	223	105	153	0	227	91	158	0	198	127	161	0	197	120	0	0	0	0	0	0
1800	53	0	52	0	94	0	94	0	0	0	0	0	159	0	226	99	155	0	229	91	162	0	220	114	164	0	212	128	0	0	0	0	0	0
1900	56	0	55	0	108	0	113	0	0	0	0	0	142	0	182	116	139	0	188	90	149	0	161	131	152	0	165	137	0	0	0	0	0	0
2000	65	0	69	0	120	0	123	0	0	0	0	0	129	0	146	113	131	0	169	97	138	0	146	130	141	0	154	127	0	0	0	0	0	0
2100	66	0	69	0	145	0	147	0	0	0	0	0	131	0	170	112	135	0	176	111	140	0	147	127	144	0	153	133	0	0	0	0	0	0
2200	75	0	70	0	155	0	159	0	0	0	0	0	135	0	169	106	135	0	173	70	145	0	159	133	149	0	161	132	0	0	0	0	0	0
2300	78	0	75	0	155	0	163	0	0	0	0	0	144	0	177	89	147	0	205	105	153	0	165	141	156	0	174	143	0	0	0	0	0	0
2400	52	0	45	0	112	0	97	0	0	0	0	0	180	0	233	100	172	0	239	90	182	0	208	152	183	0	208	160	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	619	0	612	0	315	2	315	2	320	0	320	0	85	0	86	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	599	0	594	0	315	2	315	2	320	0	320	0	101	0	103	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	630	0	624	0	315	2	315	2	320	0	320	0	68	0	68	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	604	0	599	0	315	2	315	2	320	0	320	0	81	0	83	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	581	0	576	0	315	2	315	2	320	0	320	0	101	0	103	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	588	0	583	0	315	2	315	2	320	0	320	0	92	0	94	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	613	0	608	0	315	2	315	2	320	0	320	0	41	0	41	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	637	0	631		315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	687	0	682	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	756	0	752	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	788	0	784	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	806	0	802	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	824	0	822	0	315	2	315	2	320	0	320	0	-40	0	-40	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	838	0	837	0	315	2	315	2	320	0	320	0	-38	0	-38	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	846	0	844	0	315	2	315	2	320	0	320	0	-50	0	-50	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	840	0	835	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	835	0	829	0	315	2	315	2	320	0	320	0	-22	0	-23	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	813	0	808	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	783	0	777	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	761	0	756	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	743	0	736	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	732	0	727	0	315	2	315	2	320	0	320	0	7	0	11	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	729	0	721	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	727.0		720	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATUS CODES: DEFINITIONS - 0 = VALID, 1 = QUESTIONABLE 2 = INVALID, 3 = UNSTEADY DIRECTION, 5 = CALM DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NOT PARTITION .01 LANGLEY

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	57	0	52	0	129	0	129	0	0	0	0	0	144	0	186	105	140	0	217	93	165	0	176	150	167	0	179	152	0	0	0	0	0	0
200	69	0	65	0	152	0	147	0	0	0	0	0	147	0	183	119	146	0	198	100	167	0	184	152	169	0	182	152	0	0	0	0	0	0
300	65	0	57	0	148	0	124	0	0	0	0	0	191	0	268	121	183	0	263	104	189	0	216	161	190	0	210	155	0	0	0	0	0	0
400	58	0	48	0	138	0	116	0	0	0	0	0	193	0	249	142	188	0	259	111	198	0	213	178	197	0	219	168	0	0	0	0	0	0
500	57	0	51	0	136	0	113	0	0	0	0	0	181	0	265	101	176	0	247	101	185	0	207	167	186	0	211	167	0	0	0	0	0	0
600	56	0	45	0	134	0	115	0	0	0	0	0	202	0	267	95	198	0	260	91	200	0	219	167	200	0	226	179	0	0	0	0	0	0
700	44	0	38	0	107	0	90	0	0	0	0	0	187	0	232	124	179	0	232	94	189	0	217	166	190	0	215	162	0	0	0	0	0	0
800	36	0	0	2	111	0	0	2	0	2	0	2	185	0	150	218	0	2	0	0	192	0	172	214	0	2	0	0	0	2	0	0	0	2
900	52	0	0	2	119	0	0	2	0	2	0	2	204	0	167	225	0	2	0	0	206	0	178	224	0	2	0	0	0	2	0	0	0	2
1000	50	0	0	2	121	0	0	2	0	2	0	2	201	0	170	233	0	2	0	0	218	0	191	239	0	2	0	0	0	2	0	0	0	2
1100	107	0	0	2	184	0	0	2	0	2	0	2	228	0	198	257	0	2	0	0	228	0	206	255	0	2	0	0	0	2	0	0	0	2
1200	100	0	0	2	182	0	0	2	0	2	0	2	234	0	207	259	0	2	0	0	236	0	214	263	0	2	0	0	0	2	0	0	0	2
1300	100	0	0	2	148	0	0	2	0	2	0	2	246	0	216	266	0	2	0	0	244	0	218	264	0	2	0	0	0	2	0	0	0	2
1400	94	0	0	2	142	0	0	2	0	2	0	2	244	0	227	262	0	2	0	0	240	0	222	266	0	2	0	0	0	2	0	0	0	2
1500	92	0	0	2	163	0	0	2	0	2	0	2	251	0	215	268	0	2	0	0	245	0	230	264	0	2	0	0	0	2	0	0	0	2
1600	96	0	0	2	165	0	0	2	0	2	0	2	239	0	218	255	0	2	0	0	239	0	217	255	0	2	0	0	0	2	0	0	0	2
1700	96	0	0	2	148	0	0	2	0	2	0	2	231	0	213	259	0	2	0	0	231	0	215	249	0	2	0	0	0	2	0	0	0	2
1800	61	0	0	2	123	0	0	2	0	2	0	2	231	0	217	258	0	2	0	0	231	0	199	252	0	2	0	0	0	2	0	0	0	2
1900	59	0	0	2	102	0	0	2	0	2	0	2	225	0	198	246	0	2	0	0	228	0	205	232	0	2	0	0	0	2	0	0	0	2
2000	62	0	53	0	133	0	114	0	0	0	0	0	202	0	261	91	195	0	246	97	199	0	216	171	198	0	216	173	0	0	0	0	0	0
2100	62	0	49	0	140	0	117	0	0	0	0	0	190	0	251	101	185	0	262	109	192	0	209	147	191	0	213	160	0	0	0	0	0	0
2200	76	0	63	0	159	0	135	0	0	0	0	0	189	0	246	120	185	0	253	119	188	0	210	159	187	0	207	161	0	0	0	0	0	0
2300	91	0	73	0	162	0	139	0	0	0	0	0	217	0	266	154	216	0	260	150	206	0	228	184	205	0	231	181	0	0	0	0	0	0
2400	88	0	69	0	153	0	132	0	0	0	0	0	219	0	259	179	212	0	254	137	207	0	230	165	206	0	233	178	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	703	0	698	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	696	0	689	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	702	0	694	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	700	0	693	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	687	0	680	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	696	0	689	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	709	0	703	0	315	2	315	2	320	0	320	0	-7	0	-9	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
800	730	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	754	0	0	2	0	2	0	2	0	2	0	2	-29	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	792	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	785	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	771	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	775	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	798	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	812	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	826	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	832	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	836	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	846	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	810	0	804	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	441	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	790	0	784	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	774	0	766	0	315	2	315	2	320	0	320	1	5	0	5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2300	772	0	766	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	477	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	763	0	757	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	441	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	89	0	70	0	154	0	135	0	0	0	0	0	220	0	266	93	215	0	267	148	207	0	228	181	207	0	239	189	0	0	0	0	0	0
200	86	0	70	0	143	0	132	0	0	0	0	0	223	0	269	169	219	0	262	138	212	0	251	191	212	0	245	176	0	0	0	0	0	0
300	134	0	119	0	198	0	188	0	0	0	0	0	226	0	260	159	227	0	287	180	217	0	249	181	216	0	241	178	0	0	0	0	0	0
400	129	0	111	0	185	0	180	0	0	0	0	0	231	0	279	198	224	0	287	163	220	0	243	199	218	0	248	199	0	0	0	0	0	0
500	55	0	44	0	130	0	112	0	0	0	0	0	206	0	269	124	204	0	266	115	200	0	241	169	200	0	225	182	0	0	0	0	0	0
600	65	0	51	0	132	0	114	0	0	0	0	0	213	0	259	155	208	0	262	141	205	0	240	157	204	0	244	162	0	0	0	0	0	0
700	60	0	49	0	111	0	96	0	0	0	0	0	199	0	266	110	193	0	260	93	197	0	224	142	195	0	240	152	0	0	0	0	0	0
800	84	0	66	0	133	0	115	0	0	0	0	0	209	0	261	94	212	0	264	145	204	0	245	162	204	0	237	178	0	0	0	0	0	0
900	86	0	73	0	131	0	124	0	0	0	0	0	230	0	279	196	225	0	270	181	217	0	257	184	216	0	253	193	0	0	0	0	0	0
1000	101	0	83	0	142	0	127	0	0	0	0	0	233	0	309	188	230	0	317	185	213	0	249	174	213	0	241	109	0	0	0	0	0	0
1100	99	0	88	0	136	0	134	0	0	0	0	0	236	0	298	191	232	0	301	187	221	0	252	194	220	0	253	190	0	0	0	0	0	0
1200	65	0	54	0	122	0	109	0	0	0	0	0	208	0	265	93	210	0	269	92	190	0	236	118	190	0	229	90	0	0	0	0	0	0
1300	107	0	98	0	145	0	146	0	0	0	0	0	242	0	313	189	236	0	303	182	228	0	270	194	227	0	256	188	0	0	0	0	0	0
1400	100	0	88	0	151	0	147	0	0	0	0	0	236	0	288	189	234	0	322	183	221	0	260	155	217	0	248	159	0	0	0	0	0	0
1500	56	0	44	0	106	0	89	0	0	0	0	0	203	0	264	137	195	0	262	96	196	0	235	160	196	0	224	161	0	0	0	0	0	0
1600	130	0	104	0	221	0	186	0	0	0	0	0	209	0	246	136	211	0	264	153	202	0	240	171	203	0	239	171	0	0	0	0	0	0
1700	115	0	96	0	190	0	162	0	0	0	0	0	211	0	284	155	211	0	267	150	202	0	226	156	204	0	238	141	0	0	0	0	0	0
1800	103	0	87	0	181	0	154	0	0	0	0	0	204	0	267	104	200	0	261	91	200	0	241	147	199	0	233	152	0	0	0	0	0	0
1900	82	0	72	0	167	0	141	0	0	0	0	0	198	0	261	115	193	0	258	98	195	0	249	151	196	0	226	157	0	0	0	0	0	0
2000	51	0	45	0	111	0	96	0	0	0	0	0	187	0	258	102	187	0	251	106	184	0	213	156	185	0	214	161	0	0	0	0	0	0
2100	62	0	50	0	134	0	120	0	0	0	0	0	189	0	260	103	185	0	251	105	190	0	221	156	189	0	213	161	0	0	0	0	0	0
2200	76	0	64	0	158	0	136	0	0	0	0	0	199	0	266	150	193	0	266	124	191	0	22[illegible]	159	193	0	230	164	0	0	0	0	0	0
2300	74	0	62	0	154	0	129	0	0	0	0	0	200	0	269	124	200	0	258	134	194	0	239	160	194	0	247	166	0	0	0	0	0	0
2400	86	0	69	0	172	0	144	0	0	0	0	0	208	0	257	115	210	0	258	123	199	0	232	169	200	0	229	164	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	95TEM	S
100	743	0	738	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	324	2	0	0	0	0	0	0	0	0	0	0	0	1		2
200	748	0	743	0	315	2	315	2	320	0	320	1	2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2
300	750	0	745	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	477	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	748	0	743	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	491	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	734	0	729	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	324	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
600	732	0	725	0	315	2	315	2	320	0	320	1	0	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
700	739	0	734	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	477	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
800	763	0	757	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
900	772	0	766	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	491	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1000	806	0	801	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1100	799	0	793	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1200	844	0	840	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1300	835	0	829	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1400	860	0	856	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1500	756	0	752	0	315	2	315	2	320	0	320	0	-11	0	-13	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1600	892	0	887	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1700	883	0	876	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1800	867	0	862	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1900	849	0	844	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	815	0	811	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	801	0	793	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	795	0	788	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2300	788	0	783	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2400	777	0	772	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	107	0	89	0	183	0	158	0	0	0	0	0	212	0	261	106	212	0	262	116	206	0	238	158	206	0	230	155	0	0	0	0	0	0
200	96	0	80	0	167	0	195	0	0	0	0	0	214	0	262	90	210	0	261	123	202	0	236	156	202	0	227	161	0	0	0	0	0	0
300	71	0	59	0	150	0	126	0	0	0	0	0	188	0	257	92	185	0	244	113	192	0	219	166	193	0	223	165	0	0	0	0	0	0
400	83	0	68	0	158	0	136	0	0	0	0	0	214	0	261	146	207	0	267	124	201	0	237	155	202	0	225	164	0	0	0	0	0	0
500	84	0	68	0	154	0	135	0	0	0	0	0	219	0	281	181	214	0	269	149	208	0	241	180	208	0	253	165	0	0	0	0	0	0
600	65	0	48	0	144	0	122	0	0	0	0	0	194	0	269	103	186	0	263	93	196	0	217	148	197	0	227	149	0	0	0	0	0	0
700	95	0	76	0	158	0	138	0	0	0	0	0	219	0	267	151	216	0	264	169	208	0	240	178	208	0	232	177	0	0	0	0	0	0
800	96	0	80	0	154	0	138	0	0	0	0	0	225	0	262	173	220	0	266	130	210	0	240	168	209	0	240	151	0	0	0	0	0	0
900	97	0	85	0	143	0	132	0	0	0	0	0	237	0	276	193	234	0	287	191	217	0	252	188	219	0	248	187	0	0	0	0	0	0
1000	129	0	116	0	195	0	184	0	0	0	0	0	229	0	262	172	221	0	263	100	215	0	256	184	216	0	252	165	0	0	0	0	0	0
1100	98	0	84	0	163	0	147	0	0	0	0	0	220	0	268	121	225	0	347	187	211	0	248	178	211	0	251	185	0	0	0	0	0	0
1200	103	0	87	0	188	0	164	0	0	0	0	0	211	0	268	152	205	0	264	126	201	0	248	155	199	0	232	145	0	0	0	0	0	0
1300	136	0	107	0	205	0	173	0	0	0	0	0	213	0	257	169	210	0	264	133	203	0	232	147	204	0	229	161	0	0	0	0	0	0
1400	108	0	87	0	191	0	163	0	0	0	0	0	201	0	268	102	193	0	267	103	194	0	234	138	192	0	238	120	0	0	0	0	0	0
1500	110	0	100	0	219	0	189	0	0	0	0	0	197	0	259	97	192	0	269	116	189	0	224	144	191	0	228	151	0	0	0	0	0	0
1600	104	0	87	0	203	0	174	0	0	0	0	0	208	0	269	111	204	0	265	145	199	0	238	163	201	0	261	172	0	0	0	0	0	0
1700	112	0	98	0	170	0	155	0	0	0	0	0	217	0	259	101	215	0	268	130	208	0	248	162	209	0	236	168	0	0	0	0	0	0
1800	115	0	96	0	185	0	160	0	0	0	0	0	219	0	266	130	214	0	264	130	205	0	239	168	206	0	234	171	0	0	0	0	0	0
1900	114	0	96	0	194	0	166	0	0	0	0	0	213	0	266	149	213	0	264	133	201	0	237	165	202	0	242	179	0	0	0	0	0	0
2000	100	0	79	0	171	0	147	0	0	0	0	0	207	0	251	97	205	0	259	132	201	0	234	183	201	0	229	168	0	0	0	0	0	0
2100	73	0	62	0	144	0	122	0	0	0	0	0	187	0	261	105	191	0	252	114	183	0	207	149	186	0	208	153	0	0	0	0	0	0
2200	80	0	73	0	161	0	144	0	0	0	0	0	171	0	207	119	171	0	269	101	176	0	209	147	177	0	211	148	0	0	0	0	0	0
2300	88	0	82	0	177	0	151	0	0	0	0	0	184	0	237	109	182	0	266	101	182	0	209	119	182	0	204	148	0	0	0	0	0	0
2400	97	0	81	0	201	0	166	0	0	0	0	0	189	0	256	98	187	0	268	101	185	0	215	152	186	0	220	145	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	765	0	759	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	757	0	752	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	729	0	721	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	729	0	723	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	700	0	694	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	700	0	694	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	727	0	721	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	750	0	745	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	774	0	768	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	783	0	777	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	802	0	797	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	441	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	819	0	813	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	835	0	829	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	844	0	838	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	824	0	819	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	835	0	829	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	837	0	831	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	835	0	829	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	817	0	811	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	795	0	790	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	777	0	772	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	768	0	765	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	766	0	763	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	766	0	762	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	110	0	94	0	212	0	180	0	0	0	0	0	197	0	249	134	193	0	267	90	189	0	226	137	192	0	227	149	0	0	0	0	0	0
200	110	0	93	0	218	0	189	0	0	0	0	0	197	0	260	111	193	0	267	113	192	0	226	151	192	0	227	151	0	0	0	0	0	0
300	128	0	108	0	248	0	215	0	0	0	0	0	209	0	269	112	196	0	262	97	195	0	235	158	196	0	238	159	0	0	0	0	0	0
400	131	0	110	0	218	0	187	0	0	0	0	0	210	0	267	149	212	0	269	130	202	0	238	150	202	0	233	149	0	0	0	0	0	0
500	129	0	105	0	210	0	192	0	0	0	0	0	221	0	257	169	217	0	267	93	207	0	235	173	207	0	234	168	0	0	0	0	0	0
600	136	0	119	0	237	0	207	0	0	0	0	0	220	0	260	133	211	0	265	129	204	0	240	160	205	0	230	179	0	0	0	0	0	0
700	138	0	121	0	227	0	203	0	0	0	0	0	227	0	264	136	221	0	269	167	210	0	254	182	212	0	241	156	0	0	0	0	0	0
800	187	0	157	0	268	0	255	0	0	0	0	0	229	0	261	176	227	0	291	186	217	0	248	195	217	0	253	187	0	0	0	0	0	0
900	145	0	120	0	248	0	229	0	0	0	0	0	208	0	246	182	206	0	262	127	202	0	231	175	204	0	233	172	0	0	0	0	0	0
1000	174	0	151	0	258	0	248	0	0	0	0	0	237	0	326	202	227	0	276	182	220	0	246	176	221	0	247	185	0	0	0	0	0	0
1100	143	0	133	0	221	0	219	0	0	0	0	0	235	0	284	183	231	0	303	188	224	0	253	199	222	0	253	189	0	0	0	0	0	0
1200	174	0	167	0	265	0	275	0	0	0	0	0	241	0	267	197	237	0	276	185	228	0	249	206	227	0	252	202	0	0	0	0	0	0
1300	154	0	146	0	236	0	262	0	0	0	0	0	241	0	276	208	237	0	275	196	237	0	261	205	235	0	255	202	0	0	0	0	0	0
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1500	132	0	127	0	233	0	247	0	0	0	0	0	251	0	288	220	246	0	291	210	261	0	274	245	258	0	278	246	0	0	0	0	0	0
1600	138	0	135	0	202	0	213	0	0	0	0	0	250	0	276	207	246	0	287	205	256	0	275	237	253	0	268	240	0	0	0	0	0	0
1700	127	0	122	0	189	0	193	0	0	0	0	0	246	0	274	218	242	0	275	209	253	0	263	230	250	0	264	230	0	0	0	0	0	0
1800	125	0	123	0	193	0	201	0	0	0	0	0	249	0	270	223	248	0	280	212	255	0	272	233	252	0	265	231	0	0	0	0	0	0
1900	129	0	126	0	205	0	216	0	0	0	0	0	260	0	299	231	256	0	299	212	262	0	278	241	260	0	273	241	0	0	0	0	0	0
2000	130	0	120	0	199	0	210	0	0	0	0	0	236	0	267	206	233	0	292	198	232	0	258	209	231	0	250	211	0	0	0	0	0	0
2100	109	0	101	0	162	0	178	0	0	0	0	0	238	0	267	198	235	0	280	191	234	0	259	212	230	0	260	202	0	0	0	0	0	0
2200	109	0	97	0	177	0	185	0	0	0	0	0	238	0	263	205	231	0	271	184	229	0	245	211	228	0	245	211	0	0	0	0	0	0
2300	141	0	135	0	223	0	237	0	0	0	0	0	242	0	266	200	242	0	279	189	237	0	254	209	235	0	255	218	0	0	0	0	0	0
2400	112	0	104	0	173	0	184	0	0	0	0	0	240	0	285	205	237	0	271	200	236	0	268	216	234	0	257	213	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	761	0	756	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	759	0	748	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	759	0	748	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	750	0	745	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	750	0	745	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	756	0	750	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	756	0	750	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	739	0	736	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	727	0	723	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	775	0	770	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	790	0	784	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	774	0	768	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	750	0	745	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	478	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	725	0	720	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	481	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	736	0	730	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	732	0	727	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1800	730	0	725	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	734	0	729	0	315	2	315	2	320	0	320	0	25	0	25	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	738	0	732	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	768	0	765	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	1	0	0	0	0	0	0	2
2200	729	0	723	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	745	0	739	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	732	0	727	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4	S	MIN	MAX	WIND DIR5	S	MIN	MAX	WIND DIR6	S
100	89	0	82	0	154	0	164	0	0	0	0	0	239	0	263	166	230	0	266	161	232	0	248	205	231	0	247	199	0	0	0	0
200	101	0	94	0	167	0	174	0	0	0	0	0	239	0	274	205	233	0	271	192	233	0	251	208	231	0	253	202	0	0	0	0
300	73	0	69	0	117	0	121	0	0	0	0	0	229	3	263	183	226	0	259	160	226	0	260	203	224	0	249	201	0	0	0	0
400	36	0	29	0	89	0	78	0	0	0	0	0	196	0	252	112	187	3	251	115	196	0	212	182	194	0	207	183	0	0	0	0
500	40	0	29	0	75	0	73	0	0	0	0	0	216	0	251	180	210	3	248	157	217	0	231	205	218	0	231	203	0	0	0	0
600	60	0	48	0	89	0	97	0	0	0	0	0	225	0	251	192	221	0	256	192	227	0	244	208	225	0	240	208	0	0	0	0
700	30	0	25	0	69	0	60	0	0	0	0	0	185	0	247	101	183	3	265	91	200	0	226	169	201	0	228	169	0	0	0	0
800	41	0	39	0	45	0	48	0	0	0	0	0	127	0	179	90	125	0	171	78	124	0	164	101	126	0	160	92	0	0	0	0
900	33	0	29	0	63	0	56	0	0	0	0	0	187	0	266	90	189	3	263	108	178	0	206	135	178	0	206	109	0	0	0	0
1000	68	0	63	0	123	0	122	0	0	0	0	0	158	0	213	104	157	0	218	93	162	0	183	133	164	0	181	133	0	0	0	0
1100	59	0	44	0	86	0	76	0	0	0	0	0	214	0	265	147	207	0	263	114	206	0	233	169	206	0	247	181	0	0	0	0
1200	72	0	69	0	94	0	100	0	0	0	0	0	253	0	300	217	248	0	296	210	245	0	277	222	241	0	262	214	0	0	0	0
1300	57	0	53	0	77	0	85	0	0	0	0	0	256	0	293	219	250	0	326	205	253	0	289	209	249	0	276	196	0	0	0	0
1400	57	0	52	0	71	0	75	0	0	0	0	0	275	0	309	232	266	0	315	220	263	0	297	220	261	0	304	204	0	0	0	0
1500	46	0	45	0	75	0	77	0	0	0	0	0	318	0	84	276	308	0	358	254	324	0	359	299	318	0	349	287	0	0	0	0
1600	55	0	54	0	75	0	79	0	0	0	0	0	321	0	14	277	314	0	19	275	314	0	352	284	307	0	356	275	0	0	0	0
1700	45	0	42	0	63	0	65	0	0	0	0	0	11	0	68	281	7	0	71	298	359	0	40	306	354	0	46	281	0	0	0	0
1800	8	0	12	0	15	0	18	0	0	0	0	0	112	0	175	34	94	3	175	12	109	3	171	23	103	3	177	0	0	0	0	0
1900	38	0	36	0	43	0	47	0	0	0	0	0	138	0	185	117	137	0	184	101	154	0	165	109	137	0	157	121	0	0	0	0
2000	62	0	63	0	100	0	102	0	0	0	0	0	131	0	147	114	133	0	160	94	137	0	144	128	139	0	148	133	0	0	0	0
2100	58	0	57	0	135	0	115	0	0	0	0	0	163	0	216	127	160	0	214	108	178	0	191	166	178	0	190	165	0	0	0	0
2200	66	0	56	0	161	0	135	0	0	0	0	0	187	0	262	94	192	0	266	130	195	0	220	171	191	0	212	166	0	0	0	0
2300	67	0	56	0	150	0	128	0	0	0	0	0	193	0	251	91	187	0	261	108	191	0	223	169	191	0	213	153	0	0	0	0
2400	83	0	66	0	145	0	127	0	0	0	0	0	211	0	248	163	204	0	265	123	207	0	226	186	206	0	227	185	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	703	0	696	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	000		464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	703	0	698	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	669	0	658	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	682	0	675	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	682	0	675	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	682	0	678	0	315	2	315	2	320	0	320	0	11	0	9	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	699	0	691	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	727	0	723	0	315	2	315	2	320	0	320	0	-11	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	757	0	752	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	757	0	752	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	775	0	770	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	781	0	775	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	793	0	788	0	315	2	315	2	320	0	320	0	-18	0	-16	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	781	0	777	0	315	2	315	2	320	0	320	0	-20	0	-18	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	795	0	792	0	315	2	315	2	320	0	320	0	-63	2	-63	2	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	806	0	802	0	315	2	315	2	320	0	320	0	-58	0	-59	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	784	0	781	0	315	2	315	2	320	0	320	0	-36	0	-36	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	828	0	824	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	804	0	799	0	315	2	315	2	320	0	320	0	-5	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	790	0	784	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	777	0	772	0	315	2	315	2	320	0	320	0	22	0	22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	777	0	772	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	774	0	768	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	766	0	761	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2 50 B	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6
100	95	0	77	0	160	0	145	0	0	0	0	0	218	0	268	157	216	0	261	136	210	0	237	186	208	0	238	178	0	0	0	0	0
200	118	0	99	0	199	0	173	0	0	0	0	0	220	0	269	162	219	0	265	136	210	0	240	185	209	0	242	181	0	0	0	0	0
300	113	0	97	0	188	0	171	0	0	0	0	0	221	0	260	179	219	0	268	139	211	0	237	178	212	0	239	187	0	0	0	0	0
400	110	0	93	0	171	0	160	0	0	0	0	0	225	0	266	35	223	0	269	168	218	0	250	177	217	0	250	186	0	0	0	0	0
500	130	0	110	0	195	0	192	0	0	0	0	0	236	0	268	188	228	0	269	171	222	0	253	189	220	0	242	197	0	0	0	0	0
600	121	0	106	0	184	0	174	0	0	0	0	0	228	0	262	158	224	0	269	126	220	0	251	195	218	0	248	181	0	0	0	0	0
700	117	0	105	0	175	0	172	0	0	0	0	0	234	0	282	201	230	0	277	181	224	0	248	198	222	0	249	184	0	0	0	0	0
800	122	0	112	0	189	0	187	0	0	0	0	0	233	0	276	188	229	0	263	168	221	0	256	179	220	0	248	179	0	0	0	0	0
900	138	0	125	0	211	0	220	0	0	0	0	0	239	0	267	211	238	0	286	198	231	0	258	209	228	0	258	204	0	0	0	0	0
1000	140	0	136	0	214	0	230	0	0	0	0	0	243	0	288	218	239	0	295	198	240	0	261	212	238	0	260	214	0	0	0	0	0
1100	157	0	155	0	251	0	264	0	0	0	0	0	248	0	276	206	244	0	278	196	249	0	257	232	247	0	256	231	0	0	0	0	0
1200	135	0	132	0	206	0	220	0	0	0	0	0	248	0	281	215	244	0	272	195	255	0	273	227	253	0	269	227	0	0	0	0	0
1300	87	0	83	0	136	0	149	0	0	0	0	0	256	0	285	219	250	0	289	195	259	0	285	210	255	0	279	209	0	0	0	0	0
1400	105	0	106	0	169	0	182	0	0	0	0	0	256	0	291	196	252	0	288	189	261	0	279	223	259	0	271	240	0	0	0	0	0
1500	109	0	102	0	181	0	190	0	0	0	0	0	252	0	276	226	249	0	281	213	257	0	274	232	255	0	276	223	0	0	0	0	0
1600	129	0	128	0	210	0	228	0	0	0	0	0	251	0	282	229	247	0	278	194	254	0	274	238	252	0	264	225	0	0	0	0	0
1700	139	0	137	0	218	0	229	0	0	0	0	0	249	0	270	213	245	0	270	207	251	0	265	222	249	0	262	229	0	0	0	0	0
1800	124	0	121	0	184	0	196	0	0	0	0	0	248	0	277	212	246	0	295	211	257	0	268	245	255	0	269	243	0	0	0	0	0
1900	128	0	128	0	212	0	225	0	0	0	0	0	255	0	278	222	248	0	287	218	263	0	279	243	260	0	275	228	0	0	0	0	0
2000	122	0	120	0	181	0	189	0	0	0	0	0	276	0	322	249	270	0	320	239	287	0	318	260	283	0	315	259	0	0	0	0	0
2100	135	0	133	0	207	0	216	0	0	0	0	0	290	0	323	259	283	0	328	248	300	0	310	273	294	0	303	272	0	0	0	0	0
2200	153	0	147	0	283	0	293	0	0	0	0	0	305	0	333	270	299	0	338	260	309	0	315	299	301	0	312	291	0	0	0	0	0
2300	104	0	96	0	213	0	219	0	0	0	0	0	295	0	326	256	287	0	326	249	310	0	321	302	303	0	315	296	0	0	0	0	0
2400	118	0	108	0	175	0	172	0	0	0	0	0	353	0	56	302	349	0	63	304	353	0	46	302	346	0	23	318	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	765	0	759	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	768	0	763	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	759	0	754	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	748	0	743	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	750	0	745	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	748	0	741	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	741	0	736	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	734	0	729	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	729	0	723	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	725	0	720	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	716	0	711	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	707	0	702	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	732	0	727	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	736	0	730	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	748	0	743	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	761	0	756	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	754	0	748	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	705	0	698	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	702	0	694	0	315	2	315	2	320	0	320	0	32	0	32	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	660	0	655	0	315	2	315	2	320	0	320	0	23	0	23	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	657	0	651	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	610	0	603	0	315	2	315	2	320	0	320	0	67	0	67	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	601	0	595	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	585	0	579	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	92	0	87	0	149	0	149	0	0	0	0	0	26	0	161	319	14	0	78	307	8	0	38	317	3	0	50	321	0	0	0	0	0	0	0	0	0	0
200	131	0	121	0	177	0	173	0	0	0	0	0	31	0	80	9	25	0	83	340	19	0	38	359	15	0	39	351	0	0	0	0	0	0	0	0	0	0
300	101	0	99	0	156	0	150	0	0	0	0	0	37	0	76	358	33	0	103	0	26	0	51	353	24	0	63	358	0	0	0	0	0	0	0	0	0	0
400	99	0	96	0	141	0	139	0	0	0	0	0	37	0	62	15	31	0	69	351	28	0	55	9	23	0	45	6	0	0	0	0	0	0	0	0	0	0
500	101	0	97	0	125	0	127	0	0	0	0	0	37	0	77	9	30	0	86	349	32	0	61	11	28	0	54	5	0	0	0	0	0	0	0	0	0	0
600	75	0	72	0	107	0	106	0	0	0	0	0	39	0	90	6	32	0	81	347	32	0	60	8	29	0	70	4	0	0	0	0	0	0	0	0	0	0
700	66	0	71	0	78	0	90	0	0	0	0	0	57	0	98	24	52	0	102	17	48	0	70	24	48	0	70	24	0	0	0	0	0	0	0	0	0	0
800	72	0	70	0	75	0	82	0	0	0	0	0	66	0	106	24	60	0	127	12	62	0	95	27	61	0	97	21	0	0	0	0	0	0	0	0	0	0
900	40	0	40	0	40	0	49	0	0	0	0	0	65	0	118	10	64	0	125	3	63	0	125	17	63	0	146	21	0	0	0	0	0	0	0	0	0	0
1000	41	0	40	0	57	0	59	0	0	0	0	0	42	0	177	283	33	0	171	284	13	0	66	311	10	0	130	283	0	0	0	0	0	0	0	0	0	0
1100	64	0	61	0	82	0	83	0	0	0	0	0	350	0	154	288	344	0	150	272	354	0	30	309	351	0	15	311	0	0	0	0	0	0	0	0	0	0
1200	83	0	78	0	101	0	100	0	0	0	0	0	349	0	24	311	343	0	27	272	355	0	19	327	352	0	32	327	0	0	0	0	0	0	0	0	0	0
1300	57	0	58	0	71	0	71	0	0	0	0	0	344	0	37	270	341	0	58	274	0	0	69	291	354	0	54	307	0	0	0	0	0	0	0	0	0	0
1400	67	0	62	0	79	0	77	0	0	0	0	0	348	0	48	291	339	0	50	286	3	0	65	317	354	0	50	281	0	0	0	0	0	0	0	0	0	0
1500	35	0	32	0	63	0	59	0	0	0	0	0	0	0	113	277	0	0	124	270	4	0	82	288	356	0	67	299	0	0	0	0	0	0	0	0	0	0
1600	42	0	43	0	67	0	63	0	0	0	0	0	13	0	131	275	13	0	138	270	6	0	95	285	356	0	45	272	0	0	0	0	0	0	0	0	0	0
1700	59	0	58	0	69	0	69	0	0	0	0	0	40	0	91	4	35	0	116	4	27	0	64	3	24	0	56	343	0	0	0	0	0	0	0	0	0	0
1800	54	0	55	0	72	0	78	0	0	0	0	0	53	0	97	27	46	0	94	14	40	0	66	352	32	0	67	4	0	0	0	0	0	0	0	0	0	0
1900	38	0	40	0	49	0	60	0	0	0	0	0	67	0	99	20	64	0	98	18	60	0	85	22	61	0	91	27	0	0	0	0	0	0	0	0	0	0
2000	50	0	51	0	72	0	88	0	0	0	0	0	78	0	110	57	75	0	113	46	69	0	81	58	69	0	82	60	0	0	0	0	0	0	0	0	0	0
2100	67	0	61	0	123	0	121	0	0	0	0	0	92	0	106	76	90	0	125	61	81	0	88	75	81	0	88	76	0	0	0	0	0	0	0	0	0	0
2200	86	0	83	0	157	0	158	0	0	0	0	0	108	0	118	98	108	0	129	93	98	0	101	95	99	0	102	97	0	0	0	0	0	0	0	0	0	0
2300	93	0	82	0	154	0	156	0	0	0	0	0	116	0	125	107	117	0	139	101	112	0	114	109	113	0	115	111	0	0	0	0	0	0	0	0	0	0
2400	87	0	77	0	138	0	142	0	0	0	0	0	119	0	124	113	120	0	129	102	123	0	128	117	125	0	130	119	0	0	0	0	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	538	0	531	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	529	0	523	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	529	0	522	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	525	0	520	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	525	0	520	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	534	0	527	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	552	0	547	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	581	0	579	0	315	2	315	2	320	0	320	0	-27	0	-29	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	621	0	619	0	315	2	315	2	320	0	320	0	-35	0	-38	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	637	0	633	0	315	2	315	2	320	0	320	0	-41	0	-43	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	612	0	608	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	612	0	606	0	315	2	315	2	320	0	320	0	-32	0	-31	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	655	0	653	0	315	2	315	2	320	0	320	0	-52	0	-54	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	633	0	630	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	649	0	642	0	315	2	315	2	320	0	320	0	-52	0	-52	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	633	0	631	0	315	2	315	2	320	0	320	0	-49	0	-52	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	646	0	642	0	315	2	315	2	320	0	320	0	-31	0	-32	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	666	0	664	0	315	2	315	2	320	0	320	0	-36	0	-40	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	687	0	682	0	315	2	315	2	320	0	320	0	-27	0	-29	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	640	0	633	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	617	0	608	0	315	2	315	2	320	0	320	0	32	0	36	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	621	0	613	0	315	2	315	2	320	0	320	0	41	0	43	0	0	0	0	0	482	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	617	0	610	0	315	2	315	2	320	0	320	0	43	0	43	0	0	0	0	0	473	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	615	0	610	0	315	2	315	2	320	0	320	0	49	0	50	0	0	0	0	0	468	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	94	0	87	0	167	0	165	0	0	0	0	0	119	0	129	113	122	0	139	108	134	0	137	129	136	0	139	132	0	0	0	0	0	0
200	79	0	76	0	181	0	187	0	0	0	0	0	129	0	143	112	130	0	176	112	150	0	152	144	152	0	156	147	0	0	0	0	0	0
300	76	0	72	0	185	0	191	0	0	0	0	0	129	0	147	115	132	0	158	104	151	0	154	150	154	0	156	152	0	0	0	0	0	0
400	89	0	84	0	192	0	198	0	0	0	0	0	141	0	165	117	139	0	179	72	158	0	168	143	161	0	171	150	0	0	0	0	0	0
500	83	0	81	0	188	0	188	0	0	0	0	0	151	0	185	109	149	0	195	104	165	0	178	150	167	0	188	147	0	0	0	0	0	0
600	85	0	83	0	183	0	174	0	0	0	0	0	153	0	184	102	154	0	204	102	169	0	189	144	171	0	186	149	0	0	0	0	0	0
700	75	0	66	0	163	0	152	0	0	0	0	0	157	0	207	102	157	0	256	90	173	0	194	147	174	0	193	153	0	0	0	0	0	0
800	45	0	41	0	98	0	88	0	0	0	0	0	173	0	229	92	170	0	260	91	175	0	217	140	178	0	225	140	0	0	0	0	0	0
900	47	0	38	0	85	0	76	0	0	0	0	0	200	0	269	93	196	0	269	93	189	0	231	113	191	0	245	136	0	0	0	0	0	0
1000	60	0	48	0	102	0	85	0	0	0	0	0	217	0	265	144	207	0	259	122	204	0	239	159	205	0	258	157	0	0	0	0	0	0
1100	79	0	70	0	118	0	113	0	0	0	0	0	237	0	287	199	232	0	266	149	224	0	261	202	224	0	259	199	0	0	0	0	0	0
1200	82	0	69	0	116	0	111	0	0	0	0	0	239	0	307	188	239	0	306	184	223	0	275	181	220	0	262	179	0	0	0	0	0	0
1300	122	0	113	0	174	0	180	0	0	0	0	0	242	0	274	198	239	0	287	192	234	0	283	196	235	0	276	205	0	0	0	0	0	0
1400	122	0	114	0	169	0	181	0	0	0	0	0	246	0	267	217	243	0	270	212	246	0	256	235	243	0	253	231	0	0	0	0	0	0
1500	104	0	101	0	171	0	180	0	0	0	0	0	245	0	270	224	241	0	273	186	248	0	265	211	246	0	264	208	0	0	0	0	0	0
1600	59	0	50	0	77	0	74	0	0	0	0	0	229	0	262	189	225	0	268	169	219	0	244	193	219	0	250	191	0	0	0	0	0	0
1700	63	0	54	0	120	0	112	0	0	0	0	0	175	0	232	107	173	0	259	94	178	0	220	139	176	0	232	142	0	0	0	0	0	0
1800	48	0	41	0	109	0	96	0	0	0	0	0	194	0	266	91	198	0	266	92	191	0	228	158	190	0	218	125	0	0	0	0	0	0
1900	35	0	28	0	74	0	63	0	0	0	0	0	192	0	264	99	187	3	262	97	189	0	239	146	191	0	256	152	0	0	0	0	0	0
2000	34	0	27	0	78	0	68	0	0	0	0	0	208	0	255	164	206	3	268	159	200	0	221	179	200	0	225	180	0	0	0	0	0	0
2100	41	0	36	0	107	0	89	0	0	0	0	0	189	0	256	110	193	0	269	90	191	0	220	168	191	0	216	176	0	0	0	0	0	0
2200	48	0	33	0	102	0	92	0	0	0	0	0	207	0	238	155	208	0	254	189	214	0	225	203	218	0	225	204	0	0	0	0	0	0
2300	82	0	79	0	138	0	147	0	0	0	0	0	245	0	268	223	239	0	265	213	244	0	257	232	242	0	257	231	0	0	0	0	0	0
2400	76	0	72	0	115	0	122	0	0	0	0	0	241	0	265	214	238	0	274	205	241	0	254	227	238	0	250	226	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	612	0	604	0	315	2	315	2	320	0	320	0	77	0	79	0	0	0	0	0	964	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	628	0	621	0	315	2	315	2	320	0	320	0	65	0	67	0	0	0	0	0	982	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	649	0	637	0	315	2	315	2	320	0	320	0	54	0	56	0	0	0	0	0	973	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	653	0	648	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
500	653	0	648	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
600	667	0	662	0	315	2	315	2	320	0	320	0	9	0	11	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	693	0	687	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	734	0	730	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	770	0	765	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1000	811	0	806	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	815	0	810	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	975	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	858	0	855	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	853	0	847	0	315	2	315	2	320	0	320	0	-14	0	-13	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	846	0	840	0	315	2	315	2	320	0	320	0	-4	0	2	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	739	0	734	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1600	864	0	860	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	883	0	878	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	876	0	871	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	862	0	856	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	819	0	813	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	964	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	806	0	801	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	777	0	772	0	315	2	315	2	320	0	320	0	32	0	32	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2300	779	0	774	0	315	2	315	2	320	0	320	0	20	0	18	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	766	0	763	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	80	0	76	0	113	0	119	0	0	0	0	0	245	6	265	224	240	0	272	206	252	0	260	236	250	0	258	240	0	0	0	0	0	0
200	43	0	39	0	60	0	63	0	0	0	0	0	297	0	330	270	291	0	316	261	306	0	318	280	301	0	312	281	0	0	0	0	0	0
300	54	0	51	0	59	0	63	0	0	0	0	0	273	0	303	259	266	0	296	248	270	0	276	262	267	0	278	257	0	0	0	0	0	0
400	44	0	41	0	57	0	61	0	0	0	0	0	247	0	271	224	244	0	267	202	260	0	265	252	258	0	264	250	0	0	0	0	0	0
500	44	2	39	2	81	2	71	2	0	0	0	0	185	2	214	157	183	2	218	115	207	2	220	195	207	2	222	193	0	0	0	0	0	0
600	42	0	32	0	85	0	76	0	0	0	0	0	205	0	263	138	207	0	262	128	211	0	245	187	211	0	235	190	0	0	0	0	0	0
700	115	0	108	0	167	0	164	0	0	0	0	0	36	0	79	3	30	0	104	1	25	0	57	340	21	0	50	357	0	0	0	0	0	0
800	46	0	39	0	68	0	70	0	0	0	0	0	190	0	219	150	186	0	217	147	225	0	241	211	225	0	239	213	0	0	0	0	0	0
900	73	0	68	0	85	0	88	0	0	0	0	0	103	0	141	64	100	0	158	31	96	0	138	53	97	0	126	51	0	0	0	0	0	0
1000	77	0	76	0	95	0	97	0	0	0	0	0	125	0	165	84	124	0	161	81	127	0	149	97	130	0	151	98	0	0	0	0	0	0
1100	49	0	43	0	84	0	77	0	0	0	0	0	171	0	264	100	170	0	263	91	170	0	221	115	172	0	213	136	0	0	0	0	0	0
1200	79	0	75	0	91	0	94	0	0	0	0	0	246	0	288	211	240	0	281	190	233	0	292	187	230	0	259	193	0	0	0	0	0	0
1300	74	0	70	0	89	0	96	0	0	0	0	0	273	0	318	226	266	0	323	186	261	0	296	235	259	0	291	234	0	0	0	0	0	0
1400	65	0	60	0	111	0	117	0	0	0	0	0	310	0	351	263	300	0	355	242	304	0	320	292	297	0	314	285	0	0	0	0	0	0
1500	45	0	42	0	95	0	100	0	0	0	0	0	308	0	345	266	298	0	335	254	303	0	313	298	296	0	304	290	0	0	0	0	0	0
1600	143	0	141	0	213	0	223	0	0	0	0	0	274	0	302	251	267	0	302	227	270	0	302	248	266	0	285	246	0	0	0	0	0	0
1700	109	0	104	0	162	0	173	0	0	0	0	0	255	0	290	217	244	0	294	195	257	0	278	222	254	0	277	231	0	0	0	0	0	0
1800	28	0	25	0	27	0	27	0	0	0	0	0	117	0	174	53	111	3	172	45	160	3	236	97	164	3	267	92	0	0	0	0	0	0
1900	32	0	30	0	40	0	44	0	0	0	0	0	244	0	270	205	239	0	263	199	260	0	292	240	258	0	276	229	0	0	0	0	0	0
2000	50	0	48	0	58	0	63	0	0	0	0	0	258	0	286	236	255	0	281	228	274	0	291	249	271	0	292	257	0	0	0	0	0	0
2100	82	0	80	0	102	0	109	0	0	0	0	0	239	0	256	203	235	0	261	183	242	0	257	233	240	0	257	228	0	0	0	0	0	0
2200	66	0	62	0	92	0	98	0	0	0	0	0	238	0	263	210	233	0	265	173	242	0	247	233	241	0	245	234	0	0	0	0	0	0
2300	72	0	72	0	102	0	108	0	0	0	0	0	250	0	265	229	247	0	263	217	259	0	267	245	257	0	262	245	0	0	0	0	0	0
2400	92	0	89	0	138	0	146	0	0	0	0	0	245	0	264	221	241	0	274	215	256	0	267	246	254	0	265	245	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PAIN	S
100	748	0	743	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	478	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	725	0	718	0	315	2	315	2	320	0	320	0	29	0	29	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	720	0	714	0	315	2	315	2	320	0	320	0	25	0	25	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	725	0	718	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	700	2	696	2	315	2	315	2	320	0	320	0	-23	2	-27	2	0	0	0	0	441	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	747	0	741	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	324	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	662	0	657	0	315	2	315	2	320	0	320	1	-4	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	705	0	700	0	315	2	315	2	320	0	320	0	23	0	23	0	0	0	0	0	477	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	714	0	711	0	315	2	315	2	320	0	320	0	-25	0	-27	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	761	0	757	0	315	2	315	2	320	0	320	0	-14	0	-16	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	835	0	831	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	819	0	813	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	795	0	792	0	315	2	315	2	320	0	320	0	-43	0	-43	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	774	0	768	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	747	0	741	0	315	2	315	2	320	0	320	0	14	0	14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	675	0	669	0	315	2	315	2	320	0	320	0	25	0	23	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	644	0	639	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	478	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	667	0	660	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	714	0	711	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	673	0	667	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	651	0	644	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	478	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	667	0	642	0	315	2	315	2	320	0	320	0	18	0	18	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	678	0	673	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	675	0	669	0	315	2	315	2	320	0	320	0	27	0	27	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	92	0	90	0	146	0	155	0	0	0	0	0	248	0	272	215	243	0	271	209	269	0	275	298	262	0	71	297	0	0	0
200	78	0	75	0	139	0	141	0	0	0	0	0	262	0	296	236	258	0	306	227	276	0	296	297	273	0	285	257	0	0	0
300	56	0	51	0	97	0	95	0	0	0	0	0	330	0	30	288	327	0	29	278	333	0	9	299	330	0	9	295	0	0	0
400	63	0	60	0	89	0	87	0	0	0	0	0	12	0	72	329	5	0	82	308	7	0	91	320	9	0	98	318	0	0	0
500	76	0	79	0	131	0	131	0	0	0	0	0	47	0	69	30	42	0	80	19	37	0	52	23	39	0	51	15	0	0	0
600	82	0	80	0	105	0	105	0	0	0	0	0	38	0	70	15	30	0	80	352	39	0	67	1	28	0	56	348	0	0	0
700	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0
800	108	0	109	0	150	0	149	0	0	0	0	0	39	0	83	352	28	0	121	349	27	0	58	343	29	0	60	352	0	0	0
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	2
1000	152	0	149	0	203	0	200	0	0	0	0	0	39	0	82	0	27	0	69	352	20	0	49	355	16	0	37	353	0	0	0
1100	86	0	89	0	130	0	128	0	0	0	0	0	19	0	92	316	11	0	105	303	8	0	50	305	0	0	39	289	0	0	0
1200	103	0	96	0	143	0	142	0	0	0	0	0	348	0	49	293	349	0	99	281	353	0	32	319	347	0	29	313	0	0	0
1300	82	0	82	0	129	0	125	0	0	0	0	0	349	0	71	282	341	0	103	282	357	0	49	326	351	0	30	313	0	0	0
1400	75	0	75	0	109	0	109	0	0	0	0	0	336	0	79	275	332	0	81	278	349	0	32	297	339	0	18	303	0	0	0
1500	99	0	90	0	120	0	122	0	0	0	0	0	336	0	50	273	326	0	9	281	336	0	10	279	332	0	9	292	0	0	0
1600	99	0	90	0	127	0	129	0	0	0	0	0	335	0	29	279	338	0	23	276	336	0	359	297	330	0	357	290	0	0	0
1700	90	0	87	0	119	0	120	0	0	0	0	0	329	0	29	273	316	0	349	236	335	0	18	302	329	0	355	286	0	0	0
1800	98	0	96	0	78	0	78	0	0	0	0	0	10	0	90	290	18	0	158	305	7	0	98	299	9	0	101	273	0	0	0
1900	80	0	75	0	111	0	111	0	0	0	0	0	349	0	90	284	343	0	48	293	355	0	21	315	349	0	12	308	0	0	0
2000	87	0	86	0	146	0	143	0	0	0	0	0	29	0	71	341	21	0	89	310	10	0	49	337	3	0	42	329	0	0	0
2100	102	0	98	0	142	0	139	0	0	0	0	0	37	0	71	9	26	0	57	353	20	0	41	359	18	0	37	359	0	0	0
2200	72	0	71	0	110	0	108	0	0	0	0	0	42	0	65	17	39	0	91	3	32	0	59	12	29	0	63	10	0	0	0
2300	42	0	45	0	71	0	83	0	0	0	0	0	73	0	105	46	69	0	116	38	54	0	66	43	53	0	67	40	0	0	0
2400	41	0	39	0	78	0	89	0	0	0	0	0	80	0	103	53	79	0	106	38	57	0	69	46	57	0	65	56	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	675	0	669	0	315	2	315	2	320	0	320	0	32	0	32	0	0	0	0	0	478	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	651	0	646	0	315	2	315	2	320	0	320	0	29	0	31	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	628	0	621	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	581	0	574	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	565	0	558	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	478	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	577	0	572	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	599	0	594	0	315	2	315	2	320	0	320	0	-14	0	-14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	599	0	595	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	597	0	592	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	572	0	568	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	579	0	576	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	541	0	536	0	315	2	315	2	320	0	320	0	-41	0	-41	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	558	0	552	0	315	2	315	2	320	0	320	0	-47	0	-49	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	565	0	559	0	315	2	315	2	320	0	320	0	-56	0	-54	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	552	0	547	0	315	2	315	2	320	0	320	0	-56	0	-54	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	543	0	538	0	315	2	315	2	320	0	320	0	-50	0	-49	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	543	0	538	0	315	2	315	2	320	0	320	0	-43	0	-41	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	540	0	534	0	315	2	315	2	320	0	320	0	-34	0	-32	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	538	0	532	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	505	0	498	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	504	0	498	0	315	2	315	2	320	0	320	0	-4	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	507	0	500	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	493	0	486	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	509	0	502	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	59	0	57	0	89	0	105	0	0	0	0	0	84	0	110	48	92	0	117	48	62	0	79	40	61	0	75	37	0	0	0	0	0	0	
200	46	0	46	0	89	0	97	0	0	0	0	0	53	0	81	30	46	0	95	23	45	0	58	31	43	0	57	26	0	0	0	0	0	0	
300	47	0	48	0	80	0	98	0	0	0	0	0	75	0	92	54	69	0	103	37	68	0	75	58	68	0	74	58	0	0	0	0	0	0	
400	85	0	77	0	149	0	151	0	0	0	0	0	112	0	127	99	111	0	135	81	102	0	112	95	103	0	111	96	0	0	0	0	0	0	
500	119	0	106	0	176	0	179	0	0	0	0	0	120	0	133	109	121	0	140	95	118	0	124	111	120	0	126	113	0	0	0	0	0	0	
600	123	0	113	0	189	0	187	0	0	0	0	0	115	0	128	100	114	0	150	83	111	0	120	101	113	0	123	102	0	0	0	0	0	0	
700	115	0	108	0	150	0	153	0	0	0	0	0	119	0	145	102	121	0	162	91	118	0	136	95	121	0	142	102	0	0	0	0	0	0	
800	103	0	101	0	134	0	141	0	0	0	0	0	120	0	137	97	122	0	160	83	122	0	140	92	124	0	146	103	0	0	0	0	0	0	
900	82	0	79	0	104	0	108	0	0	0	0	0	118	0	172	72	115	0	161	60	121	0	150	74	123	0	146	73	0	0	0	0	0	0	
1000	74	0	73	0	91	0	93	0	0	0	0	0	124	0	169	87	124	0	175	78	125	0	157	88	126	0	152	89	0	0	0	0	0	0	
1100	82	0	77	0	102	0	104	0	0	0	0	0	111	0	170	73	112	0	170	66	105	0	136	70	107	0	140	72	0	0	0	0	0	0	
1200	62	0	61	0	85	0	90	0	0	0	0	0	115	0	175	66	112	0	175	49	122	0	161	79	123	0	179	69	0	0	0	0	0	0	
1300	21	0	22	0	41	0	42	0	0	0	0	0	266	3	358	183	265	3	354	184	26	0	179	270	23	0	177	284	0	0	0	0	0	0	
1400	47	0	44	0	53	0	53	0	0	0	0	0	334	0	41	270	333	0	74	270	359	0	51	303	352	0	68	298	0	0	0	0	0	0	
1500	52	0	50	0	68	0	69	0	0	0	0	0	24	0	85	316	17	0	84	292	7	0	45	294	23	0	40	297	0	0	0	0	0	0	
1600	61	0	61	0	87	0	88	0	0	0	0	0	34	0	77	356	27	0	93	331	21	0	47	346	18	0	40	338	0	0	0	0	0	0	
1700	44	0	45	0	58	0	59	0	0	0	0	0	43	0	78	351	40	0	127	0	32	0	69	5	29	0	55	357	0	0	0	0	0	0	
1800	24	0	23	0	31	0	34	0	0	0	0	0	27	3	118	296	24	3	105	308	31	0	71	351	28	0	63	343	0	0	0	0	0	0	
1900	0	4	7	0	68	2	69	2	0	0	0	0	287	0	352	197	284	3	356	195	206	0	353	91	182	0	267	98	0	0	0	0	0	0	
2000	53	0	52	0	84	0	88	0	0	0	0	0	129	0	174	101	129	0	162	59	136	0	153	123	139	0	156	116	0	0	0	0	0	0	
2100	39	0	37	0	81	0	85	0	0	0	0	0	135	0	181	98	136	0	211	104	146	0	155	134	149	0	157	138	0	0	0	0	0	0	
2200	35	0	32	0	61	0	66	0	0	0	0	0	119	0	135	101	121	0	139	81	131	0	140	120	134	0	147	126	0	0	0	0	0	0	
2300	61	0	57	0	90	0	96	0	0	0	0	0	124	0	133	115	128	0	138	105	128	0	134	118	131	0	137	121	0	0	0	0	0	0	
2400	123	0	121	0	151	0	161	0	0	0	0	0	123	0	146	106	123	0	163	93	125	0	142	95	128	0	144	102	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	509	0	502	0	315	2	315	2	320	0	320	0	25	0	29	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	523	0	520	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	523	0	516	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	527	0	522	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	538	0	532	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	552	0	547	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	441	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	579	0	568	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	324	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	595	0	590	0	315	2	315	2	320	0	320	1	-13	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	635	0	631	0	315	2	315	2	320	0	320	0	-20	0	-22	0	0	0	0	0	441	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	658	0	655	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	324	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	671	0	667	0	315	2	315	2	320	0	320	0	-22	0	-23	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	712	0	711	0	315	2	315	2	320	0	320	0	-34	0	-38	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	718	0	716	0	315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	712	0	709	0	315	2	315	2	320	0	320	0	-49	0	-47	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	667	0	664	0	315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	648	0	644	0	315	2	315	2	320	0	320	0	-18	0	-20	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	662	0	658	0	315	2	315	2	320	0	320	0	-20	0	-22	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	693	0	689	0	315	2	315	2	320	0	320	0	-23	0	-25	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	675	0	667	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	680	0	673	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	666	0	658	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	653	0	646	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	651	0	644	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	651	0	646	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	115	0	114	0	152	0	160	0	0	0	0	0	124	0	146	104	126	0	162	87	129	0	150	116	132	0	149	120	0	0	0	0	0	0
200	124	0	118	0	152	0	158	0	0	0	0	0	121	0	139	99	121	0	158	82	118	0	132	94	122	0	136	98	0	0	0	0	0	0
300	128	0	126	0	149	0	157	0	0	0	0	0	123	0	142	110	125	0	168	90	125	0	139	113	127	0	143	114	0	0	0	0	0	0
400	106	0	106	0	163	0	167	0	0	0	0	0	128	0	170	101	127	0	169	88	138	0	156	122	140	0	155	127	0	0	0	0	0	0
500	133	0	135	0	176	0	184	0	0	0	0	0	125	0	153	113	127	0	150	104	127	0	142	112	130	0	145	118	0	0	0	0	0	0
600	116	0	116	0	167	0	171	0	0	0	0	0	125	0	142	105	127	0	169	101	134	0	151	123	137	0	151	119	0	0	0	0	0	0
700	88	0	90	0	124	0	128	0	0	0	0	0	124	0	175	103	125	0	161	93	134	0	150	119	137	0	152	115	0	0	0	0	0	0
800	78	0	77	0	142	0	146	0	0	0	0	0	133	0	176	99	135	0	183	94	147	0	162	125	150	0	170	132	0	0	0	0	0	0
900	101	0	103	0	162	0	163	0	0	0	0	0	130	0	166	105	128	0	172	85	139	0	153	121	142	0	158	121	0	0	0	0	0	0
1000	92	0	93	0	151	0	151	0	0	0	0	0	129	0	151	105	129	0	169	90	142	0	168	123	144	0	160	121	0	0	0	0	0	0
1100	91	0	88	0	126	0	130	0	0	0	0	0	125	0	146	105	125	0	177	91	132	0	150	115	139	0	147	118	0	0	0	0	0	0
1200	90	0	91	0	136	0	141	0	0	0	0	0	129	0	169	99	129	0	172	80	138	0	161	123	141	0	152	129	0	0	0	0	0	0
1300	85	0	90	0	131	0	134	0	0	0	0	0	139	0	182	106	141	0	183	104	145	0	162	130	147	0	163	129	0	0	0	0	0	0
1400	75	0	76	0	99	0	104	0	0	0	0	0	135	0	189	100	139	0	186	101	139	0	172	112	142	0	175	108	0	0	0	0	0	0
1500	63	0	62	0	120	0	123	0	0	0	0	0	131	0	179	20	130	0	176	19	149	0	180	117	152	0	179	117	0	0	0	0	0	0
1600	49	0	45	0	89	0	90	0	0	0	0	0	149	0	233	92	151	0	243	91	160	0	200	109	160	0	212	112	0	0	0	0	0	0
1700	53	0	53	0	84	0	86	0	0	0	0	0	159	0	247	111	155	0	230	110	161	0	213	128	163	0	208	125	0	0	0	0	0	0
1800	52	0	50	0	91	0	96	0	0	0	0	0	145	0	196	108	143	0	204	92	152	0	172	137	154	0	175	131	0	0	0	0	0	0
1900	79	0	79	0	137	0	141	0	0	0	0	0	134	0	171	101	135	0	195	95	142	0	161	123	145	0	163	127	0	0	0	0	0	0
2000	77	0	76	0	147	0	153	0	0	0	0	0	131	0	160	99	133	0	174	67	146	0	162	132	149	0	161	134	0	0	0	0	0	0
2100	84	0	82	0	152	0	159	0	0	0	0	0	132	0	157	112	131	0	172	71	146	0	160	126	148	0	166	132	0	0	0	0	0	0
2200	81	0	77	0	160	0	164	0	0	0	0	0	139	0	173	113	138	0	178	94	151	0	188	133	154	0	169	137	0	0	0	0	0	0
2300	89	0	85	0	170	0	173	0	0	0	0	0	148	0	189	99	146	0	181	90	162	0	183	146	164	0	179	145	0	0	0	0	0	0
2400	74	0	70	0	169	0	151	0	0	0	0	0	166	0	221	94	166	0	254	113	173	0	212	131	175	0	203	143	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	639	0	633	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	628	0	622	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	619	0	613	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	613	0	608	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	612	0	606	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	615	0	610	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	617	0	612	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	622	0	619	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	604	0	599	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	613	0	610	0	315	2	315	2	320	0	320	0	-11	0	-11	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	1	0	0	2
1100	622	0	619	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	649	0	644	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	682	0	680	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	723	0	720	0	315	2	315	2	320	0	320	0	-19	0	-16	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	763	0	759	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	788	0	784	0	315	2	315	2	320	0	320	0	-32	0	-34	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	799	0	795	0	315	2	315	2	320	0	320	0	-22	0	-23	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	781	0	775	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	768	0	763	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	763	0	756	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	747	0	739	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	732	0	725	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	729	0	723	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	738	0	732	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	S	MIN	MAX	S	WIND DIR4 150B	S	MIN	MAX	S	WIND DIR5	S	MIN	MAX	S	WIND DIR6	S
100	67	0	59	0	157	0	134	0	0	0	0	0	189	0	258	127	186	0	250	92	193	0	216	164	191	0	224	164	0	0	0	0	0	0	0	0	0	0
200	106	0	90	0	173	0	153	0	0	0	0	0	217	0	260	148	214	0	262	121	209	0	238	179	210	0	246	186	0	0	0	0	0	0	0	0	0	0
300	120	0	109	0	193	0	193	0	0	0	0	0	234	0	275	201	234	0	311	187	225	0	256	191	224	0	246	180	0	0	0	0	0	0	0	0	0	0
400	141	0	137	0	227	0	234	0	0	0	0	0	239	0	271	194	235	0	278	187	229	0	257	195	227	0	257	193	0	0	0	0	0	0	0	0	0	0
500	139	0	133	0	214	0	216	0	0	0	0	0	236	0	265	207	232	0	268	167	229	0	268	203	226	0	258	197	0	0	0	0	0	0	0	0	0	0
600	116	0	111	0	189	0	191	0	0	0	0	0	235	0	267	200	235	0	275	184	227	0	260	200	225	0	250	201	0	0	0	0	0	0	0	0	0	0
700	132	0	128	0	203	0	211	0	0	0	0	0	239	0	265	201	235	0	267	175	230	0	246	209	229	0	249	207	0	0	0	0	0	0	0	0	0	0
800	138	0	136	0	214	0	223	0	0	0	0	0	243	0	273	220	240	0	274	204	236	0	273	208	234	0	252	214	0	0	0	0	0	0	0	0	0	0
900	129	0	126	0	200	0	208	0	0	0	0	0	241	0	275	209	238	0	298	185	237	0	267	208	234	0	260	212	0	0	0	0	0	0	0	0	0	0
1000	92	0	99	0	91	0	78	0	0	0	0	0	185	0	255	111	182	0	262	97	190	0	229	164	189	0	213	163	0	0	0	0	0	0	0	0	0	0
1100	150	0	149	0	235	0	251	0	0	0	0	0	244	0	276	207	242	0	283	205	243	0	265	217	240	0	257	213	0	0	0	0	0	0	0	0	0	0
1200	126	0	117	0	198	0	210	0	0	0	0	0	242	0	283	206	240	0	284	183	239	0	263	208	237	0	260	212	0	0	0	0	0	0	0	0	0	0
1300	123	0	125	0	176	0	187	0	0	0	0	0	247	0	278	215	247	0	279	219	242	0	268	206	238	0	262	209	0	0	0	0	0	0	0	0	0	0
1400	73	0	0	2	152	0	0	2	0	2	0	2	242	0	225	261	0	2	0	0	240	0	221	266	0	2	0	0	0	2	0	0	0	0	0	0	0	2
1500	88	0	0	2	125	0	0	2	0	2	0	2	249	0	226	262	0	2	0	0	241	0	225	260	0	2	0	0	0	2	0	0	0	0	0	0	0	2
1600	80	0	0	2	132	0	0	2	0	2	0	2	245	0	217	262	0	2	0	0	244	0	221	264	0	2	0	0	0	2	0	0	0	0	0	0	0	2
1700	80	0	0	2	142	0	0	2	0	2	0	2	243	0	215	266	0	2	0	0	241	0	225	255	0	2	0	0	0	2	0	0	0	0	0	0	0	2
1800	75	0	0	2	130	0	0	2	0	2	0	2	240	0	216	258	0	2	0	0	236	0	204	258	0	2	0	0	0	2	0	0	0	0	0	0	0	2
1900	65	0	0	2	127	0	0	2	0	2	0	2	237	0	213	258	0	2	0	0	234	0	212	241	0	2	0	0	0	2	0	0	0	0	0	0	0	2
2000	11	0	0	2	61	0	0	2	0	2	0	2	352	0	330	7	0	2	0	0	311	0	295	332	0	2	0	0	0	2	0	0	0	0	0	0	0	2
2100	19	0	0	2	75	0	0	2	0	2	0	2	235	0	216	246	0	2	0	0	234	0	233	240	0	2	0	0	0	2	0	0	0	0	0	0	0	2
2200	50	0	0	2	134	0	0	2	0	2	0	2	235	0	217	253	0	2	0	0	234	0	228	242	0	2	0	0	0	2	0	0	0	0	0	0	0	2
2300	150	0	0	2	211	0	0	2	0	2	0	2	241	0	226	257	0	2	0	0	233	0	214	241	0	2	0	0	0	2	0	0	0	0	0	0	0	2
2400	136	0	0	2	227	0	0	2	0	2	0	2	241	0	225	261	0	2	0	0	240	0	219	253	0	2	0	0	0	2	0	0	0	0	0	0	0	2

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	750	0	745	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	777	0	772	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	779	0	774	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	759	0	754	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	756	0	750	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	756	0	750	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	756	0	750	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	759	0	748	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	772	0	766	0	315	2	315	2	320	0	320	0	-7	0	-5	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	730	0	725	0	168	0	247	0	320	0	320	0	-18	0	-20	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	790	0	784	0	315	2	315	2	320	0	320	0	2	0	4	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	811	0	806	0	315	2	315	2	320	0	320	0	-2	0	0	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	828	0	822	0	315	2	315	2	320	0	320	0	-4	0	-2	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	836	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	839	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	849	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	863	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	860	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	860	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	759	0	0	2	0	2	0	2	0	2	0	2	40	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	798	0	0	2	0	2	0	2	0	2	0	2	22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	792	0	0	2	0	2	0	2	0	2	0	2	11	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	805	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	802	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	102	0	0	2	200	0	0	2	0	2	0	2	249	0	221	264	0	2	0	0	233	0	213	250	0	2	0	0	0	2	0	0	0	2
200	117	0	0	2	196	0	0	2	0	2	0	2	245	0	226	260	0	2	0	0	237	0	212	249	0	2	0	0	0	2	0	0	0	2
300	98	0	0	2	196	0	0	2	0	2	0	2	246	0	226	261	0	2	0	0	242	0	221	258	0	2	0	0	0	2	0	0	0	2
400	130	0	0	2	236	0	0	2	0	2	0	2	248	0	233	268	0	2	0	0	241	0	225	249	0	2	0	0	0	2	0	0	0	2
500	96	0	0	2	80	0	0	2	0	2	0	2	313	0	290	329	0	2	0	0	290	0	266	312	0	2	0	0	0	2	0	0	1	2
600	11	0	16	0	35	0	37	0	0	0	0	0	265	0	341	180	264	3	354	181	324	0	16	274	315	0	353	271	0	0	0	0	0	0
700	29	0	32	0	71	0	63	0	0	0	0	0	152	0	219	96	153	0	233	90	174	0	213	140	175	0	297	154	0	0	0	0	0	0
800	41	0	39	0	89	0	77	0	0	0	0	0	193	0	257	106	184	0	267	91	188	0	232	102	186	0	243	123	0	0	0	0	0	0
900	101	0	94	0	136	0	136	0	0	0	0	0	229	0	263	148	227	0	269	130	223	0	274	185	220	0	268	181	0	0	0	0	0	1
1000	135	0	141	0	193	0	203	0	0	0	0	0	246	0	268	217	241	0	276	199	241	0	262	210	238	0	252	217	0	0	0	0	0	0
1100	139	0	139	0	224	0	232	0	0	0	0	0	248	0	271	226	244	0	282	213	254	0	259	236	251	0	265	224	0	0	0	0	0	0
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1500	48	0	52	0	90	0	95	0	0	0	0	0	301	0	347	202	296	0	359	227	321	0	5	291	313	0	346	278	0	0	0	0	1	1
1600	58	0	61	0	98	0	100	0	0	0	0	0	307	0	348	232	299	0	359	211	327	0	351	296	318	0	352	279	0	0	0	0	0	0
1700	28	0	33	0	71	0	72	0	0	0	0	0	305	0	356	248	293	0	356	205	329	0	347	281	322	0	349	284	0	0	0	0	0	0
1800	19	0	23	0	23	0	23	0	0	0	0	0	295	3	357	233	290	3	347	207	349	3	166	297	349	3	158	279	0	0	0	0	0	1
1900	17	0	22	0	32	0	33	0	0	0	0	0	349	3	66	270	344	3	42	272	349	0	103	315	341	0	61	299	0	0	0	0	0	1
2000	20	0	26	0	19	0	21	0	0	0	0	0	223	5	237	207	220	0	237	209	227	0	250	202	223	0	255	191	0	0	0	0	0	0
2100	35	0	32	0	29	0	32	0	0	0	0	0	222	0	232	208	218	0	231	203	242	0	251	230	239	0	248	226	0	0	0	0	0	1
2200	38	0	38	0	38	0	41	0	0	0	0	0	227	0	242	220	224	0	238	210	241	0	248	239	239	0	243	235	0	0	0	0	0	0
2300	47	0	51	0	67	0	70	0	0	0	0	0	248	0	262	234	243	0	258	223	260	0	263	256	258	0	260	252	0	0	0	0	0	0
2400	64	0	69	0	97	0	102	0	0	0	0	0	251	0	277	240	248	0	275	226	262	0	265	258	259	0	262	255	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	775	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	751	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	758	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	754	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	652	0	0	2	0	2	0	2	0	2	0	2	8	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	667	0	662	0	169	2	242	2	320	0	320	0	13	0	13	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	698	0	693	0	175	2	254	2	320	0	320	0	-7	0	-7	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	756	0	752	0	179	2	256	2	320	0	320	0	-22	0	-22	0	0	0	0	0	469	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	783	0	777	0	175	2	252	2	320	0	320	0	-14	0	-14	0	0	0	0	0	464	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	777	0	772	0	177	2	254	2	320	0	320	0	-7	0	-5	0	0	0	0	0	466	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1100	736	0	729	0	184	2	261	2	320	0	320	0	27	0	29	0	0	0	0	0	475	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	707	0	703	0	175	2	256	2	320	0	320	0	-54	0	-54	0	000		0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	738	0	732	0	189	2	269	2	320	0	320	0	-49	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	745	0	743	0	225	2	303	2	320	0	320	0	-40	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	761	0	757	0	209	2	287	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	768	0	765	0	225	2	303	2	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	729	0	721	0	229	2	306	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	729	0	721	0	166	2	243	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	729	0	721	0	196	2	227	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2300	729	0	723	0	152	2	233	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	703	0	696	0	137	2	220	2	320	0	320	0	32	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S		MIN	MAX	WIND DIR6 S	
100	70	0	74	0	95	0	100	0	0	0	0	0	253	0	269	229	249	0	272	212	264	0	270	251	260	0	266	248	0	0	0	0	0	0
200	46	0	50	0	104	0	108	0	0	0	0	0	293	0	326	267	287	0	320	259	308	0	316	295	301	0	309	287	0	0	0	0	0	0
300	49	0	53	0	77	0	77	0	0	0	0	0	318	0	345	269	313	0	348	251	339	0	2	297	333	0	357	285	0	0	0	0	0	0
400	54	0	57	0	117	0	114	0	0	0	0	0	348	0	6	329	341	0	5	307	358	0	5	352	353	0	358	347	0	0	0	0	0	0
500	28	0	34	0	48	0	48	0	0	0	0	0	325	0	5	289	320	0	4	272	352	0	13	321	346	0	8	307	0	0	0	0	0	0
600	14	0	20	0	33	0	32	0	0	0	0	0	336	3	19	294	331	3	24	293	13	0	29	348	9	0	26	338	0	0	0	0	0	0
700	30	0	35	0	38	0	40	0	0	0	0	0	313	0	358	242	312	0	12	274	310	0	343	269	304	0	342	261	0	0	0	0	0	1
800	0	2	0	2	5	0	0	2	0	2	0	2	318	0	289	338	0	2	0	0	279	0	253	307	0	2	0	0	0	2	0	0	0	2
900	0	2	0	2	27	0	0	2	0	2	0	2	263	0	234	279	0	2	0	0	264	0	252	287	0	2	0	0	0	2	0	0	0	2
1000	0	2	0	2	46	0	0	2	0	2	0	2	243	0	227	277	0	2	0	0	279	0	261	300	0	2	0	0	0	2	0	0	0	2
1100	0	2	0	2	23	0	0	2	0	2	0	2	314	0	290	330	0	2	0	0	297	0	271	327	0	2	0	0	0	2	0	0	0	2
1200	0	2	0	2	38	0	0	2	0	2	0	2	290	0	271	308	0	2	0	0	308	0	272	388	0	2	0	0	0	2	0	0	0	2
1300	0	2	0	2	50	0	0	2	0	2	0	2	285	0	252	304	0	2	0	0	299	0	276	313	0	2	0	0	0	2	0	0	0	2
1400	0	2	0	2	25	0	0	2	0	2	0	2	322	0	295	340	0	2	0	0	327	0	297	354	0	2	0	0	0	2	0	0	0	2
1500	34	0	39	0	60	0	59	0	0	0	0	0	29	0	178	285	15	0	132	285	7	0	61	294	5	0	69	294	0	0	0	0	0	0
1600	71	0	75	0	101	0	99	0	0	0	0	0	35	0	78	346	29	0	87	305	23	0	53	348	19	0	48	349	0	0	0	0	0	0
1700	59	0	65	0	87	0	86	0	0	0	0	0	33	0	84	332	28	0	84	353	23	0	48	328	20	0	53	339	0	0	0	0	0	0
1800	119	0	121	0	171	0	167	0	0	0	0	0	35	0	54	8	30	0	79	354	36	0	56	18	32	0	54	13	0	0	0	0	0	1
1900	91	0	97	0	150	0	147	0	0	0	0	0	41	0	69	15	34	0	80	339	37	0	57	15	34	0	56	16	0	0	0	0	0	0
2000	62	0	68	0	111	0	114	0	0	0	0	0	48	0	72	30	43	0	93	15	43	0	64	25	40	0	65	24	0	0	0	0	0	0
2100	100	0	106	0	158	0	155	0	0	0	0	0	42	0	74	16	35	0	83	5	32	0	51	10	28	0	53	5	0	0	0	0	0	0
2200	88	0	90	0	150	0	147	0	0	0	0	0	41	0	67	24	36	0	80	5	38	0	58	18	34	0	55	17	0	0	0	0	0	0
2300	94	0	93	0	146	0	144	0	0	0	0	0	36	0	64	13	30	0	73	1	32	0	51	18	28	0	58	10	0	0	0	0	0	0
2400	82	0	89	0	129	0	135	0	0	0	0	0	49	0	88	31	43	0	79	12	45	0	61	24	42	0	65	19	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	698	0	693	0	139	2	224	2	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	682	0	676	0	141	2	225	2	320	0	320	0	36	0	38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	667	0	662	0	150	2	239	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	658	0	651	0	143	2	227	2	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	633	0	626	0	146	2	229	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	637	0	630	0	168	2	247	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	649	0	644	0	164	2	243	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	649	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	652	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	65[illegible]	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	659	0	0	2	0	2	0	2	0	2	0	2	-48	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	673	0	0	2	0	2	0	2	0	2	0	2	-45	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	673	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	683	0	0	2	0	2	0	2	0	2	0	2	-56	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	709	0	707	0	175	2	252	2	320	0	320	0	-38	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	736	0	734	0	186	2	263	2	320	0	320	0	-40	0	-43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	738	0	736	0	200	2	278	2	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	720	0	716	0	186	2	263	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	714	0	709	0	186	2	263	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	678	0	671	0	180	2	258	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	684	0	676	0	168	2	245	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	669	0	662	0	170	2	249	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	671	0	666	0	173	2	254	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	673	0	667	0	137	2	222	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
														50 B				150A				150B												
100	48	0	55	0	88	0	102	0	0	0	0	0	57	0	89	39	52	0	89	26	54	0	69	99	53	0	69	99	0	0	0	0	0	0
200	55	0	58	0	99	0	97	0	0	0	0	0	39	0	83	3	28	0	70	351	38	0	72	358	35	0	61	356	0	0	0	0	0	0
300	60	0	72	0	112	0	131	0	0	0	0	0	67	0	82	52	65	0	95	38	65	0	72	55	65	0	73	55	0	0	0	0	0	0
400	69	0	78	0	119	0	139	0	0	0	0	0	76	0	99	61	71	0	95	49	68	0	78	57	67	0	78	57	0	0	0	0	0	0
500	85	0	85	0	146	0	140	0	0	0	0	0	91	0	107	79	91	0	107	69	89	0	91	77	83	0	89	78	0	0	0	0	0	0
600	63	0	69	0	117	0	119	0	0	0	0	0	81	0	99	51	77	0	103	27	78	0	92	59	78	0	89	55	0	0	0	0	0	0
700	67	0	70	0	96	0	99	0	0	0	0	0	91	0	122	68	89	0	128	59	81	0	105	69	82	0	103	69	0	0	0	0	0	0
800	59	0	0	2	57	0	0	2	0	2	0	2	92	0	71	118	0	2	0	0	109	0	87	123	0	2	0	0	0	2	0	0	0	2
900	48	0	0	2	30	0	0	2	0	2	0	2	107	0	75	138	0	2	0	0	79	0	51	110	0	2	0	0	0	2	0	0	0	2
1000	48	0	0	2	32	0	0	2	0	2	0	2	9	0	329	50	0	2	0	0	354	0	298	35	0	2	0	0	0	2	0	0	0	2
1100	57	0	0	2	38	0	0	2	0	2	0	2	7	0	325	36	0	2	0	0	18	0	325	51	0	2	0	0	0	2	0	0	0	2
1200	125	0	0	2	90	0	0	2	0	2	0	2	21	0	349	46	0	2	0	0	29	0	3	60	0	2	0	0	0	2	0	0	0	2
1300	142	0	0	2	90	0	0	2	0	2	0	2	23	0	2	35	0	2	0	0	36	0	358	55	0	2	0	0	0	2	0	0	0	2
1400	122	0	121	0	172	0	166	0	0	0	0	0	28	0	71	356	23	0	101	337	19	0	43	356	17	0	45	353	0	0	0	0	0	1
1500	112	0	111	0	169	0	161	0	0	0	0	0	29	0	69	348	21	0	93	328	15	0	45	337	12	0	42	339	0	0	0	0	1	1
1600	119	0	119	0	171	0	169	0	0	0	0	0	27	0	71	350	23	0	79	335	20	0	50	339	15	0	35	341	0	0	0	0	0	0
1700	105	0	107	0	144	0	140	0	0	0	0	0	31	0	60	357	27	0	79	359	27	0	50	3	22	0	43	354	0	0	0	0	0	0
1800	109	0	113	0	165	0	159	0	0	0	0	0	37	0	65	22	32	0	81	353	34	0	52	20	30	0	47	15	0	0	0	0	0	0
1900	75	0	80	0	119	0	122	0	0	0	0	0	43	0	79	28	38	0	91	3	40	0	76	17	36	0	72	6	0	0	0	0	0	0
2000	60	0	70	0	109	0	119	0	0	0	0	0	56	0	80	33	50	0	93	5	48	0	62	30	47	0	66	29	0	0	0	1	0	0
2100	77	0	82	0	143	0	158	0	0	0	0	0	84	0	108	68	83	0	117	58	74	0	84	61	73	0	79	63	0	0	0	0	0	0
2200	89	0	93	0	160	0	157	0	0	0	0	0	94	0	107	87	92	0	115	72	94	0	103	89	94	0	102	89	0	0	0	0	0	0
2300	97	0	102	0	177	0	175	0	0	0	0	0	99	0	113	88	97	0	120	72	98	0	100	95	99	0	102	96	0	0	0	0	0	0
2400	99	0	100	0	168	0	166	0	0	0	0	0	106	0	121	90	105	0	140	73	99	0	113	87	100	0	116	89	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	658	0	653	0	137	2	222	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	658	0	651	0	137	2	220	2	320	0	320	0	19	0	19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	633	0	626	0	139	2	218	2	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	626	0	621	0	135	2	222	2	320	0	320	0	29	0	31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
500	629	0	617	0	148	2	233	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	619	0	612	0	159	2	240	2	320	0	320	0	19	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	642	0	637	0	173	2	252	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	707	0	0	2	0	2	0	2	0	2	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	751	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	737	0	0	2	0	2	0	2	0	2	0	2	-37	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	749	0	0	2	0	2	0	2	0	2	0	2	-37	0	0	2	0	2	0	2	[illegible]	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	741	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	741	0	0	2	0	2	0	2	0	2	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	748	0	745	0	171	2	249	2	320	0	320	0	-29	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1500	709	0	705	0	169	2	242	2	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	716	0	714	0	150	2	227	2	320	0	320	0	-27	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	720	0	718	0	162	2	240	2	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	703	0	698	0	279	2	358	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	718	0	714	0	287	2	363	2	320	0	320	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	712	0	707	0	287	2	363	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	694	0	689	0	281	2	360	2	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	705	0	700	0	281	2	361	2	320	0	320	0	57	0	54	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	707	0	702	0	281	2	363	2	320	0	320	0	36	0	36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	694	0	689	0	261	2	345	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	110	0	106	0	165	0	165	0	0	0	0	0	118	0	131	94	117	0	136	90	112	0	121	102	119	0	123	102	0	0	0	0	0	0
200	112	0	106	0	166	0	169	0	0	0	0	0	117	0	126	101	120	0	149	81	118	0	129	112	120	0	126	112	0	0	0	0	0	0
300	111	0	109	0	170	0	171	0	0	0	0	0	115	0	130	97	117	0	141	84	112	0	115	109	113	0	116	108	0	0	0	0	0	0
400	109	0	108	0	183	0	182	0	0	0	0	0	114	0	130	91	115	0	147	80	108	0	118	97	110	0	117	102	0	0	0	0	0	0
500	106	0	105	0	170	0	171	0	0	0	0	0	114	0	126	98	116	0	138	92	116	0	126	106	117	0	125	106	0	0	0	0	0	0
600	100	0	96	0	141	0	143	0	0	0	0	0	117	0	130	101	119	0	141	92	119	0	132	106	122	0	137	109	0	0	0	0	0	0
700	106	0	106	0	137	0	141	0	0	0	0	0	122	0	144	102	122	0	158	87	122	0	138	108	125	0	142	114	0	0	0	0	0	0
800	119	0	0	2	105	0	0	2	0	2	0	2	120	0	101	140	0	2	0	0	118	0	104	133	0	2	0	0	0	2	0	0	0	2
900	119	0	0	2	105	0	0	2	0	2	0	2	132	0	116	142	0	2	0	0	119	0	97	132	0	2	0	0	0	2	0	0	0	2
1000	155	0	0	2	105	0	0	2	0	2	0	2	126	0	104	141	0	2	0	0	132	0	100	146	0	2	0	0	0	2	0	0	0	2
1100	127	0	0	2	89	0	0	2	0	2	0	2	125	0	88	145	0	2	0	0	115	0	90	134	0	2	0	0	0	2	0	0	0	2
1200	111	0	0	2	75	0	0	2	0	2	0	2	129	0	90	140	0	2	0	0	126	0	102	154	0	2	0	0	0	2	0	0	0	2
1300	121	0	0	2	71	0	0	2	0	2	0	2	128	0	97	144	0	2	0	0	109	0	81	126	0	2	0	0	0	2	0	0	0	2
1400	96	0	0	2	65	0	0	2	0	2	0	2	129	0	104	144	0	2	0	0	115	0	93	135	0	2	0	0	0	2	0	0	0	2
1500	36	0	39	0	53	0	54	0	0	0	0	0	300	0	352	205	295	0	359	207	320	0	27	274	308	0	359	241	0	0	0	0	0	0
1600	35	0	41	0	59	0	61	0	0	0	0	0	13	0	120	271	13	0	121	302	16	0	71	289	12	0	58	314	0	0	0	0	0	0
1700	58	0	64	0	91	0	92	0	0	0	0	0	130	0	167	73	127	0	172	27	133	0	161	101	136	0	163	100	0	0	0	0	0	0
1800	77	0	79	0	104	0	105	0	0	0	0	0	125	0	166	98	126	0	164	64	129	0	154	96	131	0	169	74	0	0	0	0	0	0
1900	78	0	79	0	113	0	113	0	0	0	0	0	109	0	138	78	110	0	140	33	110	0	135	84	109	0	137	51	0	0	0	0	0	0
2000	72	0	70	0	115	0	115	0	0	0	0	0	111	0	127	84	112	0	151	75	109	0	121	96	109	0	125	95	0	0	0	0	0	0
2100	79	0	79	0	142	0	142	0	0	0	0		106	0	123	92	106	0	134	80	103	0	112	93	103	0	112	92	0	0	0	0	0	0
2200	95	0	89	0	161	0	162	0	0	0	0	0	112	0	128	95	113	0	136	84	112	0	122	104	111	0	119	101	0	0	0	0	0	0
2300	97	0	104	0	148	0	151	0	0	0	0	0	124	0	143	102	128	0	158	83	134	0	149	116	135	0	153	116	0	0	0	0	0	0
2400	118	0	124	0	159	0	163	0	0	0	0	0	124	0	141	107	126	0	153	83	130	0	144	116	131	0	148	116	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PATH	S
100	687	0	682	0	249	2	334	2	320	0	320	0	[illegible]	0	5	0	0	0	[illegible]	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	2
200	675	0	669	0	249	2	334	2	320	0	320	0	[illegible]	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	658	0	653	0	245	2	334	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	648	0	642	0	245	2	331	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	637	0	631	0	238	2	325	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	649	0	644	0	247	2	325	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	671	0	666	0	256	2	336	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	696	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	700	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	768	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	788	0	0	2	0	2	0	2	0	2	0	2	-24	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	805	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	832	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	863	0	0	2	0	2	0	2	0	2	0	2	-22	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	837	0	835	0	269	2	393	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	842	0	842	0	285	2	360	2	320	0	320	0	-49	0	-50	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	851	0	849	0	279	2	359	2	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	835	0	831	0	290	2	363	2	320	0	320	0	-9	0	-9	0	0	0	0	0	322	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	820	0	817	0	281	2	358	2	320	0	320	0	-11	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	786	0	779	0	279	2	356	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	759	0	752	0	256	2	338	2	320	0	320	0	9	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	738	0	732	0	261	2	345	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	732	0	725	0	239	2	320	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	712	0	707	0	231	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	WIND DIR2 50 B	S	MIN	MAX	WIND DIR3 150A	S	MIN	MAX	WIND DIR4 150B	S	MIN	MAX	WIND DIR5 S	MIN	MAX	WIND DIR6 S
100	99	0	108	0	171	0	174	0	0	0	0	0	126	0	154	109	131	0	163	92	140	0	153	128	141	0	163	130	0	0	0	0	0	0
200	102	0	112	0	186	0	189	0	0	0	0	0	128	0	156	105	131	0	169	95	140	0	155	123	142	0	156	116	0	0	0	0	0	0
300	122	0	127	0	178	0	184	0	0	0	0	0	124	0	148	111	127	0	175	90	133	0	151	120	134	0	153	118	0	0	0	0	0	0
400	122	0	129	0	178	0	183	0	0	0	0	0	124	0	143	99	128	0	148	94	133	0	147	119	134	0	147	119	0	0	0	0	0	0
500	117	0	123	0	166	0	173	0	0	0	0	0	125	0	146	104	127	0	156	102	133	0	142	121	134	0	146	119	0	0	0	0	0	0
600	114	0	119	0	161	0	166	0	0	0	0	0	124	0	154	109	127	0	148	91	134	0	148	119	135	0	148	123	0	0	0	0	0	0
700	118	0	125	0	165	0	167	0	0	0	0	0	126	0	147	104	128	0	169	92	132	0	150	110	134	0	151	112	0	0	0	0	0	0
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1100	68	0	82	0	111	0	128	0	0	0	0	0	139	0	170	96	138	0	192	93	149	0	166	127	152	0	173	135	0	0	0	0	0	0
1200	37	0	39	0	81	0	71	0	0	0	0	0	192	0	259	123	188	0	260	107	177	0	206	143	178	0	208	158	0	0	0	0	0	0
1300	60	0	60	0	82	0	83	0	0	0	0	0	115	0	161	85	117	0	159	82	122	0	151	102	125	0	153	98	0	0	0	0	0	0
1400	106	0	110	0	129	0	133	0	0	0	0	0	117	0	141	90	118	0	158	82	114	0	138	91	117	0	144	100	0	0	0	0	0	0
1500	117	0	124	0	157	0	162	0	0	0	0	0	125	0	159	103	126	0	169	95	131	0	152	119	133	0	150	118	0	0	0	0	0	0
1600	110	0	121	0	210	0	216	0	0	0	0	0	143	0	258	98	144	0	206	93	150	0	171	129	153	0	168	126	0	0	0	0	0	0
1700	100	0	106	0	180	0	182	0	0	0	0	0	136	0	169	109	134	0	187	93	145	0	160	126	148	0	161	127	0	0	0	0	0	0
1800	111	0	120	0	177	0	179	0	0	0	0	0	129	0	158	95	131	0	167	92	138	0	154	127	141	0	166	128	0	0	0	0	0	0
1900	99	0	98	0	156	0	158	0	0	0	0	0	128	0	155	111	130	0	184	93	138	0	150	127	141	0	153	128	0	0	0	0	0	0
2000	93	0	99	0	160	0	163	0	0	0	0	0	130	0	165	108	129	0	159	82	142	0	159	125	145	0	161	128	0	0	0	0	0	0
2100	73	0	73	0	113	0	117	0	0	0	0	0	108	0	133	90	106	0	139	79	119	0	149	98	121	0	144	97	0	0	0	0	0	0
2200	68	0	73	0	111	0	113	0	0	0	0	0	102	0	119	81	102	0	140	80	114	0	133	87	116	0	136	87	0	0	0	0	0	0
2300	88	0	90	0	120	0	125	0	0	0	0	0	113	0	138	81	115	0	148	80	116	0	138	86	118	0	143	86	0	0	0	0	0	0
2400	54	0	64	0	97	0	115	0	0	0	0	0	131	0	186	109	132	0	163	106	150	0	164	131	153	0	169	139	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	689	0	692	0	227	2	314	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	678	0	671	0	216	2	301	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	662	0	657	0	213	2	301	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
400	651	0	644	0	216	2	301	2	320	0	320	0	-4	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	642	0	637	0	209	2	296	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	644	0	639	0	233	2	314	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	657	0	651	0	242	2	322	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	649	0	648	0	132	2	208	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	621	0	615	0	150	2	227	2	320	0	320	0	-2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	621	0	615	0	132	2	209	2	320	0	320	0	-7	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	662	0	658	0	153	2	233	2	320	0	320	0	-4	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1500	709	0	703	0	143	2	220	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	736	0	734	0	155	2	231	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	721	0	716	0	148	2	225	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	711	0	707	0	155	2	233	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	700	0	693	0	155	2	234	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	1	0	0	0	1	0	2
2000	703	0	696	0	153	2	233	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	675	0	667	0	146	2	229	2	320	0	320	0	-4	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	662	0	655	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	649	0	642	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2400	646	0	639	0	315	2	315	2	320	0	320	0	2	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	48	0	55	0	105	0	106	0	0	0	0	0	130	0	179	104	129	0	159	61	150	0	160	136	151	0	167	135	0	0	0	0	0	0
200	51	0	56	0	106	0	113	0	0	0	0	0	143	0	197	106	143	0	203	90	159	0	177	142	162	0	176	148	0	0	0	0	0	1
300	49	0	50	0	102	0	105	0	0	0	0	0	139	0	191	105	138	0	183	102	158	0	177	140	161	0	188	146	0	0	0	0	0	0
400	48	0	55	0	83	0	84	0	0	0	0	0	126	0	156	109	129	0	167	105	153	0	166	133	155	0	169	153	0	0	0	0	0	0
500	42	0	47	0	97	0	102	0	0	0	0	0	141	0	227	97	139	0	195	98	160	0	171	146	162	0	170	153	0	0	0	0	0	0
600	37	0	42	0	89	0	92	0	0	0	0	0	139	0	179	88	133	0	174	71	162	0	180	145	164	0	177	153	0	0	0	0	0	0
700	26	0	28	0	46	0	43	0	0	0	0	0	238	0	318	186	233	3	340	181	215	0	247	165	213	0	246	178	0	0	0	0	0	0
800	47	0	47	0	63	0	69	0	0	0	0	0	298	0	338	259	291	0	343	250	289	0	314	258	286	0	310	248	0	0	0	0	0	0
900	62	0	65	0	77	0	82	0	0	0	0	0	292	0	337	248	286	0	331	240	292	0	314	269	286	0	307	261	0	0	0	0	0	0
1000	61	0	58	0	85	0	90	0	0	0	0	0	300	0	336	260	295	0	338	239	300	0	322	270	293	0	305	270	0	0	0	0	0	0
1100	68	0	68	0	106	0	110	0	0	0	0	0	303	0	350	266	297	0	349	250	305	0	314	297	299	0	313	291	0	0	0	0	0	0
1200	60	0	58	0	73	0	78	0	0	0	0	0	289	0	349	246	285	0	351	237	295	0	321	270	289	0	314	254	0	0	0	0	0	0
1300	56	0	57	0	82	0	86	0	0	0	0	0	301	0	347	259	292	0	340	241	302	0	316	283	296	0	307	277	0	0	0	0	0	0
1400	50	0	51	0	59	0	64	0	0	0	0	0	285	0	340	240	280	0	342	227	291	0	334	235	286	0	327	245	0	0	0	0	0	0
1500	56	0	55	0	71	0	72	0	0	0	0	0	307	0	349	270	299	0	340	241	312	0	331	301	306	0	322	291	0	0	0	0	0	0
1600	48	0	51	0	69	0	69	0	0	0	0	0	349	0	34	270	337	0	49	271	352	0	24	321	348	0	31	313	0	0	0	0	0	0
1700	31	0	34	0	40	0	42	0	0	0	0	0	19	0	114	298	14	0	125	285	13	0	69	309	10	0	97	314	0	0	0	0	0	1
1800	26	0	27	0	38	0	40	0	0	0	0	0	8	3	70	270	9	3	114	279	15	0	82	309	17	0	160	304	0	0	0	0	0	0
1900	38	0	41	0	46	0	50	0	0	0	0	0	64	0	113	18	59	0	114	4	59	0	107	13	59	0	107	13	0	0	0	0	0	1
2000	27	0	30	0	44	0	48	0	0	0	0	0	96	3	141	66	95	3	137	50	79	0	96	66	79	0	93	67	0	0	0	0	0	0
2100	22	0	23	0	30	0	31	0	0	0	0	0	117	0	147	99	116	0	149	94	98	3	125	79	99	0	128	77	0	0	0	0	0	0
2200	28	0	26	0	23	0	27	0	0	0	0	0	194	0	258	103	190	3	239	128	134	3	177	66	136	3	176	67	0	0	0	0	0	0
2300	43	0	45	0	52	0	56	0	0	0	0	0	249	0	282	228	244	0	296	216	290	0	354	224	288	0	355	223	0	0	0	0	0	0
2400	64	0	64	0	88	0	94	0	0	0	0	0	239	0	255	225	235	0	260	215	241	0	249	234	238	0	247	232	0	0	0	0	0	1

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	696	0	639	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	698	0	690	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	696	0	690	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	696	0	690	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	696	0	690	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	699	0	692	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	655	0	649	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	642	0	637	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	612	0	606	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	608	0	603	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	606	0	601	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	612	0	606	0	315	2	315	2	320	0	320	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	622	0	619	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	630	0	626	0	315	2	315	2	320	0	320	0	-26	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	639	0	633	0	315	2	315	2	320	0	320	0	-32	0	-32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	658	0	655	0	315	2	315	2	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	698	0	696	0	315	2	315	2	320	0	320	0	-38	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	712	0	709	0	315	2	315	2	320	0	320	0	-39	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	680	0	675	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	651	0	649	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	648	0	640	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	649	0	642	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	658	0	653	0	315	2	315	2	320	0	320	0	27	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	649	0	642	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6		
100	70	0	68	0	106	0	111	0	0	0	0	0	241	0	271	192	237	0	271	181	234	0	260	211	233	0	261	195	0	0	0	0	0	0	
200	74	0	75	0	110	0	116	0	0	0	0	0	259	0	280	228	253	0	283	217	275	0	289	254	273	0	288	259	0	0	0	0	0	0	
300	111	0	109	0	168	0	179	0	0	0	0	0	287	0	320	252	285	0	353	238	298	0	335	269	292	0	309	265	0	0	0	0	0	0	
400	163	0	159	0	226	0	231	0	0	0	0	0	308	0	333	281	302	0	331	262	312	0	321	305	305	0	316	299	0	0	0	0	0	0	
500	175	0	167	0	228	0	231	0	0	0	0	0	312	0	334	287	307	0	340	274	317	0	328	302	310	0	321	295	0	0	0	0	0	0	
600	159	0	147	0	237	0	240	0	0	0	0	0	315	0	335	294	308	0	359	230	320	0	331	300	314	0	333	292	0	0	0	0	0	0	
700	157	0	147	0	231	0	230	0	0	0	0	0	318	0	2	280	311	0	353	229	330	0	5	316	323	0	347	301	0	0	0	0	0	0	
800	148	0	147	0	219	0	218	0	0	0	0	0	318	0	357	259	314	0	19	271	330	0	348	303	324	0	351	294	0	0	0	0	0	0	
900	128	0	123	0	223	0	220	0	0	0	0	0	329	0	25	284	323	0	60	271	336	0	17	289	331	0	354	300	0	0	0	0	0	0	
1000	138	0	136	0	190	0	192	0	0	0	0	0	310	0	338	273	303	0	350	251	319	0	335	309	312	0	345	297	0	0	0	0	0	0	
1100	132	0	130	0	200	0	206	0	0	0	0	0	293	0	321	272	285	0	329	240	302	0	311	287	295	0	303	281	0	0	0	0	0	0	
1200	103	0	106	0	139	0	147	0	0	0	0	0	285	0	324	246	278	0	318	237	289	0	330	243	284	0	322	225	0	0	0	0	0	0	
1300	109	0	108	0	134	0	141	0	0	0	0	0	267	0	307	240	261	0	307	218	276	0	297	233	270	0	306	231	0	0	0	0	0	0	
1400	115	0	114	0	130	0	137	0	0	0	0	0	268	0	289	237	261	0	285	226	270	0	300	224	268	0	305	218	0	0	0	0	0	0	
1500	87	0	85	0	118	0	125	0	0	0	0	0	251	0	279	224	245	0	286	206	256	0	279	239	254	0	276	225	0	0	0	0	0	0	
1600	94	0	96	0	104	0	113	0	0	0	0	0	250	0	272	230	246	0	270	217	248	0	262	212	248	0	257	226	0	0	0	0	0	0	
1700	80	0	79	0	100	0	107	0	0	0	0	0	249	0	306	221	245	0	316	198	242	0	259	218	240	0	262	210	0	0	0	0	0	0	
1800	110	0	108	0	148	0	159	0	0	0	0	0	250	0	284	213	248	0	288	211	249	0	261	221	248	0	260	229	0	0	0	0	0	0	
1900	108	0	106	0	168	0	178	0	0	0	0	0	257	0	279	231	253	0	291	224	263	0	272	252	262	0	269	254	0	0	0	0	0	0	
2000	105	0	104	0	134	0	142	0	0	0	0	0	267	0	290	249	262	0	295	227	282	0	297	260	279	0	292	245	0	0	0	0	0	0	
2100	67	0	62	0	123	0	130	0	0	0	0	0	286	0	321	251	282	0	353	228	295	0	329	254	288	0	313	259	0	0	0	0	0	0	
2200	73	0	64	0	141	0	143	0	0	0	0	0	322	0	24	283	318	0	49	277	326	0	11	301	321	0	352	304	0	0	0	0	0	0	
2300	44	0	40	0	69	0	71	0	0	0	0	0	351	0	30	303	344	0	27	273	345	0	6	328	340	0	352	321	0	0	0	0	0	0	
2400	35	0	32	0	48	0	52	0	0	0	0	0	307	0	335	274	301	0	328	271	308	0	336	286	302	0	325	277	0	0	0	0	0	0	

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PATH	S
100	648	0	640	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	637	0	63[illegible]	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	648	0	642	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1		2
400	633	0	628	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
500	622	0	617	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	617	0	610	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
700	613	0	608	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
800	617	0	610	0	315	2	315	2	320	0	320	0	-16	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
900	626	0	621	0	315	2	315	2	320	0	320	0	-20	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1000	626	0	621	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1100	644	0	637	0	315	2	315	2	320	0	320	0	-40	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1200	655	0	649	0	315	2	315	2	320	0	320	0	-31	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1300	660	0	655	0	315	2	315	2	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1400	666	0	660	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0		0	2
1500	680	0	675	0	315	2	315	2	320	0	320	0	-27	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		2
1600	687	0	682	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	714	0	709	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1800	714	0	709	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1900	696	0	691	0	315	2	315	2	320	0	320	0	11	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	675	0	667	0	315	2	315	2	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	664	0	658	0	315	2	315	2	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	657	0	651	0	315	2	315	2	320	0	320	0	22	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	631	0	624	0	315	2	315	2	[illegible]	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	608	0	601	0	315	2	315	2	320	0	320	0	93	0	95	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	34	0	30	0	57	0	58	0	0	0	0	0	3	0	60	282	359	3	69	303	8	0	19	312	4	0	16	309	0	0	0	0	0	0
200	46	0	44	0	28	0	30	0	0	0	0	0	155	0	187	144	153	0	179	138	114	0	140	92	117	0	150	95	0	0	0	0	0	.
300	32	0	29	0	31	0	35	0	0	0	0	0	249	0	48	210	212	3	258	3	254	0	274	229	251	0	273	233	0	0	0	0	0	0
400	26	0	21	0	45	0	51	0	0	0	0	0	177	0	265	100	163	3	247	92	242	0	263	215	238	0	258	211	0	0	0	0	0	0
500	64	0	61	0	77	0	81	0	0	0	0	0	261	0	284	241	256	0	281	227	277	0	307	252	273	0	313	245	0	0	0	0	0	0
600	44	0	42	0	47	0	53	0	0	0	0	0	290	0	315	258	285	0	316	251	290	0	310	273	285	0	299	259	0	0	0	0	0	0
700	62	0	60	0	64	0	68	0	0	0	0	0	303	0	329	275	298	0	349	258	299	0	315	265	294	0	307	276	0	0	0	0	0	0
800	59	0	55	0	67	0	69	0	0	0	0	0	313	0	353	281	303	0	340	263	317	0	342	301	312	0	329	298	0	0	0	0	0	0
900	51	0	48	0	59	0	61	0	0	0	0	0	316	0	25	279	312	0	15	271	326	0	9	286	321	0	6	286	0	0	0	0	0	0
1000	72	0	69	0	80	0	79	0	0	0	0	0	346	0	25	286	336	0	27	273	357	0	19	332	351	0	14	303	0	0	0	0	0	0
1100	62	0	62	0	85	0	84	0	0	0	0	0	28	0	176	303	19	0	106	306	10	0	54	277	5	0	48	286	0	0	0	0	0	0
1200	53	0	51	0	79	0	83	0	0	0	0	0	18	0	87	276	16	0	162	277	9	0	107	294	0	0	51	299	0	0	0	0	0	0
1300	55	0	54	0	79	0	77	0	0	0	0	0	351	0	53	273	340	0	77	272	3	0	93	326	1	0	78	307	0	0	0	0	0	0
1400	65	0	61	0	71	0	72	0	0	0	0	0	347	0	55	284	341	0	72	273	4	0	46	310	359	0	35	314	0	0	0	0	0	0
1500	59	0	56	0	73	0	73	0	0	0	0	0	339	0	44	279	337	0	57	271	0	0	45	300	356	0	45	309	0	0	0	0	0	0
1600	52	0	53	0	71	0	71	0	0	0	0	0	28	0	99	317	22	0	92	319	17	0	78	304	11	0	57	324	0	0	0	0	0	0
1700	63	0	61	0	75	0	77	0	0	0	0	0	40	0	102	1	34	0	116	2	33	0	80	4	30	0	68	354	0	0	0	0	0	0
1800	56	0	56	0	70	0	73	0	0	0	0	0	47	0	76	24	40	0	79	4	39	0	62	11	37	0	65	13	0	0	0	0	0	0
1900	38	0	37	0	45	0	54	0	0	0	0	0	66	0	101	33	61	0	102	1	60	0	86	19	59	0	92	12	0	0	0	0	0	0
2000	32	0	29	0	39	0	41	0	0	0	0	0	111	0	126	92	111	0	129	82	96	0	102	81	97	0	105	82	0	0	0	0	0	0
2100	64	0	55	0	72	0	74	0	0	0	0	0	119	0	126	113	120	0	136	102	110	0	117	106	112	0	119	108	0	0	0	0	0	0
2200	52	0	51	0	65	0	67	0	0	0	0	0	149	0	181	129	149	0	182	123	138	0	147	133	141	0	150	136	0	0	0	0	0	0
2300	59	0	59	0	97	0	101	0	0	0	0	0	144	0	183	118	144	0	179	115	146	0	148	143	149	0	152	146	0	0	0	0	0	0
2400	87	0	64	0	111	0	115	0	0	0	0	0	154	0	193	130	152	0	202	116	148	0	158	141	151	0	155	144	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	612	0	604	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	599	0	592	0	315	2	315	2	320	0	320	0	13	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	597	0	590	0	315	2	315	2	320	0	320	0	27	0	29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	567	0	559	0	315	2	315	2	320	0	320	0	47	0	49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	599	0	592	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	601	0	595	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	619	0	613	0	315	2	315	2	320	0	320	0	-2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	633	0	628	0	315	2	315	2	320	0	320	0	-23	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	646	0	640	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
000	642	0	639	0	315	2	315	2	320	0	320	0	-27	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1100	651	0	649	0	315	2	315	2	320	0	320	0	-29	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	666	0	664	0	315	2	315	2	320	0	320	0	-40	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	669	0	667	0	315	2	315	2	320	0	320	0	-47	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1400	671	0	667	0	315	2	315	2	320	0	320	0	-40	0	-40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	684	0	680	0	315	2	315	2	320	0	320	0	-49	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1600	705	0	703	0	315	2	315	2	320	0	320	0	-52	0	-56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1700	703	0	702	0	315	2	315	2	320	0	320	0	-38	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1800	703	0	702	0	315	2	315	2	320	0	320	0	-34	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1900	702	0	698	0	315	2	315	2	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	657	0	648	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	633	0	624	0	315	2	315	2	320	0	320	0	11	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	621	0	615	0	315	2	315	2	320	0	320	0	25	0	27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	606	0	599	0	315	2	315	2	320	0	320	0	45	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	599	0	594	0	315	2	315	2	320	0	320	0	58	0	58	0	0	0	0	0	320	2	0	0	0	0	0	.	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3	MIN	MAX	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	65	0	60	0	143	0	124	0	0	0	0	0	173	0	207	137	172	0	250	93	170	0	178	162	172	0	178	169	0	0	0	0	0	0
200	66	0	60	0	158	0	135	0	0	0	0	0	157	0	188	127	153	0	191	111	173	0	176	171	175	0	177	173	0	0	0	0	0	0
300	70	0	69	0	176	0	152	0	0	0	0	0	153	0	180	126	152	0	206	113	174	0	178	172	175	0	179	174	0	0	0	0	0	0
400	80	0	71	0	194	0	160	0	0	0	0	0	169	0	211	109	184	0	230	92	184	0	195	170	185	0	196	176	0	0	0	0	0	0
500	79	0	74	0	204	0	171	0	0	0	0	0	170	0	222	132	184	0	251	111	183	0	195	172	183	0	195	174	0	0	0	0	0	0
600	76	0	73	0	190	0	158	0	0	0	0	0	182	0	250	131	181	0	256	110	186	0	206	166	186	0	207	171	0	0	0	0	0	0
700	70	0	56	0	156	0	140	0	0	0	0	0	160	0	221	93	159	0	217	90	173	0	202	138	174	0	196	135	0	0	0	0	0	0
800	53	0	43	0	85	0	77	0	0	0	0	0	207	0	269	110	198	0	263	116	186	0	234	103	189	0	250	196	0	0	0	0	0	0
900	65	0	63	0	136	0	127	0	0	0	0	0	168	0	261	90	161	0	221	94	172	0	210	130	174	0	197	134	0	0	0	0	0	0
1000	63	0	55	0	133	0	115	0	0	0	0	0	197	0	269	121	190	0	257	102	190	0	239	128	192	0	245	165	0	0	0	0	0	0
1100	74	0	62	0	123	0	108	0	0	0	0	0	199	0	266	102	202	0	265	90	193	0	229	150	192	0	217	149	0	0	0	0	0	0
1200	71	0	63	0	132	0	113	0	0	0	0	0	180	0	249	105	182	0	264	92	185	0	232	134	186	0	241	129	0	0	0	0	0	0
1300	66	0	58	0	135	0	117	0	0	0	0	0	185	0	255	104	187	0	268	101	188	0	231	135	187	0	217	147	0	0	0	0	0	0
1400	68	0	57	0	132	0	113	0	0	0	0	0	196	0	259	123	200	0	264	111	191	0	221	150	192	0	223	152	0	0	0	0	0	0
1500	75	0	64	0	142	0	121	0	0	0	0	0	201	0	267	97	197	0	263	124	194	0	224	134	194	0	225	135	0	0	0	0	0	0
1600	91	0	78	0	148	0	133	0	0	0	0	0	221	0	267	102	215	0	266	106	209	0	244	170	209	0	240	162	0	0	0	0	0	0
1700	99	0	82	0	153	0	143	0	0	0	0	0	228	0	281	183	223	0	263	115	215	0	246	173	212	0	248	172	0	0	0	0	0	0
1800	92	0	83	0	149	0	147	0	0	0	0	0	231	0	273	187	225	0	267	168	223	0	257	191	221	0	255	198	0	0	0	0	0	0
1900	111	0	98	0	172	0	167	0	0	0	0	0	229	0	268	182	226	0	307	180	222	0	259	201	221	0	244	190	0	0	0	0	0	0
2000	104	0	88	0	161	0	159	0	0	0	0	0	229	0	293	189	225	0	263	177	222	0	245	184	221	0	243	188	0	0	0	0	0	0
2100	88	0	73	0	155	0	140	0	0	0	0	0	213	0	260	116	211	0	267	94	208	0	232	169	206	0	231	177	0	0	0	0	0	0
2200	89	0	77	0	170	0	148	0	0	0	0	0	217	0	254	152	219	0	285	118	205	0	239	174	207	0	241	139	0	0	0	0	0	0
2300	122	0	106	0	194	0	182	0	0	0	0	0	230	0	277	186	228	0	269	167	217	0	245	184	217	0	247	189	0	0	0	0	0	0
2400	142	0	121	0	222	0	204	0	0	0	0	0	226	0	266	166	222	0	265	112	216	0	244	165	216	0	240	166	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	PAIN	S
100	598	0	586	0	315	2	315	2	320	0	320	0	54	0	56	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	572	0	567	0	315	2	315	2	320	0	320	0	76	0	76	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	563	0	558	0	315	2	315	2	320	0	320	0	83	0	85	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
400	576	0	570	0	315	2	315	2	320	0	320	0	56	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
500	585	0	579	0	315	2	315	2	320	0	320	0	45	0	47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
600	599	0	594	0	315	2	315	2	320	0	320	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
700	624	0	619	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
800	669	0	664	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
900	707	0	703	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1000	729	0	725	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1100	750	0	747	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1200	792	0	788	0	315	2	315	2	320	0	320	0	-34	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1300	808	0	804	0	315	2	315	2	320	0	320	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1400	813	0	810	0	315	2	315	2	320	0	320	0	-29	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1500	831	0	828	0	315	2	315	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1600	831	0	826	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1700	817	0	811	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1800	813	0	808	0	315	2	315	2	320	0	320	0	-13	0	-11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1900	799	0	792	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	797	0	792	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	772	0	766	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	757	0	752	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2300	757	0	752	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2400	756	0	750	0	315	2	315	2	320	0	320	0	-6	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX	S	WIND DIR2	MIN	MAX	S	WIND DIR3 150A	MIN	MAX	S	WIND DIR4 150B	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	116	0	103	0	194	0	190	0	0	0	0	0	235	0	273	192	232	0	302	181	223	0	259	176	221	0	262	179	0	0	0	0	0	0
200	202	0	200	0	290	0	306	0	0	0	0	0	269	0	297	249	262	0	295	216	272	0	303	237	268	0	302	240	0	0	0	0	0	0
300	68	0	61	0	112	0	120	0	0	0	0	0	249	0	285	208	249	0	285	204	252	0	276	210	251	0	278	214	0	0	0	0	0	0
400	128	0	123	0	195	0	206	0	0	0	0	0	240	0	275	196	236	0	271	182	235	0	258	205	232	0	251	197	0	0	0	0	0	0
500	129	0	126	0	182	0	192	0	0	0	0	0	247	0	262	226	244	0	271	215	245	0	267	226	241	0	258	224	0	0	0	0	0	0
600	134	0	133	0	209	0	223	0	0	0	0	0	263	0	293	223	259	0	304	206	259	0	284	240	256	0	286	235	0	0	0	0	0	0
700	167	0	167	0	225	0	242	0	0	0	0	0	268	0	294	245	265	0	296	215	268	0	274	252	265	0	276	257	0	0	0	0	0	0
800	170	0	170	0	232	0	248	0	0	0	0	0	267	0	287	246	260	0	283	223	266	0	277	250	263	0	271	237	0	0	0	0	0	0
900	178	0	181	0	231	0	245	0	0	0	0	0	268	0	286	248	264	0	295	228	267	0	278	255	264	0	271	251	0	0	0	0	0	0
1000	153	0	160	0	197	0	239	0	0	0	0	0	266	0	285	245	262	0	292	225	263	0	281	245	260	0	274	242	0	0	0	0	0	0
1100	178	0	184	0	212	0	231	0	0	0	0	0	267	0	285	250	263	0	300	198	269	0	283	260	267	0	278	255	0	0	0	0	0	0
1200	127	0	123	0	152	0	169	0	0	0	0	0	277	0	311	246	269	0	317	228	287	0	330	245	279	0	305	232	0	0	0	0	0	0
1300	138	0	134	0	193	0	206	0	0	0	0	0	293	0	315	267	287	0	331	226	298	0	312	260	291	0	303	263	0	0	0	0	0	0
1400	147	0	140	0	184	0	201	0	0	0	0	0	289	0	332	245	283	0	341	236	292	0	324	266	286	0	310	265	0	0	0	0	0	0
1500	94	0	86	0	124	0	133	0	0	0	0	0	272	0	324	231	267	0	332	218	284	0	314	256	280	0	310	257	0	0	0	0	0	0
1600	90	0	86	0	103	0	117	0	0	0	0	0	269	0	307	244	264	0	320	214	278	0	304	247	273	0	296	232	0	0	0	0	0	0
1700	68	0	64	0	82	0	87	0	0	0	0	0	265	0	312	237	259	0	319	218	280	0	333	249	274	0	312	229	0	0	0	0	0	0
1800	53	0	51	0	72	0	79	0	0	0	0	0	267	0	309	235	259	0	304	218	278	0	298	228	274	0	307	229	0	0	0	0	0	0
1900	48	0	46	0	60	0	66	0	0	0	0	0	264	0	293	231	259	0	300	218	278	0	329	239	274	0	320	247	0	0	0	0	0	0
2000	46	0	44	0	58	0	64	0	0	0	0	0	249	0	275	228	246	0	273	225	268	0	287	252	264	0	283	253	0	0	0	0	0	0
2100	57	0	47	0	77	0	83	0	0	0	0	0	226	0	261	210	224	0	271	182	234	0	244	222	232	0	245	220	0	0	0	0	0	0
2200	67	0	59	0	100	0	109	0	0	0	0	0	238	0	258	214	233	0	263	206	239	0	253	216	236	0	247	218	0	0	0	0	0	0
2300	92	0	86	0	144	0	153	0	0	0	0	0	243	0	272	210	240	0	275	195	247	0	258	218	244	0	258	210	0	0	0	0	0	0
2400	84	0	82	0	145	0	155	0	0	0	0	0	241	0	263	203	239	0	270	205	249	0	257	233	24[illegible]	0	256	224	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	743	0	738	0	315	2	315	2	320	0	320	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	691	0	685	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	655	0	649	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	669	0	658	0	315	2	315	2	320	0	320	0	2	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	657	0	651	0	315	2	315	2	320	0	320	0	-2	0	-2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	648	0	642	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	644	0	639	0	315	2	315	2	320	0	320	0	-5	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	648	0	640	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	646	0	640	0	315	2	315	2	320	0	320	0	-13	0	-13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	660	0	658	0	315	2	315	2	320	0	320	0	-16	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	658	0	655	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	667	0	662	0	315	2	315	2	320	0	320	0	-23	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	667	0	662	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	680	0	675	0	315	2	315	2	320	0	320	0	-32	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	678	0	673	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	684	0	680	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	691	0	685	0	315	2	315	2	320	0	320	0	-25	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	702	0	696	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	694	0	689	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	678	0	671	0	315	2	315	2	320	0	320	0	4	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	671	0	666	0	315	2	315	2	320	0	320	0	7	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	680	0	675	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	685	0	680	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	673	0	667	0	315	2	315	2	320	0	320	0	16	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	
100	91	0	88	0	137	0	145	0	0	0	0	0	246	0	271	222	241	0	264	206	258	0	269	239	255	0	271	236	0	0	0	0	0	1
200	75	0	71	0	117	0	126	0	0	0	0	0	241	0	264	212	238	0	271	202	247	0	296	231	245	0	281	228	0	0	0	0	0	0
300	65	0	61	0	107	0	114	0	0	0	0	0	241	0	277	199	237	0	285	191	246	0	275	226	243	0	267	223	0	0	0	0	0	0
400	54	0	50	0	86	0	94	0	0	0	0	0	249	0	270	219	244	0	274	192	255	0	270	228	253	0	269	231	0	0	0	0	0	0
500	40	0	37	0	46	0	51	0	0	0	0	0	283	0	351	240	275	0	349	225	279	0	331	238	274	0	332	239	0	0	0	0	0	0
600	21	0	20	0	33	0	39	0	0	0	0	0	275	0	328	203	272	3	338	216	292	0	334	252	286	0	330	252	0	0	0	0	0	0
700	48	0	44	0	54	0	60	0	0	0	0	0	240	0	272	207	237	0	271	195	243	0	255	232	241	0	250	229	0	0	0	0	0	1
800	67	0	65	0	73	0	78	0	0	0	0	0	252	0	276	227	247	0	285	202	255	0	270	241	252	0	269	240	0	0	0	0	0	1
900	67	0	65	0	69	0	74	0	0	0	0	0	251	0	274	226	247	0	283	195	258	0	268	240	255	0	267	243	0	0	0	0	0	1
1000	77	0	80	0	76	0	84	0	0	0	0	0	256	0	288	225	253	0	273	215	250	0	270	220	248	0	261	225	0	0	0	0	0	0
1100	63	0	59	0	63	0	73	0	0	0	0	0	253	0	290	215	249	0	285	215	273	0	308	232	267	0	312	213	0	0	0	0	0	0
1200	63	0	61	0	54	0	58	0	0	0	0	0	272	0	294	224	266	0	298	229	271	0	291	236	267	0	284	231	0	0	0	0	0	0
1300	57	0	53	0	50	0	57	0	0	0	0	0	273	0	303	226	266	0	309	216	247	0	277	205	244	0	276	203	0	0	0	0	0	1
1400	48	0	43	0	46	0	51	0	0	0	0	0	256	0	301	220	250	0	307	217	254	0	303	221	251	0	289	221	0	0	0	0	0	0
1500	46	0	44	0	40	0	45	0	0	0	0	0	264	0	296	226	256	0	279	206	264	0	290	241	261	0	279	242	0	0	0	0	0	0
1600	24	0	21	0	23	0	26	0	0	0	0	0	248	0	289	181	240	3	292	198	278	0	346	243	273	0	349	237	0	0	0	0	0	0
1700	18	0	18	0	34	0	39	0	0	0	0	0	274	0	333	231	273	3	326	229	310	0	332	285	304	0	328	270	0	0	0	0	0	0
1800	30	0	31	0	46	0	48	0	0	0	0	0	53	3	84	28	48	0	102	4	39	0	64	7	34	0	55	3	0	0	0	0	0	0
1900	26	0	24	0	43	0	45	0	0	0	0	0	13	3	58	292	9	3	72	315	3	0	47	311	359	0	26	313	0	0	0	0	0	1
2000	20	0	22	0	34	0	35	0	0	0	0	0	47	3	140	2	30	3	117	327	20	0	92	336	17	0	108	324	0	0	0	0	0	0
2100	47	0	50	0	68	0	82	0	0	0	0	0	54	0	75	40	50	0	82	24	49	0	56	42	47	0	57	38	0	0	0	0	0	0
2200	58	0	64	0	104	0	114	0	0	0	0	0	67	0	80	57	63	0	92	45	57	0	68	47	58	0	65	51	0	0	0	0	0	0
2300	62	0	61	0	100	0	118	0	0	0	0	0	76	0	84	66	73	0	86	50	62	0	71	52	62	0	70	54	0	0	0	0	0	0
2400	54	0	56	0	108	0	120	0	0	0	0	0	70	0	80	61	66	0	90	48	54	0	61	47	54	0	61	44	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	676	0	671	0	315	2	315	2	320	0	320	0	13	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	664	0	658	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
300	651	0	646	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	640	0	633	0	315	2	315	2	320	0	320	0	4	0	4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
500	639	0	630	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	619	0	612	0	315	2	315	2	320	0	320	0	13	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	648	0	642	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	664	0	660	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	666	0	660	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1000	687	0	682	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	694	0	689	0	315	2	315	2	320	0	320	0	-20	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	696	0	691	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1300	718	0	714	0	315	2	315	2	320	0	320	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1400	766	0	763	0	315	2	315	2	320	0	320	0	-22	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	790	0	786	0	315	2	315	2	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1600	745	0	739	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	721	0	716	0	315	2	315	2	320	0	320	0	5	0	7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	700	0	694	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	712	0	707	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2000	671	0	666	0	315	2	315	2	320	0	320	0	-4	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2100	658	0	653	0	315	2	315	2	320	0	320	0	20	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
2200	640	0	635	0	315	2	315	2	320	0	320	0	34	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	630	0	622	0	315	2	315	2	320	0	320	0	58	0	58	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	615	0	610	0	315	2	315	2	320	0	320	0	56	0	55	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

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	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN	MAX 50 B	S	WIND DIR2	MIN	MAX 150A	S	WIND DIR3	MIN	MAX 150B	S	WIND DIR4	MIN	MAX	S	WIND DIR5	MIN	MAX	S	WIND DIR6	S
100	82	0	89	0	116	0	118	0	0	0	0	0	96	0	70	24	60	0	82	350	36	0	59	16	33	0	63	9	0	0	0	0	0	0
200	58	0	61	0	91	0	105	0	0	0	0	0	69	0	90	41	65	0	102	34	52	0	68	32	51	0	65	28	0	0	0	0	0	0
300	66	0	72	0	107	0	122	0	0	0	0	0	69	0	85	41	61	0	92	34	59	0	67	46	53	0	62	45	0	0	0	0	0	0
400	62	0	67	0	95	0	112	0	0	0	0	0	62	0	81	47	55	0	88	23	53	0	69	43	53	0	66	45	0	0	0	0	0	0
500	84	0	89	0	127	0	149	0	0	0	0	0	67	0	86	46	62	0	92	24	57	0	89	44	56	0	82	38	0	0	0	0	0	0
600	76	0	78	0	114	0	133	0	0	0	0	0	71	0	87	49	65	0	103	36	60	0	76	43	59	0	77	44	0	0	0	0	0	0
700	84	0	91	0	109	0	126	0	0	0	0	0	61	0	83	37	56	0	84	26	55	0	79	26	55	0	83	32	0	0	0	0	0	0
800	75	0	78	0	104	0	116	0	0	0	0	0	56	0	88	23	48	0	94	13	51	0	76	27	49	0	96	22	0	0	0	0	0	0
900	119	0	115	0	140	0	139	0	0	0	0	0	37	0	89	12	33	0	83	353	32	0	79	4	30	0	77	6	0	0	0	0	0	0
1000	85	0	83	0	131	0	130	0	0	0	0	0	30	0	74	337	27	0	159	326	15	0	87	338	10	0	77	325	0	0	0	0	0	0
1100	115	0	113	0	154	0	150	0	0	0	0	0	31	0	80	348	25	0	106	329	19	0	51	333	14	0	55	337	0	0	0	0	0	0
1200	89	0	90	0	130	0	128	0	0	0	0	0	34	0	102	328	24	0	158	294	15	0	59	327	10	0	76	325	0	0	0	0	0	0
1300	80	0	72	0	124	0	120	0	0	0	0	0	359	0	115	270	355	0	172	275	4	0	126	308	359	0	61	306	0	0	0	0	0	0
1400	64	0	58	0	103	0	100	0	0	0	0	0	0	0	164	276	359	0	159	273	355	0	46	300	352	0	51	306	0	0	0	0	0	0
1500	65	0	61	0	102	0	99	0	0	0	0	0	1	0	84	276	3	0	160	285	358	0	80	314	354	0	94	298	0	0	0	0	0	0
1600	91	0	84	0	131	0	127	0	0	0	0	0	354	0	65	291	347	0	60	274	349	0	37	275	345	0	35	301	0	0	0	0	0	0
1700	68	0	63	0	115	0	113	0	0	0	0	0	23	0	170	277	21	0	138	306	7	0	59	315	1	0	65	310	0	0	0	0	0	0
1800	84	0	82	0	114	0	112	0	0	0	0	0	30	0	72	348	25	0	93	341	17	0	49	345	13	0	42	340	0	0	0	0	0	0
1900	93	0	87	0	119	0	117	0	0	0	0	0	33	0	75	346	25	0	82	319	23	0	48	3	19	0	42	348	0	0	0	0	0	0
2000	75	0	71	0	98	0	99	0	0	0	0	0	41	0	78	5	36	0	93	334	35	0	61	16	31	0	60	3	0	0	0	0	0	0
2100	70	0	70	0	97	0	104	0	0	0	0	0	51	0	84	26	44	0	92	13	43	0	69	22	40	0	62	17	0	0	0	0	0	0
2200	64	0	64	0	96	0	96	0	0	0	0	0	47	0	80	31	42	0	70	18	37	0	53	22	33	0	57	16	0	0	0	0	0	0
2300	59	0	60	0	102	0	105	0	0	0	0	0	48	0	75	28	45	0	79	3	42	0	50	23	39	0	53	22	0	0	0	0	0	0
2400	58	0	57	0	104	0	108	0	0	0	0	0	48	0	61	36	45	0	68	26	46	0	49	40	43	0	47	40	0	0	0	0	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	635	0	628	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
200	601	0	595	0	315	2	315	2	320	0	320	0	18	0	20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	579	0	568	0	315	2	315	2	320	0	320	0	23	0	25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	552	0	545	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	549	0	541	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	552	0	547	0	315	2	315	2	320	0	320	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	581	0	576	0	315	2	315	2	320	0	320	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	610	0	606	0	315	2	315	2	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	617	0	613	0	315	2	315	2	320	0	320	0	-22	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1000	615	0	610	0	315	2	315	2	320	0	320	0	-25	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	622	0	617	0	315	2	315	2	320	0	320	0	-29	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	631	0	628	0	315	2	315	2	320	0	320	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	635	0	631	0	315	2	315	2	320	0	320	0	-43	0	-45	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	635	0	631	0	315	2	315	2	320	0	320	0	-47	0	-49	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	610	0	606	0	315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	619	0	615	0	315	2	315	2	320	0	320	0	-38	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	606	0	603	0	315	2	315	2	320	0	320	0	-31	0	-31	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	601	0	595	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	595	0	590	0	315	2	315	2	320	0	320	0	-11	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	599	0	594	0	315	2	315	2	320	0	320	0	-9	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	586	0	579	0	315	2	315	2	320	0	320	0	0	0	2	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	579	0	572	0	315	2	315	2	320	0	320	0	7	0	11	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	572	0	567	0	315	2	315	2	320	0	320	0	16	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	565	0	558	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6 50 A	S	WIND DIR1	MIN 50 B	MAX S	WIND DIR2	MIN 150A	MAX S	WIND DIR3	MIN 150B	MAX S	WIND DIR4	MIN	MAX S	WIND DIR5	MIN	MAX S	WIND DIR6	
100	58	0	59	0	102	0	117	0	0	0	0	0	51	0	67	39	46	0	68	26	47	0	52	44	45	0	51	40	0	0
200	56	0	61	0	107	0	123	0	0	0	0	0	69	0	95	48	65	0	94	34	58	0	68	51	59	0	66	51	0	0
300	62	0	58	0	107	0	123	0	0	0	0	0	84	0	100	62	82	0	116	49	70	0	82	54	69	0	78	51	0	0
400	56	0	55	0	104	0	123	0	0	0	0	0	80	0	98	66	78	0	102	57	68	0	72	61	67	0	73	60	0	0
500	53	0	51	0	98	0	115	0	0	0	0	0	83	0	104	57	82	0	114	48	69	0	78	55	69	0	78	56	0	0
600	46	0	45	0	76	0	89	0	0	0	0	0	86	0	114	58	86	0	124	48	70	0	81	52	68	0	85	54	0	0
700	45	0	45	0	64	0	73	0	0	0	0	0	85	0	109	47	80	0	115	38	71	0	92	49	70	0	89	50	0	0
800	45	0	44	0	54	0	64	0	0	0	0	0	77	0	102	36	73	0	106	13	66	0	97	37	64	0	96	31	0	0
900	80	0	83	0	99	0	111	0	0	0	0	0	79	0	118	51	76	0	128	1	72	0	97	35	71	0	101	37	0	0
1000	57	0	58	0	74	0	80	0	0	0	0	0	52	0	98	15	48	0	124	4	44	0	81	1	43	0	82	359	0	0
1100	72	0	75	0	101	0	114	0	0	0	0	0	76	0	111	39	72	0	126	1	72	0	106	40	74	0	102	23	0	0
1200	83	0	83	0	113	0	110	0	0	0	0	0	29	0	75	294	25	0	94	329	21	0	50	352	16	0	44	350	0	0
1300	90	0	87	0	115	0	117	0	0	0	0	0	30	0	72	346	22	0	93	297	12	0	73	343	9	0	40	338	0	0
1400	85	0	83	0	127	0	125	0	0	0	0	0	31	0	71	351	27	0	103	308	11	0	41	339	9	0	55	325	0	0
1500	85	0	83	0	125	0	123	0	0	0	0	0	26	0	76	344	24	0	106	326	12	0	55	317	10	0	42	330	0	0
1600	67	0	65	0	110	0	111	0	0	0	0	0	29	0	89	340	24	0	139	297	8	0	47	317	6	0	56	326	0	0
1700	122	0	115	0	159	0	158	0	0	0	0	0	26	0	53	0	20	0	49	339	13	0	40	327	9	0	40	325	0	0
1800	98	0	93	0	135	0	135	0	0	0	0	0	32	0	78	345	29	0	117	342	19	0	50	356	14	0	40	350	0	0
1900	91	0	87	0	123	0	119	0	0	0	0	0	31	0	66	358	22	0	57	329	20	0	54	352	16	0	37	342	0	0
2000	100	0	94	0	143	0	140	0	0	0	0	0	32	0	54	345	26	0	92	1	22	0	40	356	17	0	36	355	0	0
2100	71	0	69	0	115	0	117	0	0	0	0	0	46	0	81	30	39	0	79	3	40	0	57	15	37	0	64	17	0	0
2200	69	0	64	0	124	0	123	0	0	0	0	0	35	0	52	19	29	0	89	4	32	0	46	19	29	0	45	17	0	0
2300	75	0	71	0	131	0	129	0	0	0	0	0	38	0	57	10	31	0	56	1	34	0	47	21	30	0	41	20	0	0
2400	68	0	64	0	111	0	110	0	0	0	0	0	38	0	70	22	30	0	64	353	29	0	44	9	25	0	44	9	0	0

	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	556	0	549	0	315	2	315	2	320	0	320	0	38	0	40	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
200	556	0	550	0	315	2	315	2	320	0	320	0	32	0	34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
300	552	0	545	0	315	2	315	2	320	0	320	0	31	0	32	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
400	536	0	529	0	315	2	315	2	320	0	320	0	41	0	43	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
500	559	0	554	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
600	570	0	565	0	315	2	315	2	320	0	320	0	11	0	13	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
700	583	0	577	0	315	2	315	2	320	0	320	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
800	613	0	610	0	315	2	315	2	320	0	320	0	-20	0	-22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
900	635	0	631	0	315	2	315	2	320	0	320	0	-23	0	-25	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2
1000	648	0	644	0	315	2	315	2	320	0	320	0	-27	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1100	651	0	648	0	315	2	315	2	320	0	320	0	-25	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1200	633	0	628	0	315	2	315	2	320	0	320	0	-18	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300	644	0	640	0	315	2	315	2	320	0	320	0	-25	0	-27	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	651	0	648	0	315	2	315	2	320	0	320	0	-27	0	-29	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1500	669	0	666	0	315	2	315	2	320	0	320	0	-36	0	-38	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	680	0	678	0	315	2	315	2	320	0	320	0	-43	0	-47	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1700	642	0	637	0	315	2	315	2	320	0	320	0	-22	0	-23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800	646	0	642	0	315	2	315	2	320	0	320	0	-18	0	-20	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1900	639	0	633	0	315	2	315	2	320	0	320	0	-13	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	617	0	612	0	315	2	315	2	320	0	320	0	-9	0	-4	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2100	612	0	606	0	315	2	315	2	320	0	320	0	14	0	16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2200	608	0	603	0	315	2	315	2	320	0	320	0	20	0	22	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2300	610	0	603	0	315	2	315	2	320	0	320	0	22	0	23	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2400	603	0	595	0	315	2	315	2	320	0	320	0	7	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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

APPENDIX 3

PROCESS CONTROL PROGRAM (PCP) CHANGES

FORM 5329

INDIANA AND MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

Dept. DCR Volume # 8G

INSTRUCTION OR PROCEDURE NO.: 12PMP 3150PCP.00 REVISION NO.: 3 CHANGE SHEET NO.: 3

TITLE: Radioactive Waste Process Control Manual

PAGE 1 of 2

ORIGINATED BY:	S. L. Dannhardt	DATE: 4/23/84
MANAGEMENT STAFF:		DATE: 4/23/84
SENIOR REACTOR OPERATOR:		DATE: 4-24-84
Q.A. SUPERVISOR:		DATE: 24 Apr 84
PNSRC:		DATE: 4-24-84
PLANT MANAGER:		DATE: 4-24-84
PROCEDURE SUBC	DATE 4-23-84	

EXPIRATION DATE: NA

DESCRIPTION OF CHANGE

Incorporated the requirements of 10 CFR 61 for SGBD Resin and DAW. Added transuranic concentrations for shipments of resin. Also added the solidification liner calculation sheet, the new U. S. Ecology Radioactive Shipment Manifest, an RP Sign-off on the survey and a sign-off for transmittal of the manifest at the time of shipment. Deleted reference to THI 3150 (cancelled)

REASON(S) FOR CHANGE

To incorporate DOT, 10 CFR 61, 10 CFR 20.311 and Burial Site Requirements.

INSTRUCTIONS FOR INCORPORATING CHANGE

Replace list of effective pages, Page 1 with Page 1, TP-3
Replace list of effective pages, Page 2 with Page 2, TP-3
Replace list of effective pages, Page 3 with Page 3, TP-3
Replace list of effective pages, Page 4 with Page 4, TP-3
Replace list of effective pages, Page 5 with Page 5, TP-3
Replace Page 5 with Page 5, TP-3
Replace Page 6 with Page 6, TP-3
Replace Page 23 with Page 23, TP-3

FORM 5330

INDIANA AND MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

CONTINUATION FORM

INSTRUCTION OR PROCEDURE NO.: 12PMP 3150PCP.001 REVISION NO.: 3 CHANGE SHEET NO.: 3

PAGE 2 of 2

DESCRIPTION OF CHANGE (Continued)

Replace Page 24 with Page 24, TP-3
Replace Page 26 with Page 26, TP-3
Replace Page 27 with Page 27, TP-3
Add Page 28, TP-3
Replace Attachment VII Page 1 of 2 with 1 of 2, TP-3
Replace Attachment VII Page 2 of 2 with 2 of 2, TP-3
Replace Attachment XIII Page 1 of 1 with 1 of 1, TP-3
Replace Attachment XIV Page 1 of 3 with 1 of 3, TP-3
Replace Attachment XIV Page 2 of 3 with 2 of 3, TP-3
Replace Attachment XIV Page 3 of 3 with 3 of 3, TP-3
Replace Attachment XVIII Page 2 of 3, with 2 of 3, TP-3
Add Attachment XXV, TP-3

FORM 5330

INDIANA AND MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

CONTINUATION FORM

INSTRUCTION OR PROCEDURE NO.: 12PMP3150PCP.001 REVISION NO.: 3 CHANGE SHEET NO.: 2

PAGE 2 of 2

DESCRIPTION OF CHANGE (Continued)

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Replace Page 3 with Page 3, TP-2
Replace Page 7 with Page 7, TP-2
Replace Page 9 with Page 9, TP-2
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Replace Page 11 with Page 11, TP-2
Replace Page 24 with Page 24, TP-2
Replace Page 26 with Page 26, TP-2
Replace Page 27 with Page 27, TP-2

Replace Attachment III, page 1 of 1 with page 1 of 1 TP-2

Replace Attachment IV, page 1 of 1 with page 1 of 3 TP-2
Add Attachment IV, page 2 of 3 TP-2
Add Attachment IV, page 3 of 3 TP-2

Replace Attachment VIII page 1 of 1, with page 1 of 2 TP-2
Add Attachment VIII page 2 of 2 TP-2

Replace Attachment XVIII page 1 of 2 with page 1 of 3, TP-2
Replace Attachment XVIII page 2 of 2 with page 2 of 3, TP-2
Add Attachment XVIII page 3 of 3, TP-2

Add Attachment XXIV

FORM 5329

INDIANA AND MICHIGAN ELECTRIC COMPANY Dept. DCR 8G
DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET Volume #

INSTRUCTION OR PROCEDURE NO.: 12PMP3150PCP.001 REVISION NO.: 3 CHANGE SHEET NO.: 2

TITLE: Radioactive Waste Process Control Manual PAGE 1 of 2

ORIGINATED BY: S. L. Dannhardt/W. F. Scott, II DATE: January 16,1984
MANAGEMENT STAFF: DATE: 27 JAN 1984
SENIOR REACTOR OPERATOR: C E Murphy DATE: 1-27-84
Q.A. SUPERVISOR: DATE: 7 FEB 84
PNSRC: DATE: 2/7/84
PLANT MANAGER: DATE: 2/7/84
PROCEDURE SUBC. DATE 2-2-84
EXPIRATION DATE: NA

DESCRIPTION OF CHANGE

Incorporated the use of HIC/s (High Integrity Containers)

Incorporated the use of Hittman LVM Liners (Large Volume Matrix)

Incorporated 10CFR Part 61 requirements for waste evaporator concentrates and resin from the spent resin storage tank.

REASON(S) FOR CHANGE

HIC's and LVM's will aide in the plant volume reduction program. 10 CFR Part 61 became effective December 27, 1983 and require additional labeling, waste classification and manifesting for off-site burial.

INSTRUCTIONS FOR INCORPORATING CHANGE

Replace List of Effective Pages, page 1 with page 1, TP-2

Replace List of Effective Pages, page 2 with page 2, TP-2

Replace List of Effective Pages, page 3 with page 3, TP-2

Replace List of Effective Pages, page 4 with page 4, TP-2

Replace List of Effective Pages, page 5 with page 5, TP-2

Replace Page 4 with page 4, TP-2

Replace Page 5 with page 5, TP-2

Replace Page 6 with page 6, TP-2

FORM 329

INDIANA AND MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

Dept. DCR 8G
Volume #

INSTRUCTION OR PROCEDURE NO.: 12PMP3150PCP.001 REVISION NO.: 3 CHANGE SHEET NO.: TP-1

TITLE: Radioactive Waste Process Control Manual

PAGE 1 of 1

ORIGINATED BY:	John Fryer	DATE: 1-13-1984
MANAGEMENT STAFF:	[illegible]	DATE: 1-14-84
SENIOR REACTOR OPERATOR:	[illegible]	DATE: 1-17-84
Q.A. SUPERVISOR:	T. F. Reifman	DATE: 1-16-84
PNSRC:	[illegible]	DATE: 1-17-84
PLANT MANAGER:	[illegible]	DATE: 1-17-84
PROCEDURE SUBC.	[illegible] DATE 1/17/84	

EXPIRATION DATE: N/A

DESCRIPTION OF CHANGE

Provide instructions on the Handling and Shipment of Sludge Lance Filters generated at the Cook Plant.

REASON(S) FOR CHANGE

Clarify the Handling and Shipment of Sludge Lance Filters with a specific activity of greater than 1u/cu of radionuclides with a greater than 5 year half-life.

INSTRUCTIONS FOR INCORPORATING CHANGE

Replace the Following Pages as indicated:

List of Effective Pages, Page 1 of 5, Revision 3, with Revision 3, TP-1

Page 13 of 27, Revision 3 with Revision 3, TP-1

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Page 4 of 28	Revision 3, 11/29/83	TP-2
Page 5 of 28	Revision 2, 02/15/83	TP-3
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ATTACHMENT III		
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ATTACHMENT V		
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ATTACHMENT VI		
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ATTACHMENT VIII		
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ATTACHMENT IX		
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ATTACHMENT X		
Page 1 of 1	Revision 2, 02/15/83	
ATTACHMENT XI		
Page 1 of 1	Revision 2, 02/15/83	
ATTACHMENT XII		
Page 1 of 1	Revision 2, 02/15/83	
ATTACHMENT XIII		
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ATTACHMENT XIV		
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Page 1 of 1	Revision 2, 02/15/83	
ATTACHMENT XVII		
Page 1 of 1	Revision 2, 02/15/83	
ATTACHMENT XVIII		
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ATTACHMENT XIX		
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ATTACHMENT XX		
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ATTACHMENT XXI		
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ATTACHMENT XXII		
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ATTACHMENT XXV		
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3.5 No Type B radioactive material shipments shall be made without an approved procedure for Type B shipments.

3.6 The use of temporary shielding (such as metal shoring or lead sheets) banded or attached to the package so as to conform to applicable regulatory limits for external radiation is not authorized unless it is specifically provided for in the Certifcate of Compliance issued by the NRC.

3.7 Resin shipped off-site for Burial shall not exceed 10 ci/cu. ft. | TP-

4.0 CHECK OFF AND INFORMATION SHEETS

Attachment I	Truck/Trailer Inspection Check-Off Sheet
Attachment II	Cement Solidification Verification Log
Attachment III	Cement Waste Solidification Data Sheet
Attachment IV	Calculation Sheet for Cement Solidification of Resin
Attachment V	Waste Management Simple Flow Diagram
Attachment VI	Responsibility
Attachment VII	U.S. Ecology, Inc. Radioactive Shipping Record
Attachment VIII	Chem Nuclear Systems, Inc., Radioactive Shipping Record
Attachment IX	Washington Low Level Radioactive Waste Shipment Certification
Attachment X	Nevada Low Level Radioactive Waste Shipment Certification
Attachment XI	Nevada Certification
Attachment XII	Driver Instructions for Maintenance of Exclusive Use Shipment Controls
Attachment XIII	State Police Notification Forms
Attachment XIV	Radioactive Waste Truck Radiation/Contamination Survey
Attachment XV	South Carolina Radioactive Waste Shipment Certification Form
Attachment XVI	South Carolina Prior Notification and Manifest Form
Attachment XVII	Radioactive Waste Shipment Notification Form
Attachment XVIII	Radioactive Waste Shipment Checkoff Sheet
Attachment XIX	HN-100 Liner
Attachment XX	Filter Change Sign-Off Sheet
Attachment XXI	Low Level Waste Box Inventory

Attachment XXII Demineralizer Resin Calculation Sheet

Attachment XXIII Transport Grouping of Radionuclides

Attachment XXIV Certification Statement For Disposal of Radlok High Integrity Containers | TP-2

Attachment XXV Solidification Liner Calculation Sheet | TP-3

5.0 DETAILS

The plant waste processing equipment (demineralizers, evaporators, etc.) are designed to process wastes in the chemical and physical forms which exist in the operating plant systems. Plant administrative procedures dictate the plant system's chemical operating parameters, and routine sampling of these systems insure that all parameters are kept within the operating limits. Other procedures are in effect which prevent materials which effect waste system operation from entering these systems.

If alternate or additional equipment such as filters, demineralizers, incinerators, etc. are required for waste processing they will be operated by the philosophy established in this manual to assure that the final forms meet all the regulations for shipping and burial. Prior to the operation of any alternate equipment, procedures will be written and approved.

A. Liquid Processing And Solidification

The waste evaporators are operated by the instructions given in one of the following plant procedures:

1 OHP 4021.002.005	Operation of Waste Evaporator
1 OHP 4021.024.002	Pumping of Waste Evaporator Bottoms
12 OHP 4021.022.008	Placing In Service and Operation Of The South Boric Acid Evaporator Including System Line Up As A Waste Evaporator
1 OHP 4021.022.009	"S" Boric Acid Evaporator Cooldown And Pump Out of Evaporator Bottoms Operating As A Waste Evaporator

The evaporators are operated for the purpose of reducing the liquid waste activity levels such that these liquids can be released to the environment at concentrations within the limits of 10 CFR Part 20. Liquids which are

within the limits, can be released directly without further processing. With these releases being made the total volume of liquids which require solidification is reduced. This reduction in solidified volume makes it possible for fewer shipments of radioactive materials and less volume to be buried. TP-3

The limit of volume reduction is dependent on concentration of several chemical and radiochemical species (See Table I).

If the concentration of boron is allowed to increase above the limits of Table I the concentrates crystallize in the evaporator when cooled down for pump-out, creating mechanical problems for the evaporator and pumps. To prevent crystallization of evaporator concentrates the concentration of boron is kept below the limits of Table I and sodium hydroxide is added as required to maintain an elevated pH to convert the H_3BO_3 to sodium tetraborate which is much more soluble than H_3BO_3.

$$4H_3BO_3 + 2NaOH \rightarrow Na_2B_4O_7 + 7\ H_2O$$

The concentration of chlorides in the evaporator concentrates is kept below the limit of Table I in order to prevent material damage to the evaporator. If the concentration is allowed to increase above the limit of Table I there is a possibility of corrosion of the evaporator internal surfaces, including the heater tubes. If these tubes are corroded to the point where they would leak, activity would enter the steam system. These tubes would then have to be plugged or replaced.

The activity levels in the evaporator concentrates are monitored as an aid to evaluate the need for shielded transport equipment.

Samples are taken periodically by Chemical Section personnel during the batch evaporator operation to maintain the evaporator bottoms within the limits of Table I, however, evaporator bottoms maybe properly solidified for shipping and burial within the limits of Table II by the use of the procedures given in this program.

TABLE I

Waste Evaporator Normal Operating Limits

BORON, B	20,000 to 30,000 ppm as B
pH	> 9.0
CHLORIDES, Cl	500 ppm
Gross BT total	0.2 uci/cc

TABLE II

Waste Evaporator Concentrates Limits For Solidification

BORON	0 - 40,000 ppm
pH	7.4-9.2 or >11.5
CHLORIDES	0 - 1000 ppm
ACTIVITY OF	0 - 0.0001 Millicurie/gram of Radionuclides for which the A2 quantity is not more than 0.05 curies.
FISSION AND	0 - 0.005 Millicurie/gram of Radionuclides for which the A2 quantity is more than 0.05 but not more than 1.0 curie.
ACTIVATION PRODUCTS	0 - 0.3 Millicurie/gram of Radionuclides for which the A2 quantity is more than 1.0 curie.

TP-2

NOTES:

1. A_1 means the maximum activity of special form radioactive material permitted in a Type A package. A_2 means the maximum activity of radioactive material, other than special form or low specific activity radioactive material, permitted in a Type A package. These values are either listed in Attachment VII, 12 THP 6010 RAD.304 or may be derived in accordance with Step 6.2.3.6, 12 THP 6010 RAD.304.

2. A_1 values are not required by this procedure.

For the purposes of the PCP a batch is defined as the amount of wet radioactive waste placed in a liner.

If any test specimen fails to solidify, the batch under test shall be suspended until such time as additional test specimens can be obtained, alternative solidification parameters can be determined in accordance with the Process Control Program, and a subsequent test verifies solidification. Solidification of the batch may then be resumed using the alternate solidification parameters determined.

For high activity waste, where the handling of samples could result in personnel radiation exposures which are inconsistent with the ALARA Principle, representative nonradioactive samples will be produced and tested. These samples should be as close to the actual waste in their physical and chemical properties as possible to verify proper solidification parameters.

Waste Solidification Data Sheet Attachment III

A Waste Solidification Data Sheet will be maintained for each test sample solidified. Each data sheet will contain pertinent information on the test sample and the batch numbers of wastes solidified based on each test sample.

The Test Sample Data will include, but not be limited to, the type of waste solidified, major radioactive constituents pH, volume of sample, identification of oil in samples and the ratio of the sample to the final volume of the solidified product.

The Waste Solidification Data Sheet will include the batch number, batch volume, and date solidified, for each batch solidified based on the sample described on the test sample data sheet.

Collection Of Samples

Two samples of the batch of liquid to be solidified shall be taken for analysis. Sample sizes shall be compatible with the standard size sample used for the radioactivity analysis and the second for the chemical analysis. If the radioactivity levels are too high to permit full size samples to be taken then smaller samples shall be taken with the results corrected accordingly.

TEST SOLIDIFICATION AND ACCEPTANCE CRITERIA

*Test Solidification

NOTE: Test solidifications shall be performed using a representative sample of the waste to be solidified. No waste is to be added to a liner after the test solidification has been performed. If waste additions must be made, a new test solidification shall be performed.

Test solidifications should be conducted using a 1000 ml disposable beaker or similar size container. Mixing should be accomplished by stirring until a homogeneous mixture is obtained. (Minimum stirring time 5 minutes.)

Measure into the mixing vessel 400 ml. of the waste to be solidified. | TP-

Measure out 440 grams of (Portland I) cement and 63 grams of sodium metasilicate (anhydrous) and add this to the waste to be solidified. The cement and sodium metasilicate (anhydrous) must be from the same lot of materials which are to be used for the solidification. If two lots are to be used then the test must be made with the exact proportions of each lot which are to be used in the liner. | TP-

Mix the cement (Portland I) and sodium metasilicate (anhydrous) together and slowly add this mixture to the test sample while it is being stirred.

After two (2) minutes of mixing and a homogeneous mixture is obtained allow the waste to stand for a minimum of 4 hours. TP-

Solidification Acceptability

The following criteria defines an acceptable solidification process and process parameters.

NOTE: This test solidification is for the HN-100 LVM liners only. If using regular HN-100 liners, use alternate solidification parameter 2.1. | TP-

The solidification is considered acceptable, if upon visual inspection of the sample, the waste appears that it would hold its shape if removed from the beaker and it resists penetration, and no more than 0.5% of the total volume of the beaker is free water.

Solidification Unacceptability

If the waste fails any of the criteria set forth above, the solidification will be termed unacceptable and a new set of solidification parameters will need to be established.

If the test solidification is unacceptable then the same test procedures must be followed on each subsequent batch of the same type of waste until three (3) consecutive test samples are solidified.

Alternate Solidification Parameters

If a test sample fails to provide acceptable solidification of the waste the following procedures should be followed:

1. Mix equal volumes of dry cement and water to ensure that the problem is not a bad batch of cement.

2. Add additional caustic/acid solution to the sample to adjust the pH as required. TP

3. If the waste is only partially solidified, use lower waste to cement ratios.

   Prepare test as follows allowing at least one hour for each test to solidify. If each test doesn't solidify, go to the next set of parameters.

	TEST			=	LINER		
	MLS Waste	GM Cement	GM Sodium Meta Silicate (Anhydrous)	Gallons Waste	Bags Cement	Bags Sodium Meta Silicate (Anhydrous)	
1.	400	505	84.2	812	91	14	
2.	438	479	68.6	780	76	10	TP-
3.	400	523	75.4	712	83	11	
4.	375	567	82.3	668	88	12	
5.	350	592	89.1	623	94	13	
6.	325	624	96.0	579	99	14	

3. Remove these filters and then lay them on the floor to air dry.

4. Continue steps 1, 2 and 3 until all filters have been compressed.

5. After the filters have had sufficient time to air dry, as determined by visual/physical inspection, obtain a shipping barrel. Place approximately three liters of absorbent material (currently available in the Drumming Room) into the shipping barrel.

   NOTE: No dripping or wet filters are to be placed into the shipping barrel. The absorbent material is ONLY used to absorb condensation and unintentional amounts of liquids.

6. Line the barrel with a poly bag.

7. Compact the dried filters into this barrel until it is full. Seal the top of the liner. Secure the lid and lock ring.

8. Continue Steps 5, 6 and 7 until all filters are compacted into barrels.

   All of the above operations are performed within the limits of the following procedure: 12 THP 6010 RAD.303, Solid Waste Handling and Drumming.

This section applies to all sludge lance filters. Sludge lance filters with a specific activity of less than 1 μc/cc of radionuclides with a greater than 5 year half-life, may be shipped in accordance with this procedure. TP-1

Sludge lance filters with a specific activity greater than 1 μc/cc of radionuclides with a greater than 5 year half-life may not be shipped with out an approved procedure for filters of this specific activity.

These statements are as a result of a request by the South Carolina Dept. of Health and Environmental Control dated 22 Aug 1983.

C. Noncompressible Waste-Filters

All liquid process type filters should be removed by the specific individual filters change procedure (See Attachment VI, page 5 of 5) and transported to the Drumming Room. To ensure adequate drain time for removal of free standing liquid, filters must be drained as follows:

Test Solidification

NOTE: Test solidifications shall be performed using a representative sample of the waste to be solidified. No waste is to be added to a liner after the test solidification has been performed. If waste additions must be made, a new test solidification shall be performed.

1. Any sample to be solidified shall be pretreated as specified in Section 1 under Test Solidification and Acceptance Criteria.

2. Test Solidifications should be conducted using a 1000 ml. disposal beaker or similar size container. Mixing should be accomplished by stirring with an electric mixer until a homogeneous mixture is obtained, but in no case for less than three (3) minutes.

3. For the test solidifications of resin, measure into two mixing vessels 240 gms of uncompacted dewatered resin each and add 90 ml of water.

4. Measure out the required quantities of cement and anhydrous sodium metasilicate as shown below. Volumes are for loose, uncompacted material.

	Grams Cement		Grams Anhydrous Sodium Metasilicate	
*Waste	Sample A	Sample B	Sample A	Sample B
Resins	189	236	19	24

5. Slowly add the cement to the test sample while it is being mixed.

6. After all of the cement is added, slowly add the anhydrous sodium metasilicate to the test sample while it is being mixed.

7. After sufficient (3 minutes after all cement and anhydrous sodium metasilicate is added) mixing so that a homogeneous mixture is obtained allow the waste to stand for a minimum of 4 hours.

Solidification Acceptability

The following criteria define an acceptable solidification process and process parameters:

1. The sample solidifications are considered acceptable if there is no visual or drainable free water.

*NOTE: Sample A represents minimum amount Attachment IV Page 1
Sample B represents recommended amounts Attachment IV Page 2 | TP-

Day of shipment, prior to departure

Verbally notify burial site being shipped to and transmit a copy of the 10CFR 20.311 Manifest. For shipments to the Barnwell Site, the route through South Carolina must be given. TP-3

Barnwell Burial Site - Angie Jones - 803-259-3577
Chem-Nuclear Linda Bragg - 803-259-3578
Systems, Inc.

Beatty Burial Site - Steve Carpenter - 702-553-2203
U.S. Ecology, Inc.

Richland Burial Site - Vern D. Apple - 509-377-2411

If there are any changes in the Prior Notification and Manifest for the Barnwell Site, the State of South Carolina must be notified in addition to the Burial Site.

State of S. C. - Virgil Autry
Betty Bethea - 803-758-7806
Kim Noble

Notification of the Michigan State Police must be given prior to shipment. (See Attachment XIII)

Michigan State Police - 616-469-1111

G. SHIPPING

All shipping of radioactive materials for burial or for other reasons are required by procedure to comply with all NRC and DOT regulations. All packaging in the above steps of this program are designed to insure compliance with all the appropriate regulations. The following procedures are used to insure and/or verify compliance with the regulations.

PMI 3150	Receipt And Shipment Of Radioactive Materials. TP-3
12 THP 6010 RAD.304	Shipment Of Radioactive Materials
12 THP 6040 PER.467	Cask Handling

The following will be the order in which the Radioactive Shipment Records (RSR) are to be completed prior to any forms being distributed to the respective personnel.

1. Completion of shipping records
2. RP Supervisor for signature on survey (Attachment XIV) | TP-3
3. Environmental Section for signature and correction check on RSR forms.
4. Carrier for signature
5. Three (3) copies of the Chem Nuclear (RSR), and U.S. Ecology, Inc. (RSR) are to be made.

Distribution As Follows:

The originals of the Shipping Papers will go to the following personnel, with copies also listed:

D. C. COOK NUCLEAR PLANT

State Police Notification Form
Radioactive Waste Shipment Notification Form
Radioactive Waste Shipment Checkoff Sheet
Truck/Trailer Inspection Check-Off Sheet

Original	To Environmental Section

Demineralizer Resin Calculation Sheet

Original	To RP
1 Copy	To Environmental
1 Copy	To Driver

Certification Statement For Disposal of Radlok High Integrity Containers | TP-2

Original	To Driver
1 Copy	To Environmental

BARNWELL WASTE MANAGEMENT FACILITY - RSR

2 White Originals	To Driver
White Original	To Environmental Section
1 Copy	To Stores
1 Copy	To RP Section
1 Copy	To HNDC

TP-3

STATE OF S. C. PN&M AND CERTIFICATION FORMS

3 Copies	South Carolina Prior Notification and Manifest Form to Driver
1 Copy	South Carolina Prior Notification and Manifest Form to Environmental Section
Original	South Carolina Radioactive Waste Shipment Certification Form to Driver
1 Copy	South Carolina Radioactive Waste Shipment Certification Form to Environmental Section

DRIVER OF TRANSPORT VEHICLE

Original	Hittman Nuclear & Development Corp. Driver Instructions for Maintenance of Exclusive Use Shipment Controls	
Original	Washington Low Level Radioactive Waste Shipment Certification	
2 White Originals	Barnwell Waste Management Facility (RSR)	TP-3
*1 Copy	Resin Gamma Spectrum Printout	
2 White Disposal Site Copies	U.S. Ecology, Inc. (RSR)	
1 Carrier Copy	U.S. Ecology, Inc. (RSR)	
Original	Nevada Low Level Radioactive Waste Shipment Certification	
*1 Copy	Demineralizer Resin Calculation Sheet	
Original	Nevada Certification	
3 Copies	South Carolina Prior Notification and Manifest Form	
1 Copy	South Carolina Radioactive Waste Shipment Certification	
1 Copy	Radioactive Waste Truck Radiation/ Contamination Survey	
Original	Certification Statement For Disposal of Radlok High Integrity Containers	TP-2

NOTE: The driver of the transport vehicle will be given two or more extra placards/placard holders for replacement purposes if any of the affixed placards become lost or damaged during transit. For transport vehicles which the placard holder is permanently affixed on all four (4) sides, extra placards will not need to be given to the driver.

ENVIRONMENTAL SECTION

White Original	Barnwell Waste Management Facility (RSR)	TP-3
Original	State Police Notification Form	
Original	Radioactive Waste Shipment Notification Form	
Original	Radioactive Waste Shipment Checkoff Sheet	
Copy	Radiation/Contamination Truck Survey	
*Copy	Resin Gamma Spectrum Printout	
Customer Copy	U.S. Ecology, Inc. (RSR)	
Copy	Nevada Low Level Radioactive Waste Shipment Certification	
Copy	Nevada Certification	
Copy	Washington Low Level Radioactive Waste Shipment Certification	
Copy	South Carolina Prior Notification and Manifest Form	
Copy	South Carolina Radioactive Waste Shipment Certification	
Original	Truck/Trailer Inspection Check-Off Sheet	
*Copy	Demineralizer Resin Calculation Sheet	
Copy	Certification Statement For Disposal of Radlok High Integrity Containers.	TP-2

*Only when resin is being shipped. A gamma spectrum printout and a Demineralizer Resin calculation sheet must be provided for each package containing resin being shipped.

RADIATION PROTECTION SECTION

1 Copy	Barnwell Waste Management Facility (RSR)
Original	Radiation/Contamination Truck Survey
1 Copy	U.S. Ecology, Inc. (RSR)
Original	Demineralizer Resin Calculation Sheet

H. ACKNOWLEDGEMENT OF SHIPMENT

Within seven (7) days after the estimated time of arrival at the designated burial site, a signed copy of the manifest verifying receipt of the shipment shall be received by the Plant. If acknowledgement of the shipment has not been received, initiate the requirements of 10 CFR 20.311.

I. WASTE CLASSIFICATION

Evaporator Concentrates

For the period from January 1, 1984 to December 31, 1984, evaporator concentrates shipped offsite for burial will be defined as Class A waste. The total quantity of the radionuclides H-3, C-14, TC-99, I-129 and Ni-63 must be shown on the Radioactive Shipment Manifest, using the following concentrations: TP-3

H-3 - 6.73 E-2 µci/cc
C-14 - 4.00 E-5 µci/cc
TC-99 - 3.50 E-5 µci/cc
I-129 - <2.00 E-5 µci/cc
Ni-63 - 4.60 E-2 µci/cc

Resin From The Spent Resin Storage Tank

For the period from January 1, 1984 to December 31, 1984, resin from the spent resin storage tank shipped offsite for burial will be defined as Class B waste. High Integrity Containers meet the stability requirements of 10 CFR Part 61.56. Resin shipped in these containers meeting the requirements of the Certificate of Compliance require no further stabilization. Resin shipped in non-High Integrity Containers must be stabilized as required by 10 CFR Part 61.56. The vendor is responsible for meeting the stability requirements and presenting to the Plant an approved topical report. This report should be submitted to the Plant on an annual basis commencing January 1, 1984.

The total quantity of the radionuclides H-3, C-14, TC-99, I-129, Ni-63 and Sr-90 must be shown on the Radioactive Shipment Manifest, using the following concentrations:

H-3 - 1.23 E-1 µci/cc
C-14 - 5.73 E-2 µci/cc
TC-99 - 7.03 E-2 µci/cc
I-129 - <2.00 E-4 µci/cc
Ni-63 - 2.13 E+1 µci/cc
Sr-90 - 5.30 E-1 µci/cc

The shipment paperwork must also include the specific activity of the transuranic radionuclides using the following concentrations:

Pu-238	1.32 E-1 nci/gm
Am-241	4.85 E-1 nci/gm
Pu-239,-240	1.07 E-1 nci/gm
Pu-241	2.18 E+1 nci/gm
Cm-242	4.67 E-2 nci/gm
Cm-243,-244	8.38 E-2 nci/gm

Unit 1 and 2 Steam Generator Blowdown Treatment Resin

For the period from January 1, 1984 to December 31, 1984 resin from the steam generator blowdown treatment system will be defined as Class A - unstable. The total quantity of the radionuclides H-3, C-14, TC-99, I-129, Ni-63 and Sr-90 must be shown on the Radioactive Shipment Manifest, using the following concentrations:

	Unit 1	Unit 2
H-3	6.13 E-4 µci/cc	1.29 E-4 µci/cc
C-14	<2.00 E-6 µci/cc	<3.00 E-6 µci/cc
Tc-99	6.10 E-6 µci/cc	1.80 E-5 µci/cc
I-129	<1.00 E-5 µci/cc	<1.00 E-5 µci/cc
Ni-63	1.60 E-4 µci/cc	1.30 E-4 µci/cc
Sr-90	<4.00 E-6 µci/cc	9.00 E-5 µci/cc

The shipment paperwork must also include the specific activity of the transuranic radionuclides using the following concentrations: TP-3

	Unit 1	Unit 2
Pu-239,-240	2.60 E-4 nci/gm	6.20 E-4 nci/gm
Pu-241	<3.30 E-2 nci/gm	6.80 E-2 nci/gm
Pu-238	1.30 E-3 nci/gm	5.80 E-3 nci/gm
Am-241	2.20 E-3 nci/gm	1.80 E-3 nci/gm
Cm-242	<1.40 E-4 nci/gm	<7.40 E-5 nci/gm
Cm-243,-244	1.00 E-3 nci/gm	1.10 E-3 nci/gm

Dry Active Waste - Compressible and Non-Compressible

Tor the period from January 1, 1984 to December 31, 1984, dry active waste shipped offsite for burial will be defined as Class A waste. The total quantity of the radionuclides H-3, C-14, Tc-99 and I-129 must be shown on the Radioactive Shipment Manifest using the following concentrations:

H-3	2.60 E-4 µci/cc
C-14	<4.00 E-7 µci/cc
Tc-99	4.40 E-4 µci/cc
I-129	<7.00 E-7 µci/cc

J. TRAINING

Personnel who routinely handle and ship radioactive waste (see Attachment VI) will be trained at least annually on the current regulations (see References Section) and the plant instructions and procedures which apply to Waste Handling.

Batch No: _____
Sample No: _____
Date: _____

CEMENT WASTE SOLIDIFICATION DATA SHEET FOR

_____
(Type of Waste)

Batch No: _____ Sample No: _____

Sample Volume, ml:

pH[1]:

Indications of Oil/Detergent:

Other Major Constituents:

Quantity of Cement Added: _____ Cement Lot #/or Date Received _____

Quantity of Sodium Meta Silicate (Anhydrous) _____ Sodium Metasilicate (Anhydrous) Lot #/or Date Received _____

Final Product to Waste Ratio:

Product Acceptability:

Radionuclides Present:
(Isotopes & Concentrations)

---

[1] If pH adjustment is required note chemical used, quantity used and pH after adjustment. pH must be in range of 7.4-9.2 or >11.5. | TP-1

SOLIDIFICATION DATA TABLES

I. For the Minimum Amount of Cement and Additive

	HN-100					HN-600*			
	Series 1	Series 2	Series 3	100-S	HN-200	S	G	S+G	R
Usable Liner Volume (cu.ft.)	143.0	143.0	143.0	143.0	59.5	59.6	64.6	57.7	64.6
Max. Dewatered Waste Volume (cu.ft.)	105.0	102.3	110.0	110.0	48.3	48.3	52.4	46.8	52.4
Max. Solidified Waste Vol. (cu.ft.)	129.5	126.2	143.0	143.0	59.5	59.6	64.6	57.7	64.6
Cement Added at Max. Waste Volume									
Weight (lbs.)	4126.1	4020.8	4320.7	4320.7	1896.4	1899.6	2059.0	1839.0	2059.0
Volume (bags)	43.9	42.8	46.0	46.0	20.2	20.2	21.9	19.6	21.9
Anhydrous Sodium Metasilicate Added at Max. Waste Vol.									
Weight (lbs.)	412.6	402.1	432.1	432.1	189.6	190.0	205.9	183.9	205.9
Volume (bags)	4.1	4.0	4.3	4.3	1.9	1.9	2.1	1.8	2.1
Water Added to Max. Waste Vol. (Gallons)	236.2	230.2	247.3	247.3	108.6	108.8	117.9	105.3	117.9
Max. Rad. Level R/hr contact	12	12	12	3	800	100	100	100	100

*
S = HN-600 Stackable
G = HN-600 Grappable
S+G = HN-600 Stackable - Grappable
R = HN-600 Regular

SOLIDIFICATION DATA TABLES

II. For the Recommended Amount of Cement and Additive

	HN-100					HN-600*			
	Series 1	Series 2	Series 3	100-S	HN-200	S	G	S+G	R
Usable Liner Volume (cu.ft.)	143.0	143.0	143.0	143.0	59.5	59.6	64.6	57.7	64.6
Max. Dewatered Waste Volume (cu.ft.)	95.8	93.3	106.2	106.2	47.0	47.0	51.0	45.5	51.0
Max. Solidified Waste Vol. (cu.ft.)	121.4	118.3	143.0	143.0	59.5	59.6	64.6	57.7	64.6
Cement Added at Max. Waste Volume									
Weight (lbs.)	4702.1	4582.1	5251.7	5251.7	2305.0	2308.9	2502.6	2235.3	2502.6
Volume (bags)	50.0	48.8	55.9	55.9	24.5	24.6	26.6	23.8	26.6
Anhydrous Sodium Metasilicate Added at Max. Waste Vol.									
Weight (lbs.)	470.2	458.2	525.2	525.2	230.5	230.9	250.3	223.5	250.3
Volume (bags)	4.7	4.6	5.3	5.3	2.3	2.3	2.5	2.2	2.5
Water Added to Max. Waste Vol. (Gallons)	215.5	210.0	240.7	240.7	105.6	105.8	114.7	102.4	114.7
Max. Rad. Level R/hr contact	12	12	12	3	800	100	100	100	100

*
S = HN-600 Stackable
G = HN-600 Grappable
S+G = HN-600 Stackable - Grappable
R = HN-600 Regular

SOLIDIFICATION DATA TABLES

SUMMARY

If the solidified evaporator concentrates liners requires shielding prior to shipment, all shipments will be overweight and will require a permit to be furnished by the carrier.

	HN-100 Series 1	HN-100 Series 2	HN-100 Series 3	HN-100S	HN-100 LVM Series 3*
Usable Liner Volume, (cu. ft.)	143	143	143	143	160.0
Max. Waste Vol. (cu. ft.)	84.8	82.7	104.5	101.9	117
Max. Solidified Waste Vol. (cu. ft.)	116	113.1	143	139.4	160
Cement Added at Max. Waste Vol.					
Weight (lbs.)	5,814.8	5,673.5	7,171.0	6,991.8	8023.5
Volume (bags)	61.9	60.4	76.3	74.4	85.4
Anhydrous Sodium Metasilicate Added at Max. Waste Vol.					
Weight (lbs.)	830.7	810.5	1,024.4	998.8	1146.2
Volume (bags)	8.3	8.1	10.2	10.0	11.5
Max. Radiation Level R/hr Contact	12	12	12	3	12

*For less than A_2 quantities of LSA waste.

GENERATOR NUMBER

RADIOACTIVE WASTE SHIPMENT & DISPOSAL MANIFEST

US ECOLOGY, INC.

EXECUTIVE OFFICE: (502) 426-7160
P.O. BOX 7246 • LOUISVILLE, KENTUCKY 40207
Illinois Office: (815) 454-2376

PAGE 1 OF _____ USE THIS NO. ON ALL CONTINUATION PAGES → 23410

(4) CONSIGNED TO
☐ P.O. BOX 618 Hanford Reservation Richland WA 99352 509 377 2411
☐ P.O. BOX 578 HWY 95 12 m So of Beatty NV 89003 702 553 2203
☐ OTHER
CONTACT
ADDRESS
CITY STATE ZIP
PHONE

(5) CARRIER SHIPPING DATE
CASK TYPE CASK SURFACE EXPOSURE RATE mR/hr
DRIVERS SIGNATURE

PROPER SHIPPING NAME & HAZARD CLASS (PER 49 CFR 172.101)	ID NUMBER
Radioactive Material, empty packages	UN2908
Radioactive Material, fissile, n.o.s. – Radioactive Material	UN2918
Radioactive Material, low specific activity, n.o.s. – Radioactive Material	UN2912
Radioactive Material, n.o.s. – Radioactive Material	UN2982
Radioactive Material, limited quantity, n.o.s. – Radioactive Material	UN2910
Radioactive Material, special form, n.o.s. – Radioactive Material	UN2974
Radioactive Material, instruments and articles – Radioactive Material	UN2911
Thorium Nitrate – Radioactive Material	UN2976
Uranyl Acetate (RQ 5000/2270) – Radioactive Material	NA9180
Uranyl Nitrate, solid (RQ 5000/2270) – Radioactive Material	UN2981

SHIPMENT TOTALS (DO NOT WRITE IN SHADED AREAS)

VOLUME (cu ft)	TOTAL # OF PACKAGES	SOURCE MATERIAL (gm)	SPECIAL NUCLEAR MATERIAL (gm) U233	U235	PLUTONIUM	TOTAL

ACTIVITY

ACTIVITY TOTALS ☐ Curies ☐ Megacuries (INCLUDE ☐)	TRITIUM	C-14	Tc-99	I-129	ALL ISOTOPES

Authorized Signature Title

TERMS AND CONDITIONS

FOR US ECOLOGY'S USE ONLY

DISPOSAL EVALUATION

TYPE OF CONTAINER	CONTAINER VOLUME CU FT	# OF THIS	CU FT PER CONTAINER TYPE
Drums			
55	7.10		
30	4.13		
5	0.67		
Other			
Boxes			
Other			
Other			
Other			
Disposal Totals			

BURIAL DATA

Date Received
Date Disposed
Trench No.
☐ This material was licensed form
☐ This material was disposed of in accordance with license
AUTHORIZED INITIALS

US ECOLOGY INVOICE # ☐☐ – ☐☐☐☐☐☐
US ECOLOGY CUSTOMER # ☐☐☐☐☐☐☐ (Must agree with Agent Discrepancy Form)
US ECOLOGY INVOICE DATE ☐☐ ☐☐ ☐☐ MO DY YR
DISCREPANCY CODE(S) ☐☐ ☐☐ ☐☐ ☐☐ ☐☐

BATES #

COMPLETE ORIGINAL COPY

FORM REV 12 27 83 LNC (MUST ACCOMPANY WASTE IN TRANSIT)

GENERATOR NO.

GENERATOR NAME

ASSIGNED DRIVER

US ECOLOGY, INC.

CONTINUATION SHEET

MANIFEST No.

PAGE ____ OF ____

PAGE TOTALS

(MUST ACCOMPANY WASTE IN TRANSIT)

FORM REV 12 27 83 LNC
CONSIGNEE ORIGINAL COPY

Page 2 of 2
Rev. 2, TP-3

BARNWELL WASTE MANAGEMENT FACILITY

Operated by: CHEM NUCLEAR SYSTEMS, INC.
P. O. Box 726, Barnwell, South Carolina 29812
(803) 259 1781
RADIOACTIVE SHIPMENT MANIFEST FORM

(1) GENERATOR NAME _____
ADDRESS _____
CITY _____ STATE _____
CONTACT _____ PHONE _____

(2) CARRIER _____ ADDRESS _____
TELEPHONE _____ SHIPPING DATE _____
SHIPMENT TYPE _____ SHIPMENT SURFACE EXPOSURE _____ mR/hr
SHIPMENT NO _____ LINER SERIAL NO _____
DRIVER SIGNATURE _____ DATE _____

(3) consigned to:
CHEM NUCLEAR SYSTEMS, INC.
P. O. BOX 726, OSBORN ROAD
BARNWELL, S.C. 29812

(4) USE THIS NUMBER ON ALL CONTINUATION PAGES _____ VOLUME ALLOCATION NO _____ PAGE ____ OF ____

(5) TOTAL FOR EACH CLASS: NO. of PACKAGES	WEIGHT (Pounds)	PROPER SHIPPING NAME & HAZARD CLASS (PER 49 CFR 172.101)	ID NUMBER
		Radioactive Material, empty packages	UN2908
		Radioactive Material, fissile, n.o.s. – Radioactive Material	UN2918
		Radioactive Material, low specific activity, n.o.s. – Radioactive Material	UN2912
		Radioactive Material, n.o.s. – Radioactive Material	UN2982
		Radioactive Material, limited quantity, n.o.s. – Radioactive Material	UN2910
		Radioactive Material, special form, n.o.s. – Radioactive Material	UN2974
		Radioactive Material, instruments and articles – Radioactive Material	UN2911
		Other (Specify)	

(6) SHIPMENT TOTALS

VOLUME (Cubic Feet)	TOTAL NO. OF PACKAGES	ACTIVITY (10 CFR 20.311) (1) Curies (2) Millicuries: ALL ISOTOPES	Tritium	C-14	Fe-55	I-129	SOURCE (Pounds)

(7) TOTAL FNM	GRAMS
U-233	
U-235	
Pu-239	
Pu Other	
TOTAL	

(8) TOTAL PALLET VOLUME (CU. FT.) _____

(9) WASTE DESCRIPTION _____ (10) PHYSICAL FORM/ SOLIDIFICATION AGENT _____ (11) CHEMICAL FORM AND NAME AND % OF CHELATING AGENT(S) _____ (12) WASTE FORM CLASS: ☐ A ☐ B ☐ C

(13) ( ) Yes ( ) No THIS VEHICLE IS CONSIGNED EXCLUSIVE USE. LOADING AND UNLOADING MUST BE ACCOMPLISHED BY CONSIGNOR OR CONSIGNEE OR HIS DESIGNATED AGENT.

(14) IMPORTANT: "This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation."

Signature _____
Company _____ Date _____

(15) "Certification is hereby made to the South Carolina Department of Health and Environmental Control that this shipment of low level radioactive waste has been inspected in accordance with the requirements of South Carolina Radioactive Material License No. 097 as amended, and the Nuclear Regulatory Commission's License No. 17-13536-01 as amended, and the effective Barnwell Site Disposal Criteria within 48 hours prior to shipment, and further certification is made that the inspection revealed no items of non compliance with all applicable laws, rules and regulations."

Date _____ By _____
Title and Organization _____
Telephone No. ( ) _____

CNSI USE ONLY

☐ This material meets all license requirements
☐ This material was disposed of in accordance with license
☐ Discrepancy _____

DISPOSAL SITE COPY

Form No. CNS 201
(9 83)

SEE INSTRUCTIONS ON REVERSE SIDE FOR FILLING OUT THIS FORM

Arrival Date _____ Arrival Survey No _____
Date/Time Buried _____ at P. Initial _____
Trench No _____ Location Code _____
Waste Class Code _____
Personnel Exposure _____

Date _____
Authorized Signature _____ Title _____

BARNWELL WASTE MANAGEMENT FACILITY

Operated by: CHEM NUCLEAR SYSTEMS, INC.

GENERATOR NAME ______________________

USE THIS NUMBER ON ALL CONTINUATION PAGES   VOLUME ALLOCATION NO.

CONTINUATION SHEET

PAGE ___ OF ___

(16) ITEM NO.	(17) RADIONUCLIDE EACH CONTAINER	(18) PERCENT OF ACTIVITY EACH NUCLIDE	(19) ACTIVITY EACH CONTAINER (μCi)	(20) PHYSICAL FORM	(21) CHEMICAL FORM AND NAME & % OF CHELATING AGENT	(22) WASTE DESCRIPTION	(23) WASTE FORM CLASS	(24) STABILITY CLASS (S, U)	(25) SPECIAL NUCLEAR MATERIAL (grams)	(26) SOURCE MATERIAL (pounds)	(27) DISPOSABLE CONTAINER WEIGHT (pounds)	(28) DISPOSABLE CONTAINER VOLUME (Cu. Ft.)	(29) CONTAINER TYPE	(30) RADIATION LEVELS (R/Hr) CONTAINER SURFACE (mR/Hr)	(30) 1 METER mR/HR	(31) CONTAMINATION CONTAINER SURFACE (DPM/100 cm2) Alpha Beta Gamma	(32) DOT SUB TYPE (A1, A2, LSA, etc.)	(33) FISSILE CLASS	(34) LABELS/ MARKINGS USED
																			Radioactive -
																			Radioactive -
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Form No. CNS 201
(9 83)

DISPOSAL SITE COPY

3-33

STATE POLICE NOTIFICATION FORM

A. CARRIER'S NAME _____

B. COLOR AND NUMBER OF CAB _____

C. COLOR, NUMBER, AND LENGTH OF TRAILER _____

D. ROUTE FROM PLANT THROUGH MICHIGAN AND INDIANA _____

_____

_____

E. TYPE AND DESCRIPTION OF CONTAINER _____

_____

F. DESCRIPTION OF SHIPMENT _____

_____

G. MAXIMUM RADIATION LEVEL IN MR/HR AT 2 METERS FROM TRAILER _____ TP-3

H. TOTAL CURIE CONTENT OF SHIPMENT _____

I. TIME AND DATE OF SHIPMENT _____

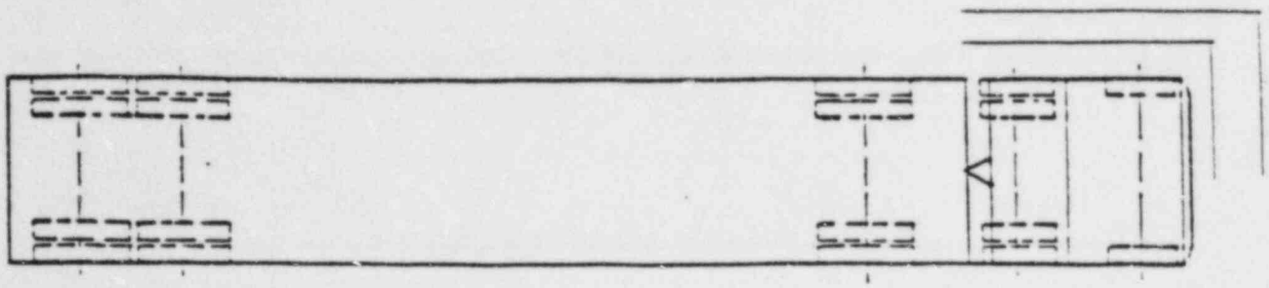
J. COMPANY NAME I & M Electric Co. D. C. Cook Plant
Bridgman, MI.

K. YOUR NAME _____

INCOMING SURVEY - FLATBED

TRAILER NO._____

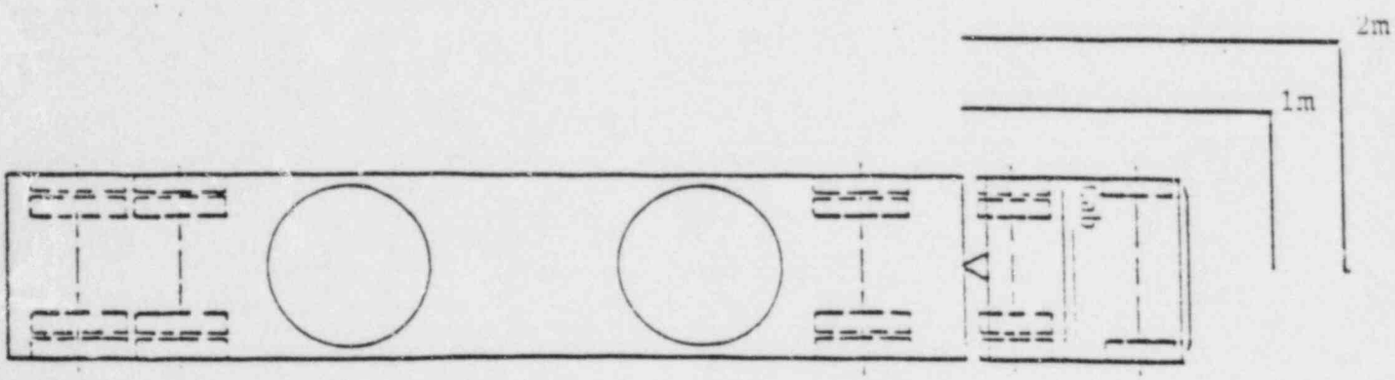
*All smears <50 dpm and all readings <0.2 mR/hr, unless noted.



DATE_____ TECHNICIAN_____

TIME_____ INSTRUMENT_____

OUTGOING SURVEY - FLATBED CARRIER_____ TRAILER_____



MAX. RAD. LEVEL (C)_____ DATE/TIME_____

MAX. RAD. LEVEL (1m)_____ TECHNICIAN_____

MAX. RAD. LEVEL (2m)_____ INSTRUMENT_____

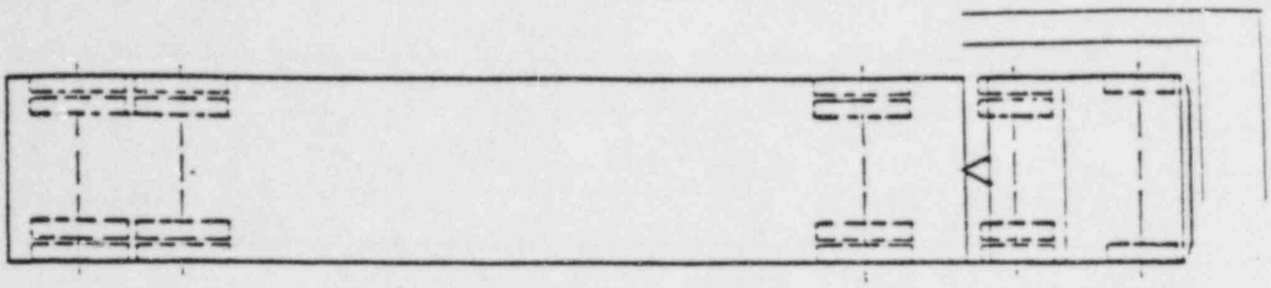
THIS IS TO CERTIFY THAT THIS SURVEY OF THE TRANSPORT VEHICLE IS CORRECT ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

_____
PLANT RP SUPERVISOR OR DESIGNEE

INCOMING SURVEY - VAN OR RAGTOP

*All smears <50 dpm and all readings <0.2 mR/hr, unless noted.

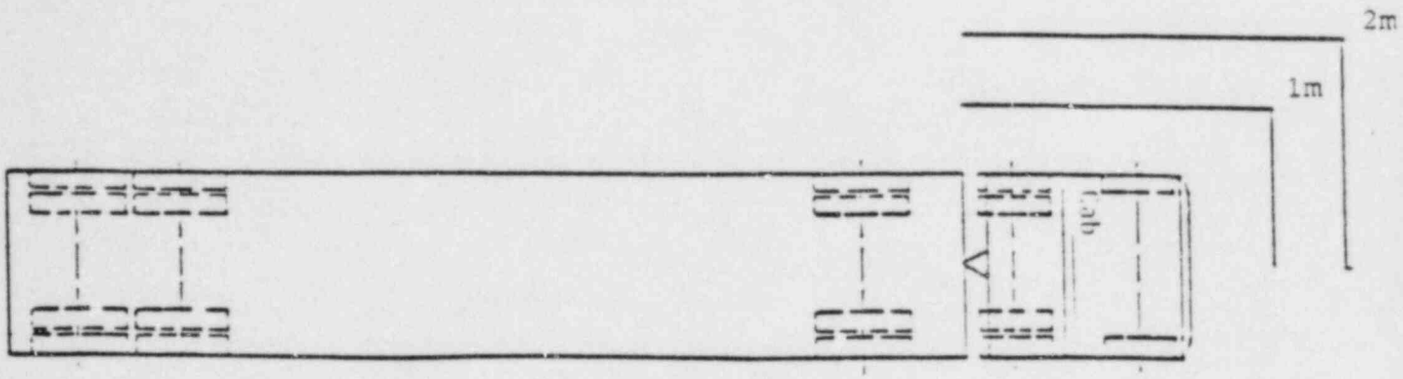
TRAILER NO._____



DATE_____ TECHNICIAN_____

TIME_____ INSTRUMENT_____

OUTGOING SURVEY - VAN OR RAGTOP CARRIER_____ TRAILER_____



MAX. RAD LEVEL (C)_____ DATE/TIME_____

MAX. RAD LEVEL (1m)_____ TECHNICIAN_____

MAX. RAD LEVEL (2m)_____ INSTRUMENT_____

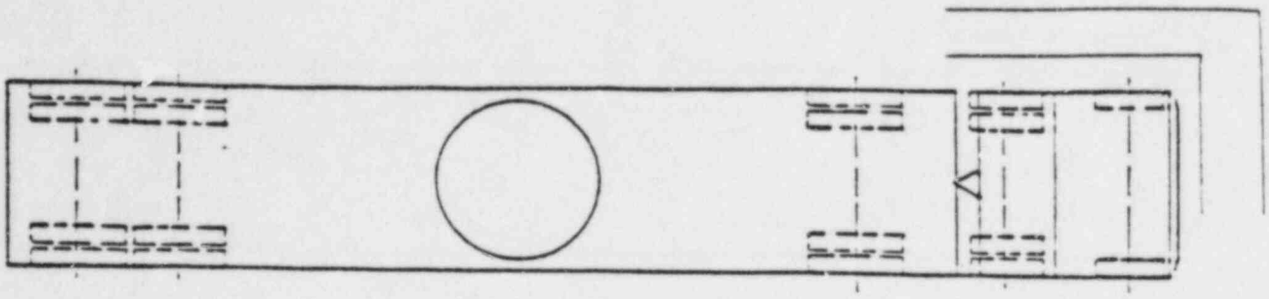
THIS IS TO CERTIFY THAT THIS SURVEY OF THE TRANSPORT VEHICLE IS CORRECT ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

_____
PLANT RP SUPERVISOR OR DESIGNEE

INCOMING SURVEY - CASK

*All smears <50dpm and all readings <0.2 mR/hr unless noted.

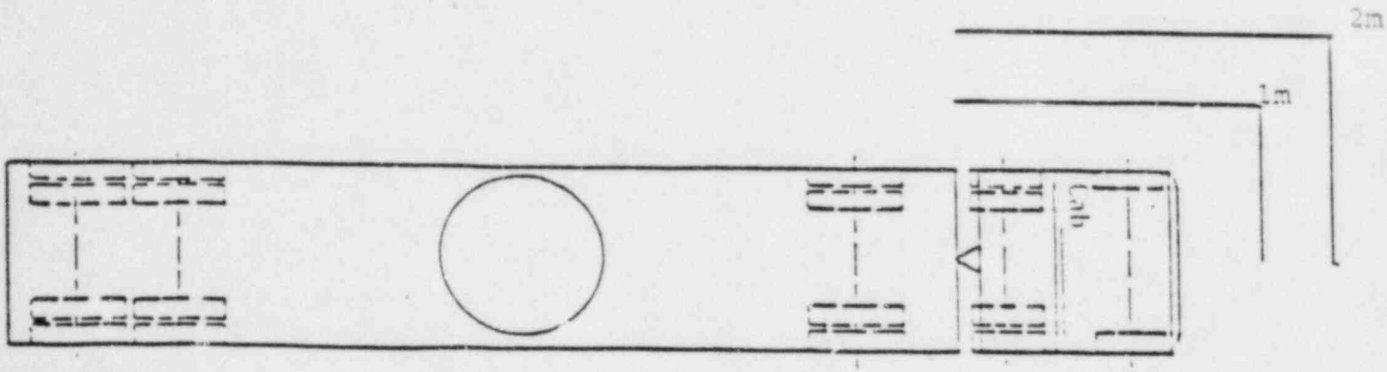
TRAILER NO._____



DATE_____ TECHNICIAN_____

TIME_____ INSTRUMENT_____

OUTGOING SURVEY - CASK CARRIER_____ TRAILER _____



MAX. RAD. LEVEL (C)_____ DATE/TIME_____

MAX. RAD. LEVEL (1m)_____ TECHNICIAN_____

MAX. RAD. LEVEL (2m)_____ INSTRUMENT_____

THIS IS TO CERTIFY THAT THIS SURVEY OF THE TRANSPORT VEHICLE IS CORRECT ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

_____
PLANT RP SUPERVISOR OR DESIGNEE

RADIOACTIVE WASTE SHIPMENT CHECK OFF SHEET

Prior to Shipment Date

Shipment No._____ Allocation No._____

Prior Notification Forms Mailed

Requirement: At least seven (7) days prior to date of shipment

Site	Date	Initial
Barnwell		
Beatty		
Richland		

State	Date	Initial
Michigan		
South Carolina		

Prior Notification Forms Telecopied *(If Mailing Requirement Is Not Met)

Requirement: At least seventy-two (72) hours prior to arrival of shipment at the Burial Site.

Site	Date	Initial
Barnwell		
Beatty		
Richland		

Prior Notification Given (Telephone)

Requirement: At least seven days prior to date of shipment.

State	Date	Initial
Michigan		

Shipment Schedule Arranged (Telephone)

Requirement: When shipping schedule has been determined with applicable Burial Site.

HNDC Personnel Contacted	Date	Initial

Shipment Schedule Arranged (Mail)

Requirement: On day of telephone notification.

HNDC Personnel Forms Mailed To (Name)

Date of Shipment

State Police Notification

Requirement: At least one hour prior to shipment departure.

Date	Time	Officer Notified	Initial

Burial Site Notification

Requirement: To be given when shipment departs plant site.

Date	Time	Personnel Contacted	Site	Initial
			Barnwell Beatty Richland	

State Notification

Requirement: Notification given only if there is a change in the PN&M Form.

Date	Time	Personnel Contacted	State	Initial
			South Carolina	

Radioactive Shipment Record (RSR) Check For Completeness

Requirement: Thorough check of every column on RSR for proper wording and correct information.

Date	Time	RSR	Initial
		Chem-Nuclear U.S. Ecology, Inc.	

Vehicle/Package Check

Date	Time	Vehicle	Initial	Package	Initial
		Placarded Surveyed		Labeled Sealed Surveyed	

Transmittal of RSR to Burial Site
Requirement: At time of shipment.

TP-3

Date	Time	Site	Initial

RADIOACTIVE WASTE SHIPMENT
CHECK OFF SHEET

Acknowledgement of Shipment

Requirement: Within seven (7) days after the estimated time of arrival at the designated Burial site: If acknowledgement of the shipment has not been received, initiate the requirements of 10 CFR 20.311.

Site Receipt	Date	Site Representative
Barnwell		
Beatty		
Richland		

Plant Receipt Date	Initial

CERTIFICATION STATEMENT FOR DISPOSAL OF RADLOK HIGH INTEGRITY CONTAINERS

For the RADLOK high integrity containers to be disposed of at the Barnwell, South Caroling low-level radioactive waste burial facility and identified by serial number(s) _____ _____, (Company) _____ _____ hereby certifies that its use of such containers has complied with the Certificates of Compliance issued by the South Caroling Department of Health and Environmental Control, Bureau of Radiological Health, and all amendments thereto, as follows:

1. RADLOK-55 No. DHEC-HIC-PL-004, June 17, 1982
2. RADLOK-100 No. DHEC-HIC-PL-005, June 17, 1982
3. RADLOK-200 No. DHEC-HIC-PL-007, May 5, 1983

COMPANY:

BY: _____

TITLE: _____

DATED: _____

3-42

SOLIDIFICATION LINER CALCULATION SHEET

DATE: _____

LINER NO. _____

PERFORMED BY: _____

Total Activity (mCi) _____

( ) Gallons from ( ) WEBST on ( ) Batch No. ( ) Lab I.D. No. ( )

( ) Gallons from ( ) WEBST on ( ) Batch No. ( ) Lab.I.D..No. ( )

( ) Gallons from ( ) WEBST on ( ) Batch No. ( ) Lab.I.D. No. ( )

No.	Temp. Tank	(µci/ml) Concentration	(mCi) x3.785x#GAL.	No.	Temp Tank	(µci/ml) Concentration	(mCi) x3.785x#GAL.	No.	Temp Tank	(µci/ml) Concentration	(mCi) x3.785x#GAL.	DOT Subgroup	Total (mCi) Activity
o-57				Co-57				Co-57				A2-90	
e-139				Ce-139				Ce-139				A2-100	
n-113				Sn-113				Sn-113				A2-60	
r-51				Cr-51				Cr-51				A2-600	
-131				I-131				I-131				A2-10	
b-124				Sb-124				Sb-124				A2-5	
b-125				Sb-125				Sb-125				A2-25	
u-103				Ru-103				Ru-103				A2-25	
s-134				Cs-134				Cs-134				A2-10	
s-137				Cs-137				Cs-137				A2-10	
G110M				AG110M				AG110M				A2-7	
R-95				ZR-95				ZR-95				A2-20	
R-97				ZR-97				ZR-97				A2-20	
B-95				NB-95				NB-95				A2-20	
o-58				Co-58				Co-58				A2-20	
s-136				Cs-136				Cs-136				A2-7	
n-54				Mn-54				Mn-54				A2-20	
e-59				Fe-59				Fe-59				A2-10	
o-60				Co-60				Co-60				A2-7	
a-24				Na-24				Na-24				A2-5	
d-109				Cd-109				Cd-109				A2-70	
o-99				Mo-99				Mo-99				A2-20	
i-63				Ni-63				Ni-63				A2-100	