Donald C. Cook Nuclear Plant • Units 1 & 2

Semi-Annual Radioactive Effluent Release Report

July 1, - December 31, 1981

Indiana & Michigan Electric Company
Bridgman, Michigan

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

TABLE OF CONTENTS

TABLE OF APPENDICES

I. INTRODUCTION

This report discusses the radioactive discharges from both Units, 1 and 2, of the Donald C. Cook Nuclear Plant during the second half of 1981. The format presented in Section 5.4.1B of "Appendix B Technical Specifications" for the facility has been followed in preparing this document.

Unit 1 entered this reporting period in the cold shutdown mode due to its cycle V-VI refueling outage which began on May 29, 1981. Following completion of the outage and low power physics testing, the Unit was returned to service on August 4, 1981. On November 3, 1981 the Unit tripped and was taken out of service for twelve days to perform RFC related work and repairs. The unit was returned to service on November 16, 1981. The Unit was taken to cold shutdown on December 29, 1981 due to a Pressurizer Spray valve packing leakage. The Unit was out of service for the remainder of this reporting period.

Unit 2 entered this reporting period operating at full power. On July 4, 1981 the Unit was placed in cold shutdown to perform repairs to various packing leaks and to readjust the ventilation dampers in the lower volume of the containment. The Unit was returned to service on July 11, 1981. On October 2, 1981 Unit 2 was removed from service after the Steam Jet Air Ejector Monitor alarmed due to Steam Generator tube leakage. After the repair was completed, the Unit was returned to service on October 30, 1981.

Further details on plant operations and other outages during 1981 may be obtained from the Monthly Operating Reports issued during this reporting period.

II. RADIOACTIVE RELEASES

Since a number of release points are common for both Units, the release data from both Units were combined to form this two-unit Semiannual Radioactive Release Report. Appendix A presents this information in accordance with the format described in Section 5.4.1B of Appendix B to the Facility Operating License containing the 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

Potential doses to individuals and populations were calculated using the measured effluents and meteorological data given in Appendices A and B of this report, respectively.

LIQUID RELEASES

The liquid releases consisted of 32 Batch releases in the third quarter and 25 Batch releases in the fourth quarter of 1981. 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 Table 1.

GASEOUS RELEASES

There were a total of 12 Batch releases during this reporting period. Doses were estimated separately for the larger releases using the measured meteorological data at the times of the releases.

Quarterly averages of meteorological data were used in estimating the dose from the continuous releases during each of the two quarters. The estimated doses in millirems to individuals through the gaseous pathways are listed in Table 1.

IV. METEOROLOGICAL DATA

Appendix B contains the cumulative joint - frequency distribution of wind speed and wind direction corresponding to various atmospheric stability classes for both quarters. The meteorological conditions during each of the batch gaseous effluent releases are also furnished in the same Appendix.

V. CONCLUSIONS

During this reporting period, Unit 1 of the Donald C. Cook Nuclear Plant generated 3,327,360 Mwh Gross of electric energy out of a total of 7,026,120 Mwh for 1981. The Monthly Operating Reports indicate that during 1981 this Unit was operating at a Unit Service Factor of 76.1% and at an average Unit Capacity Factor of 74.2%

Unit 2 generated 3,801,710 Mwh Gross of electric energy during the last six months of 1981 out of a total of 6,615,970 Mwh for 1981. During 1981 the Unit operated at a 70.6% Unit Service Factor and at an average Unit Capacity Factor of 67.4%.

The doses resulting from these radioactive releases during the entire year of 1981 were less then 3% of their respective limits in Appendix I to 10CFR Part 50.

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.

TABLE 1

SUMMARY OF DOSES (in mrem) FROM ALL EFFLUENT PATHWAYS IN ACCORDANCE WITH 40CFR190

July 1, 1981 to December 31, 1981

PATHWAY		Whole Body	Skin	Thyroid	G. I. Tract	Bone
(A)	Liquid					
	Drinking Water	1.44E-4	-	2.73E-3	2.00E-4	1.18E-4
	Fish Consumption	4.52E-3	-	6.94E-4	2.23E-3	3.86E-3
	Shoreline Activities	2.09E-4	2.46E-4	-	-	-
	Swimming	3.25E-6	4.03E-6	-	-	-
	Boating	1.63E-6	2.01E-6	-	-	-
	TOTAL FOR LIQUIDS	4.87E-3	2.52E-4	3.42E-3	2.43E-3	3.98E-3
	POPULATION DOSE (man-rem)	2.80				
(B)	Gaseous					
	Air Submersion*	2.30E-2	2.90E-1			
	Inhalation*			3.70E-3		
	Adult Leafy Vegetable Consumption**			6.50E-3		
	TOTAL FOR GASEOUS	2.30E-2	2.90E-1	1.02E-2		
	POPULATION DOSE (man-rem)	2.18E-1				
(C)	TOTAL FROM THIS REPORT	2.79E-2	2.90E-1	1.36E-2	2.43E-3	3.98E-3
(D)	TOTAL FROM PREVIOUS SIX MONTHS	1.89E-2	1.40E-1	6.59E-3	6.96E-3	2.89E-3
(E)	TOTAL FOR ALL PATHWAYS	4.68E-2	4.30E-1	2.02E-2	9.39E-3	6.87E-3
	Infant Thyroid Doses					
	Milk Pathway***			6.10E-2		
	Inhalation**			1.10E-3		

*Worst Sector Site-Boundary
**Nearest Residence (.5 Miles South)
***Nearest Cow Location (1.8 Miles ENE)

A. RADIOACTIVE RELEASE DATA

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT - 2ND HALF OF 1981

SUPPLEMENTAL INFORMATION

Facility D. C. Cook Plant Licensee I & M Power Company

1. Regulatory Limits

a. Fission and Activation Gases:

The annual total quantity of noble gases above background discharged from the plant should result in an air dose due to gamma radiation of less than 10 mrad, and an air dose due to beta radiation of less than 20 mrad, at any location near ground level which could be occupied by individuals at or beyond the boundary of the site.

b. Iodines:

The annual total quantity of all radioiodines and radioactive material in particulate forms above background from all reactors at a site should not result in an annual dose to any organ of an individual in an unrestricted area from all pathways of exposure in excess of 15 mrem.

The annual total quantity of iodine - 131 discharged from each reactor at a site should not exceed 1 Ci.

c. Particulates, half-lives > 8 days:

See 1b above.

d. Liquid Effluents:

The annual dose above background to the total body or any organ of an individual from all reactors at a site should not exceed 5 mrem in an unrestricted area.

The annual total quantity of radioactive materials in liquid waste, excluding tritium and dissolved gases, discharged from each reactor should not exceed 5 Ci.

2. Maximum Permissible Concentrations

a. Fission and Activation Gases:

(1) The release rate limit of noble gases from the site shall be

$$\sum_i Q_{iv} \left(37 \overline{E}_{i_\gamma} + 112 \overline{E}_{i_\beta}\right) \leq 1$$

where Q_v = release rate (sum of the unit vents and the turbine condenser steam air ejector exhaust for Unit 1 and Unit 2)

Q_v = release rate from vents in Ci/sec (ground release)

i = the ith individual nuclide

$\bar{E}_{i_\gamma}$ = the average gamma energy per disintegration for nuclide i

$\bar{E}_{i_\beta}$ = the average beta energy per disintegration for nuclide i.

(2) The average release rate of noble gases from the site during any calendar quarter shall be

$$\sum_i \bar{E}_{i_\beta} (350\ Q_{iv}) \leq 1$$

and,

$$\sum_i \bar{E}_{i_\gamma} (120\ Q_{iv}) \leq 1$$

(3) The average release rate of noble gases from the site during any 12 consecutive months shall be

$$\sum_i \bar{E}_{i_\beta} (700\ Q_{iv}) \leq 1$$

and,

$$\sum_i \bar{E}_{i_\gamma} (230\ Q_{iv}) \leq 1$$

b. Iodines:

(1) The release rate limit of all radioiodines and radioactive materials in particulate form with half-lives greater than eight days, released to the environs as part of the gaseous waste from the site shall be

$$1.5 \times 10^5\ Q_v \leq 1$$

where Q_v is defined above

(2) The average release rate of all iodines and radioactive materials in particulate form per site with half-lives greater than eight days during any calendar quarter shall be

$$1.8 \times 10^6\ Q_v \leq 1$$

(3) The average release rate of all iodines and radioactive materials per site in particulate form with half-lives greater than eight days during any period of 12 consecutive months shall be

$$3.6 \times 10^6\ Q_v \leq 1$$

c. Particulates; half-lives > 8 days:

See 2b above.

d. Liquid Effluents:

The concentration of radioactive materials released in liquid waste effluents from all reactors at the site shall not exceed the values in 10 CFR Part 20, Appendix B, Table II, Column 2 for unrestricted areas.

3. Average Energy - β 0.139

γ 0.050

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 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:

32 releases in the 3rd quarter, 1981
25 releases in the 4th quarter, 1981

(2) Total time period for batch releases:

8381 minutes

(3) Maximum time for a batch release:

168 minutes

(4) Average time period for batch releases:

147 minutes

(5) Minimum time period for a batch release:

124 minutes

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

754,561 gpm Circulating water

b. Gaseous:

(1) Number of batch releases:

1 in 3rd quarter, 1981

11 in 4th quarter, 1981

(2) Total time period of batch releases:

609 minutes

(3) Maximum time period for a batch release:

65 minutes

(4) Average time period for batch releases:

51 minutes

(5) Minimum time period for a batch release:

32 minutes

6. Abnormal Releases:

a. Liquid:

(1) Number of releases:

0

(2) Total activity releases:

0 Ci

b. Gaseous:

(1) Number of releases:

8

(2) Total activity released:

3.440E+1 Ci

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT - 2nd Half 1981

GASEOUS EFFLUENTS - ELEVATED RELEASE

Nuclides Released	Unit	CONTINUOUS MODE 3rd Quarter	CONTINUOUS MODE 4th Quarter	BATCH MODE 3rd Quarter	BATCH MODE 4th Quarter
1. FISSION GASES					
Krypton - 85	Ci			1.214E-1	1.946E 0
Krypton - 85m	Ci	5.575E-1	1.150E 0		1.033E 0
Krypton - 87	Ci	2.577E-1	6.395E-1		5.029E-2
Krypton - 88	Ci	1.945E-1	4.041E-1		1.743E-1
Xenon - 133	Ci	5.441E+2	3.518E+2	2.781E+2	1.175E+3
Xenon - 135	Ci	3.039E 0	2.143E+1	2.325E 0	1.699E+1
Xenon - 135m	Ci				
Xenon - 138	Ci				
Xenon - 133m	Ci	2.449E-1	4.460E-1	3.190E 0	1.201E+1
Xenon - 131m	Ci	1.846E-1	1.672E 0	1.312E-2	1.247E 0
Argon - 41	Ci	2.121E-2	1.611E-3		6.929E-2
Total for period	Ci	5.486E+2	3.775E+2	2.837E+2	1.209E+3
2. IODINES					
Iodine - 131	Ci	1.016E-3	1.117E-2	4.639E-4	1.152E-3
Iodine - 133	Ci	1.701E-3	3.382E-3	1.491E-4	2.035E-4
Iodine - 135	Ci				3.524E-5
Iodine - 130	Ci				6.469E-6
Total for period	Ci	2.717E-3	1.455E-2	6.130E-4	1.397E-3
3. PARTICULATES					
Strontium - 89	Ci				
Strontium - 90	Ci				
Cesium - 134	Ci	1.345E-5	7.053E-4		4.157E-8
Cesium - 137	Ci	1.375E-4	2.546E-3	2.525E-8	8.921E-8
Barium-lanthanum - 140	Ci				
Cobalt - 58	Ci	3.886E-5	1.480E-4		
Cobalt - 60	Ci	1.617E-4	4.859E-4	2.426E-7	1.248E-6
Cesium - 136	Ci		1.255E-4		
Manganese - 54	Ci		1.277E-5		
Total For Period	Ci	3.515E-4	4.023E-3	2.679E-7	1.379E-6

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT - 1981

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Units	3rd Quarter	4th Quarter	Est. Total Error, %
A. FISSION AND ACTIVATION GASES				
1. Total release	Ci	8.323E+2	1.587E+3	5.40
2. Average release rate for period	µCi/Sec	1.047E+2	1.997E+2	
3. Percent of technical specification limit	%	5.018E-1	9.831E-1	
B. IODINES				
1. Total iodine - 131	Ci	1.480E-3	1.232E-2	7.90
2. Average release rate for period	µCi/Sec	1.862E-4	1.550E-3	
3. Percent of technical specification limit	%	3.351E-2	2.790E-1	
C. PARTICULATES				
1. Particulates with half-lives > 8 days	Ci	3.518E-4	4.376E-3	20.80
2. Average release rate for period	µCi/Sec	4.426E-5	5.505E-4	
3. Percent of technical specification limit	%	7.966E-3	9.909E-2	
4. Gross alpha radioactivity	Ci	< 3.335E-5	< 5.123E-5	
D. TRITIUM				
1. Total release	Ci	8.133E-1	6.359E-1	0.73
2. Average release rate for period	µCi/Sec	1.023E-1	8.000E-2	
3. Percent of technical specification limit	%	6.428E-1	5.379E-1	

FORM III

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT - 2nd Half 1981

LIQUID EFFLUENTS

Nuclides Released		BATCH MODE		CONTINUOUS MODE	
		3rd Quarter	4th Quarter	3rd Quarter	4th Quarter
Strontium - 89	Ci	3.232E-4	1.781E-4		2.655E-4
Strontium - 90	Ci	5.548E-5	2.195E-4	2.747E-4	
Cesium - 134	Ci	1.319E-3	1.383E-2	1.722E-4	6.967E-3
Cesium - 137	Ci	1.444E-3	2.252E-2	1.983E-3	2.111E-2
Iodine - 131	Ci	2.480E-3	2.941E-2	2.163E-3	2.366E-2
Cobalt - 58	Ci	1.139E-1	1.228E-1		4.094E-4
Cobalt - 60	Ci	2.369E-2	4.971E-2	5.078E-4	4.257E-3
Iron - 59	Ci	4.913E-4			
Zinc - 65	Ci	4.516E-4	6.177E-4		
Manganese - 54	Ci	3.119E-3	6.525E-3		
Chromium - 51	Ci	1.128E-2	2.526E-3		1.270E-3
Zirconium-Niobium - 95	Ci	3.793E-3	3.003E-3		
Molybdenum - 99	Ci				
Technetium - 99m	Ci				
Barium-Lanthanum - 140	Ci		2.477E-4		
Cerium - 141	Ci				
Cesium - 136	Ci	3.242E-5	9.611E-4		1.964E-4
Sodium - 24	Ci				
Iodine - 133	Ci	3.135E-4	2.725E-4	3.777E-3	5.707E-3
Cobalt - 57	Ci	2.261E-4	1.150E-4		
Zirconium - 97	Ci		1.735E-4		
Silver - 110m	Ci	1.372E-3	8.042E-3		
Antimony - 124	Ci	2.975E-4	4.649E-4		

FORM IV

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT - 2ND HALF 1981

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	Unit	BATCH 3RD Quarter	BATCH 4TH Quarter	CONTINUOUS 3RD Quarter	CONTINUOUS 4TH Quarter	Est.Tot Error,
A. FISSION AND ACTIVIATION PRODUCTS						
1. Total Release (Not including Tritium, Alpha, Gases)	Ci	2.083E-1	2.616E-1	8.878E-3	6.384E-2	3.56
2. Average diluted concentration during period	µci/ml	1.563E-8	2.475E-8	1.187E-11	8.428E-11	
3. Percent of applicable limit	%	8.483E-2	9.955E-1	1.610E-3	1.134E-2	
B. TRITIUM						
1. Total Release	Ci	2.146E+2	1.838E+2	1.656E 0	1.367E 0	0.18
2. Average diluted concentration during period	µci/ml	1.610E-3	1.739E-5	2.215E-9	1.805E-9	
3. Percent of applicable limit	%	5.366E-1	5.796E-1	7.383E-5	6.015E-5	
DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	9.381E-4	3.173E-1	2.364E-2	2.961E-2	25.9.
2. Average diluted concentration during period	µci/ml	7.038E-11	3.002E-8	3.162E-11	3.909E-11	
3. Percent of applicable limit	%	*	*	*	*	
D. GROSS ALPHA RADIOACTIVITY						
1. Total Release	Ci	<1.057E-3	<9.139E-4			
E. VOLUME OF WASTE RELEASED	Liters	2.155E+6	1.689E+6	1.033E+8	1.045E+8	2.00
F. VOLUME OF DILUTION WATER USED DURING PERIOD	Liters	1.333E+10	1.057E+10	7.477E+11	7.575E+11	3.48

*No Applicable Limit

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT - 2nd Half 1981

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid waste shipped offsite for burial or disposal

1. Type of waste

	Unit	2nd 6-month period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m^3	2.332E+2	1 E 0
	Ci	3.098E+2	4 E 0
b. Dry compressible waste, contaminated equipment, etc.	m^3	1.541E+2	1 E 0
	Ci	7.761E+1	2 E 0
c. Irradiated components, control rods, etc.	m^3	--	--
	Ci	--	--
d. Other	m^3	--	--
	Ci	--	--

2. Estimate of major nuclide composition of above listed wastes.

a.
Cs-137	30%
Cs-134	15%
Co-58	45%
Co-60	10%

b.
Co-60	10%
Co-58	75%
Cs-137	15%

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
35	Truck	2-Richland, Washington 33-Barnwell, South Carolina

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT

1981 YEARLY RELEASE RATES

I. Gases

A. Fission and Activation Gases	Units	
1. Total Release	ci	5.422E+3
2. Average Release Rate	ci/sec	1.718E-4
3. % of Technical Specification Limits	%	1.730E 0

B. Iodines		
1. Total Iodine-131 Released	ci	4.652E-2
2. Average Release Rate	ci/sec	1.474E-9
3. % of Technical Specification Limits	%	5.307E-1

C. Particulates		
1. Total Release	ci	2.001E-2
2. Average Release Rate	ci/sec	6.341E-10
3. % of Technical Specification Limit	%	2.283E-1

II. Liquids

A. Fission and Activation Products		
1. Total Release	ci	1.864E 0
2. Average Diluted Concentration	µci/ml	7.553E-10
3. % of Technical Specification Limit	%	1.864E+1

Release Number	Start Stop Date	Time Time	I-131	I-133	Xe-133	Xe-131M	Kr-85	CO-60	Cs-134	H_3	Kr-85M	Xe-135	Xe-133M	Kr-88	Ar-41	Kr-87	I-135	I-130	Cs-137	
G-81-52	07-04-81	2325	3.059E-4	9.635E-5	1.817E+2					2.164E-2		1.292E 0	1.998E 0							
	07-10-81	0620																		
G-81-53	07-05-81	0225	1.297E-5	3.998E-6	4.588E 0					8.743E-4		4.691E-2	5.845E-2							
	07-10-81	0620																		
G-81-54	07-04-81	2125	1.450E-4	4.872E-5	9.181E+1					6.736E-3		9.862E-1	1.134E 0							
	07-10-81	0620																		
G-81-55	07-19-81	1005						1.253E-7											2.525E-8	
	07-25-81	1958																		
G-81-56	07-30-81	0540	8.653E-8		2.130E-2	1.132E-2	1.214E-1	1.173E-7		7.716E-5										
	08-30-81	0630																		
G-81-57	10-03-81	0916	4.807E-4	4.953E-5	5.598E+2					3.371E-2		4.994E 0	5.535E 0							
	10-18-81	1606																		
G-81-58	10-03-81	0916	2.594E-4	4.990E-5	2.840E+2					1.341E-2	5.187E-1	6.529E 0	3.373E 0	9.961E-2		3.511E-2	1.538E-5	3.846E-6		
	10-18-81	1606																		
G-81-59	10-03-81	0916	2.918E-5	8.989E-6	1.542E+1					1.724E-3	4.784E-2	4.853E-1	1.891E-1	1.203E-2		9.529E-3	3.448E-6	8.350E-7		
	01-16-81	1606																		
G-81-60	10-04-81	0914			5.086E-3		9.988E-2	1.683E-7		9.895E-5										
	10-04-81	1001																		
G-81-61	10-04-81	2236			5.289E-3		7.239E-2			5.504E-6										
	10-09-81	2308																		
G-81-62	10-21-81	0245	3.255E-7		9.008E-2	1.118E-3	9.287E-2	1.208E-7		7.078E-6										
	10-21-81	0350																		
G-81-63	10-26-81	1030	4.370E-5		4.870E 0	4.183E-1				1.858E-3	9.177E-2	5.098E-1		1.542E-2						
	10-29-81	0625																		
G-81-64	10-26-81	1030	3.314E-5	1.243E-6	4.211E 0	3.619E-1				3.432E-3	2.239E-1	1.312E 0		3.649E-2	5.207E-3					
	10-29-81	0625																		
G-81-65	10-26-81	1030	3.669E-6	1.852E-7	2.117E-1	1.341E-2				7.810E-4	8.940E-3	6.877E-2		7.221E-4						
	10-29-81	0625																		
G-81-66	10-26-81	0640	5.712E-5		1.062E+1			1.231E-7		1.001E-1										
	10-26-81	0732																		
G-81-67	10-26-81	2130	7.980E-7		1.524E-1	6.095E-3	6.546E-2		4.157E-8	4.310E-2										
	10-26-81	2222																		
G-81-68	11-04-81	1057	2.996E-6		1.839E 0	1.806E-1				7.272E-5	4.498E-3	8.536E-2								
	11-04-81	1143																		
G-81-69	11-04-81	1223	3.017E-5	1.213E-5	1.022E+2		9.572E-1			3.246E-3	1.991E-2	6.118E-1	9.405E-1					1.465E-6		
	11-11-81	1747																		
G-81-70	11-04-81	1223	9.694E-5	5.809E-5	5.335E+1					3.609E-3	3.945E-2	9.862E-1	6.213E-1				1.450E-5			
	11-11-81	1747																		
G-81-71	11-04-81	1223	9.087E-6	5.403E-6	2.770E 0					4.219E-4	2.083E-3	4.578E-2	3.031E-2				1.911E-6	3.227E-7		
	11-11-81	1747																		
G-81-72	11-05-81	2146	9.718E-6	9.816E-8	1.985E-1	7.595E-2	1.346E-1	1.248E-7		3.695E-5		5.552E-4	6.515E-4							
	11-05-81	2236																		
G-81-73	11-06-81	0230	2.428E-5	1.107E-7	1.272E-1	8.807E-2	1.272E-1	2.758E-7		5.613E-3		1.826E-5	5.681E-4							
	11-06-81	0320																		
G-81-74	Not Released																			
G-81-75	11-16-81	2242	1.282E-5		4.201E-1	8.718E-2	1.607E-1			2.431E-5										
	11-16-81	2336																		
G-81-76	12-29-81	2350	1.424E-5	1.952E-6	8.230E+1					1.026E-3	1.891E-2	5.025E-1	7.672E-1		1.149E-2					
	01-08-82	1847																		
G-81-77	12-29-81	2350	1.272E-6	3.114E-7	1.513E 0					2.608E-4	2.156E-3	3.610E-2	2.377E-2	5.354E-4	2.196E-3	2.107E-4				
	01-08-82	1847																		
G-81-78	12-29-81	2350	3.718E-5	1.557E-5	5.105E+1					4.290E-3	5.522E-2	8.244E-1	5.294E-1	9.428E-3	5.039E-2	5.434E-3				
	01-08-82	1847																		
G-81-79	12-30-81	1827	1.881E-6		9.979E-4	5.910E-3	1.199E-1	3.416E-7		1.372E-5										
	12-30-81	1923																		
G-81-80	12-31-81	0345	3.017E-6		9.836E-3	8.619E-3	1.157E-1	9.403E-8		5.099E-6									8.921E-8	
	12-31-81	0938																		

B-1. METEOROLOGICAL DATA FOR THE THIRD QUARTER OF 1981

Cook Meteorological Tower Joint Frequency Tables of Wind Speed and
Wind Direction 50ft versus Delta Temperature 180-30ft
7/1/81-9/30/81

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: A

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	6	33	13	2	0	0	54
NNE	5	27	18	2	0	0	52
NE	5	9	6	0	0	0	20
ENE	5	14	13	0	0	0	32
E	7	19	8	0	0	0	34
ESE	4	17	15	1	0	0	37
SE	0	8	11	1	0	0	20
SSE	10	9	0	0	0	0	19
S	8	13	1	0	0	0	22
SSW	8	9	1	0	0	0	18
SW	4	16	7	0	0	0	27
WSW	5	13	6	1	0	0	25
W	10	11	5	3	1	0	30
WNW	9	31	6	4	0	0	50
NW	6	27	23	4	0	0	60
NNW	6	26	17	2	0	0	51
VARIABLE	46	0	0	0	0	0	46

TOTAL 551
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 80

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: B

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180-30

WIND SPEED(MPH)

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

TOTAL 74
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 80

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: C

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT150-30

WIND SPEED(MPH)

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

TOTAL 70
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 80

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: D

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT150-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	8	6	1	0	0	15
NNE	2	13	35	3	0	0	53
NE	3	15	8	2	0	0	28
ENE	9	10	8	3	0	0	30
E	2	12	16	4	0	0	34
ESE	0	19	18	2	0	0	39
SE	0	8	4	1	0	0	13
SSE	3	5	0	0	0	0	8
S	4	4	1	0	0	0	9
SSW	1	5	2	1	0	0	9
SW	1	15	27	5	1	0	49
WSW	0	9	10	11	0	0	30
W	1	6	4	3	10	0	24
WNW	2	2	6	2	1	1	14
NW	0	4	7	9	2	0	22
NNW	0	5	11	3	0	0	19
VARIABLE	15	0	0	0	0	0	15

TOTAL 306
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 80

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: E

ELEVATION: SPEED:SPS0A DIRECTION:WDS0A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	9	8	0	0	0	20
NNE	0	17	19	2	0	0	38
NE	3	15	9	0	0	0	27
ENE	5	28	19	1	0	0	53
E	3	27	19	2	0	0	51
ESE	4	27	19	3	0	0	53
SE	6	19	6	1	0	0	32
SSE	6	14	1	0	0	0	21
S	9	18	1	1	0	0	29
SSW	8	36	8	0	0	0	52
SW	4	38	60	8	0	0	110
WSW	2	29	20	13	0	0	64
W	4	8	11	1	0	0	24
WNW	1	10	8	2	0	0	21
NW	2	7	3	0	0	0	12
NNW	1	4	3	3	0	0	11
VARIABLE	13	0	0	0	0	0	13

TOTAL 618
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 80

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: F

ELEVATION: SPEED:SPS0A DIRECTION:WDS0A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	4	0	0	0	0	4
NE	2	16	2	0	0	0	20
ENE	3	31	3	0	0	0	37
E	0	28	7	0	0	0	35
ESE	1	24	11	0	0	0	36
SE	0	21	0	0	0	0	21
SSE	2	12	0	0	0	0	14
S	3	13	0	0	0	0	16
SSW	0	8	0	0	0	0	8
SW	2	9	3	0	0	0	14
WSW	0	2	1	0	0	0	3
W	0	1	0	0	0	0	1
WNW	0	0	0	0	0	0	0
NW	0	2	0	0	0	0	2
NNW	0	1	0	0	0	0	1
VARIABLE	2	0	0	0	0	0	8

TOTAL 218
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 80

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: G

ELEVATION: SPEED:SPS0A DIRECTION:WDS0A LAPSE:DT150-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	1	0	1	0	0	0	2
NE	2	12	2	0	0	0	16
ENE	1	22	2	0	0	0	25
E	1	34	9	0	0	0	44
ESE	0	65	7	0	0	0	72
SE	0	22	4	0	0	0	26
SSE	1	7	0	0	0	0	8
S	0	8	1	0	0	0	9
SSW	0	4	1	0	0	0	5
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
VARIABLE	1	0	0	0	0	0	1

TOTAL 207
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 80

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: ALL

ELEVATION: SPEED:SPS0A DIRECTION:WDS0A LAPSE:DT150-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	9	54	35	3	0	0	101
NNE	10	67	85	7	0	0	169
NE	16	71	28	2	0	0	117
ENE	24	107	47	5	0	0	183
E	13	122	65	8	0	0	203
ESE	10	160	78	6	0	0	254
SE	6	83	28	3	0	0	120
SSE	23	48	1	0	0	0	72
S	24	57	4	1	0	0	86
SSW	19	64	15	1	0	0	98
SW	12	84	104	13	1	0	214
WSW	10	57	49	27	3	1	147
W	17	26	21	7	11	1	83
WNW	13	43	21	8	1	1	87
NW	8	40	38	13	2	0	101
NNW	7	36	36	8	0	0	87
VARIABLE	80	0	0	0	0	0	80

TOTAL 2[illegible]8
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 80

Cook Meteorological Tower Joint Frequency Tables of Wind Speed
and Wind Direction 150ft versus Delta Temperature 180-30ft
7/1/81-9/30/81

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: A

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(KPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	24	44	9	1	0	82
NNE	3	7	15	10	1	0	36
NE	1	10	7	0	0	0	18
ENE	1	3	18	5	0	0	25
E	2	10	10	0	0	0	22
ESE	2	9	11	1	0	0	23
SE	1	6	9	5	1	0	22
SSE	5	9	9	5	0	0	28
S	3	7	9	2	0	0	21
SSW	2	10	10	2	0	0	24
SW	0	5	6	1	0	0	12
WSW	1	4	7	2	0	0	14
W	0	11	6	3	0	3	23
WNW	6	10	9	2	1	0	28
NW	3	15	7	7	2	0	34
NNW	4	19	27	13	7	0	70
VARIABLE	12	0	0	0	0	0	12

TOTAL 482
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 317

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: B

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	1	4	0	0	6
NNE	1	2	2	4	0	0	9
NE	1	2	1	0	0	0	4
ENE	0	3	0	0	0	0	3
E	0	0	2	0	0	0	2
ESE	0	0	0	0	0	0	0
SE	0	4	3	1	1	0	9
SSE	0	0	1	1	0	0	2
S	0	0	2	0	0	0	2
SSW	0	1	1	0	1	0	3
SW	0	2	0	1	0	0	3
WSW	0	2	4	2	0	0	8
W	1	0	0	1	0	0	2
WNW	0	2	0	0	0	0	2
NW	0	0	0	2	0	0	2
NNW	0	0	1	2	1	0	4
VARIABLE	2	0	0	0	0	0	8

TOTAL 61
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 317

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: C

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180- 30

WIND SPEED(MPH)

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

TOTAL 64
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 317

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: D

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	4	13	10	1	0	28
NNE	0	3	9	17	2	0	31
NE	2	10	9	7	0	0	23
ENE	2	12	4	3	2	1	24
E	0	3	6	5	1	0	15
ESE	0	5	11	6	2	0	24
SE	0	2	11	7	1	0	21
SSE	0	1	4	4	1	0	10
S	0	7	4	2	1	0	14
SSW	0	2	5	3	0	0	10
SW	0	2	6	5	1	0	14
WSW	0	7	15	24	8	1	55
W	0	5	1	2	2	12	22
WNW	0	2	1	7	0	0	10
NW	0	2	2	4	3	5	16
NNW	0	2	3	7	6	3	21
VARIABLE	1	0	0	0	0	0	1

TOTAL 343
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 317

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: E

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	3	16	14	1	0	36
NNE	2	4	15	12	2	0	35
NE	1	3	19	5	0	0	28
ENE	1	5	16	10	0	1	33
E	1	8	12	19	1	0	41
ESE	0	2	19	2	3	0	26
SE	0	5	13	9	2	0	29
SSE	0	2	17	7	2	0	28
S	1	9	19	11	0	2	42
SSW	1	3	20	10	3	0	37
SW	0	6	23	26	17	0	72
WSW	1	17	24	26	22	1	91
W	3	9	6	7	1	0	26
WNW	1	2	4	7	1	0	15
NW	2	2	6	6	2	0	18
NNW	0	5	7	2	4	0	18
VARIABLE	5	0	0	0	0	0	5

TOTAL 575
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 317

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: F

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	3	13	1	0	0	17
NNE	0	2	3	0	0	0	5
NE	0	1	11	3	0	0	15
ENE	1	3	17	5	0	0	26
E	0	3	9	9	0	0	21
ESE	0	5	5	8	0	0	18
SE	0	4	7	6	0	0	17
SSE	0	1	7	6	0	0	14
S	0	6	7	7	0	0	20
SSW	0	1	14	0	0	0	15
SW	0	1	7	1	0	0	9
WSW	0	0	4	1	0	0	5
W	0	4	1	0	0	0	5
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
VARIABLE	1	0	0	0	0	0	1

TOTAL 187
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 317

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: G

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT150-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	1	3	1	0	0	5
NNE	0	0	1	0	0	0	1
NE	0	2	6	3	0	0	11
ENE	0	3	7	7	0	0	17
E	0	3	12	15	0	0	30
ESE	0	3	12	15	0	0	30
SE	0	5	11	14	0	0	30
SSE	0	4	10	10	0	0	24
S	1	0	9	5	0	0	15
SSW	0	0	3	2	0	0	5
SW	0	1	2	8	0	0	11
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
VARIABLE	0	0	0	0	0	0	0

TOTAL 179
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 317

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 81 7 1 1-81 93024

STABILITY CLASS: ALL

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT150-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	6	36	92	42	3	0	179
NNE	6	19	49	46	5	0	125
NE	5	28	55	18	0	0	106
ENE	5	30	60	30	2	2	129
E	3	27	51	48	2	0	131
ESE	2	25	60	35	5	0	127
SE	1	26	62	45	5	0	139
SSE	5	17	48	33	3	0	106
S	6	29	50	27	1	2	115
SSW	3	17	54	17	4	0	95
SW	0	17	46	44	18	0	125
WSW	2	32	57	61	31	4	187
W	4	32	14	15	3	19	87
WNW	7	17	14	16	2	0	56
NW	5	20	15	19	7	5	71
NNW	4	26	38	24	18	3	113
VARIABLE	21	0	0	0	0	0	21

TOTAL 1891
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 317

B-2. METEOROLOGICAL DATA FOR THE FOURTH QUARTER OF 1981

Cook Meteorological Tower Joint Frequency Tables of Wind Speed and
Wind Direction 50ft versus Delta Temperature 180-30ft
10/1/81-12/31/81

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: A

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	6	1	0	0	0	8
NNE	0	3	0	0	0	0	3
NE	0	1	0	0	0	0	1
ENE	0	2	0	0	0	0	2
E	2	6	2	0	0	0	10
ESE	1	10	8	0	0	0	19
SE	3	14	14	0	0	0	31
SSE	6	8	3	0	0	0	17
S	4	9	3	0	0	0	16
SSW	0	5	4	0	0	0	9
SW	0	1	0	0	0	0	1
WSW	1	1	3	5	0	0	10
W	2	1	2	2	0	0	7
WNW	1	3	1	1	0	0	6
NW	0	6	6	0	0	0	12
NNW	3	12	6	2	0	0	23
VARIABLE	6	0	0	0	0	0	6

TOTAL 175
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 14

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: B

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180-30

WIND SPEED(MPH)

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

TOTAL 54
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 14

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: C

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180- 30

WIND SPEED(MPH)

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

TOTAL 93
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 14

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: D

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180- 30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	8	14	15	2	0	40
NNE	1	7	22	14	1	2	47
NE	2	15	8	6	0	0	31
ENE	2	17	12	1	0	0	32
E	1	18	26	12	0	0	57
ESE	5	19	21	16	9	0	70
SE	1	17	23	16	5	0	62
SSE	2	14	7	2	0	0	23
S	2	11	6	0	0	0	19
SSW	1	17	6	1	0	0	25
SW	0	26	37	13	0	0	76
WSW	0	7	22	15	5	2	51
W	0	5	33	18	20	26	102
WNW	1	5	35	30	13	16	100
NW	0	12	59	83	56	29	219
NNW	2	7	29	29	28	5	100
VARIABLE	7	0	0	0	0	0	7

TOTAL 1054
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 14

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: E

ELEVATION: SPEED:SPS0A DIRECTION:WDS0A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	10	3	4	0	0	17
NNE	3	6	3	3	0	0	15
NE	3	12	3	0	0	0	18
ENE	2	16	3	0	0	0	21
E	3	29	15	0	0	0	47
ESE	5	14	45	9	0	0	73
SE	6	25	46	5	0	0	82
SSE	1	33	19	3	0	0	56
S	5	9	13	1	0	0	28
SSW	1	17	11	2	0	0	31
SW	0	10	30	9	0	0	49
WSW	1	9	3	6	0	0	19
W	1	5	2	1	0	1	10
WNW	2	6	3	1	0	1	13
NW	0	1	1	1	1	0	4
NNW	0	3	3	1	0	0	7
VARIABLE	2	0	0	0	0	0	2

TOTAL 490
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 14

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: F

ELEVATION: SPEED:SPS0A DIRECTION:WDS0A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	3	1	0	0	0	5
NNE	0	3	3	0	0	0	6
NE	2	3	7	0	0	0	12
ENE	1	11	0	0	0	0	12
E	0	14	6	0	0	0	20
ESE	0	15	11	0	0	0	26
SE	3	40	23	0	0	0	66
SSE	3	16	4	0	0	0	23
S	0	17	1	0	0	0	18
SSW	0	14	4	0	0	0	18
SW	1	2	2	0	0	0	5
WSW	2	0	0	0	0	0	2
W	0	0	1	0	0	0	1
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	2	0	0	0	0	0	2
VARIABLE	1	0	0	0	0	0	1

TOTAL 216
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 14

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: G

ELEVATION: SPEED:SPS0A DIRECTION:WD50A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	3	1	0	0	0	4
NNE	0	0	0	0	0	0	0
NE	0	1	3	0	0	0	4
ENE	0	3	0	0	0	0	3
E	0	12	3	0	0	0	15
ESE	0	4	5	0	0	0	9
SE	2	21	11	0	0	0	34
SSE	1	12	9	0	0	0	22
S	0	6	0	0	0	0	6
SSW	0	1	10	0	0	0	11
SW	1	0	2	0	0	0	3
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	1	0	0	0	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
VARIABLE	0	0	0	0	0	0	0

TOTAL 112
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 14

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: ALL

ELEVATION: SPEED:SPS0A DIRECTION:WD50A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5	30	21	19	2	0	77
NNE	5	20	32	17	1	2	77
NE	7	33	21	6	0	0	67
ENE	5	54	16	1	0	0	76
E	7	82	54	13	0	0	156
ESE	13	62	93	25	9	0	202
SE	15	123	128	23	5	0	294
SSE	15	85	43	5	0	0	148
S	13	54	25	1	0	0	93
SSW	4	58	38	3	0	0	103
SW	8	39	74	22	0	0	137
WSW	4	21	37	28	5	2	97
W	3	13	42	24	22	28	132
WNW	7	16	31	41	17	21	143
NW	2	21	70	68	62	30	253
NNW	9	23	41	33	28	5	139
VARIABLE	20	0	0	0	0	0	20

TOTAL 2194
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 14

Cook Meteorological Tower Joint Frequency Tables of Wind Speed and Wind Direction 150ft versus Delta Temperature 180-30ft
10/1/81-12/31/81

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: A

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	5	7	1	0	0	17
NNE	1	3	0	2	0	0	6
NE	0	1	0	0	0	0	1
ENE	0	3	2	0	0	0	5
E	0	2	1	0	0	0	3
ESE	0	4	6	1	0	0	11
SE	2	3	11	9	0	0	25
SSE	1	10	12	4	0	0	27
S	0	14	5	7	0	0	26
SSW	0	3	2	4	0	0	9
SW	0	2	0	3	1	0	6
WSW	1	0	1	4	0	0	6
W	0	0	2	2	0	0	4
WNW	0	0	0	1	0	0	1
NW	0	5	2	2	0	0	9
NNW	2	8	3	4	3	0	20
VARIABLE	2	0	0	0	0	0	2

TOTAL 178
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 13

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: B

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(MPH)

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

TOTAL 54
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 13

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: C

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	1	0	2	0	3
NNE	0	1	3	0	0	0	4
NE	0	0	1	0	0	0	1
ENE	0	3	0	0	0	0	3
E	0	0	1	1	0	0	2
ESE	1	0	0	1	0	0	2
SE	1	1	2	3	3	0	10
SSE	0	2	1	0	0	0	3
S	0	4	1	1	0	0	6
SSW	0	1	1	2	0	0	4
SW	0	1	4	3	1	0	9
WSW	0	1	3	1	0	0	5
W	0	0	1	4	2	0	7
WNW	0	0	0	3	5	4	12
NW	0	1	3	3	2	8	17
NNW	2	0	0	0	2	1	5
VARIABLE	2	0	0	0	0	0	2

TOTAL 83
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 13

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: D

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT150-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	8	8	22	25	12	76
NNE	1	4	10	11	5	1	32
NE	2	14	17	5	1	0	39
ENE	0	11	17	5	0	0	33
E	1	12	21	14	5	0	53
ESE	4	4	6	14	8	5	41
SE	3	11	11	16	12	5	58
SSE	1	5	7	9	11	0	33
S	0	5	8	9	5	1	28
SSW	0	10	16	7	3	1	37
SW	0	7	33	24	12	0	76
WSW	0	1	8	13	8	10	40
W	0	4	25	17	7	35	88
WNW	0	4	27	32	10	22	95
NW	0	4	10	68	31	64	175
NNW	0	5	16	38	22	69	150
VARIABLE	2	0	0	0	0	0	8

TOTAL 1054
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 13

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: E

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	5	8	4	2	4	23
NNE	0	6	4	3	1	0	14
NE	0	9	12	0	0	0	21
ENE	0	8	20	6	0	0	34
E	2	8	11	7	0	0	28
ESE	3	3	9	19	3	0	37
SE	1	9	15	41	9	0	75
SSE	2	5	19	33	12	0	71
S	1	8	19	21	3	1	53
SSW	0	4	15	15	2	0	36
SW	0	3	9	22	12	2	48
WSW	0	7	2	1	3	3	16
W	1	6	1	1	1	1	11
WNW	3	3	1	1	1	0	9
NW	0	3	0	2	0	1	6
NNW	0	0	4	1	2	1	8
VARIABLE	3	0	0	0	0	0	3

TOTAL 490
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 13

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: F

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	0	0	0	0	2
NNE	0	0	1	0	0	0	1
NE	0	4	3	0	0	0	7
ENE	0	4	13	2	0	0	19
E	1	3	8	13	0	0	25
ESE	1	3	7	10	0	0	21
SE	1	1	12	17	1	0	32
SSE	0	0	12	29	3	0	44
S	1	4	9	9	0	0	23
SSW	0	2	7	10	0	0	19
SW	1	2	7	7	0	0	17
WSW	2	0	0	0	0	0	2
W	0	0	0	0	1	0	1
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	1	1	1	0	0	0	3
VARIABLE	1	0	0	0	0	0	1

TOTAL 216
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 13

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: G

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	0	0	0	0	2
NNE	1	0	0	0	0	0	1
NE	0	1	1	0	0	0	2
ENE	0	2	2	1	0	0	5
E	1	1	8	4	0	0	14
ESE	0	1	6	6	0	0	13
SE	0	2	3	3	0	0	8
SSE	0	2	6	16	2	0	28
S	0	0	6	12	0	0	18
SSW	0	3	2	6	0	0	11
SW	0	0	0	10	1	0	11
WSW	0	0	0	0	0	0	0
W	1	0	0	0	0	0	1
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
VARIABLE	0	0	0	0	0	0	1

TOTAL 112
PERIODS OF CALM(HOURS): 1
HOURS OF MISSING DATA: 13

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 8110 1 1-81123124

STABILITY CLASS: ALL

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180-30

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	6	21	24	29	29	16	126
NNE	3	16	18	16	6	1	60
NE	2	29	34	5	1	0	71
ENE	2	31	55	14	0	0	102
E	5	28	61	39	5	0	128
ESE	10	15	35	51	11	5	127
SE	8	27	56	93	25	5	214
SSE	4	24	60	82	38	0	210
S	3	37	49	62	8	2	161
SSW	0	24	43	45	5	1	118
SW	1	15	53	71	27	2	169
WSW	3	10	14	19	12	13	71
W	2	11	33	25	11	36	114
WNW	3	9	29	38	16	28	123
NW	1	13	16	73	33	75	211
NNW	6	15	25	44	29	71	190
VARIABLE	10	0	0	0	0	0	11

TOTAL 2195
PERIODS OF CALM(HOURS): 1
HOURS OF MISSING DATA: 13

B-3. METEOROLOGICAL DATA FOR BATCH RELEASES

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	55	0	0	2	131	0	0	2	0	0	110	0	132	89	0	2	0	0	142	0	142	137	0	2	0	0	0	0	0	0	0	0	0	0
200	61	0	0	2	146	0	0	2	0	0	126	0	170	80	0	2	0	0	171	0	182	165	0	2	0	0	0	0	0	0	0	0	0	0
300	57	0	0	2	132	0	0	2	0	0	128	0	172	87	0	2	0	0	174	0	182	165	0	2	0	0	0	0	0	0	0	0	0	0
400	55	0	0	2	128	0	0	2	0	0	180	0	227	126	0	2	0	0	213	0	224	187	0	2	0	0	0	0	0	0	0	0	0	0
500	57	0	0	2	109	0	0	2	0	0	133	0	152	98	0	2	0	0	177	0	188	142	0	2	0	0	0	0	0	0	0	0	0	0
600	52	0	0	2	116	0	0	2	0	0	137	0	179	88	0	2	0	0	181	0	198	165	0	2	0	0	0	0	0	0	0	0	0	0
700	33	0	0	2	82	0	0	2	0	0	147	0	227	91	0	2	0	0	186	0	210	142	0	2	0	0	0	0	0	0	0	0	0	0
800	27	0	0	2	45	0	0	2	0	0	147	3	205	90	0	2	0	0	158	0	233	97	0	2	0	0	0	0	0	0	0	0	0	0
900	17	0	0	2	37	0	0	2	0	0	204	0	268	98	0	2	0	0	170	0	222	92	0	2	0	0	0	0	0	0	0	0	0	0
1000	27	0	0	2	41	0	0	2	0	0	149	3	238	92	0	2	0	0	155	0	267	94	0	2	0	0	0	0	0	0	0	0	0	0
1100	49	0	0	2	53	0	0	2	0	0	271	0	316	228	0	2	0	0	277	0	299	256	0	2	0	0	0	0	0	0	0	0	0	0
1200	70	0	0	2	94	0	0	2	0	0	274	0	339	236	0	2	0	0	282	0	312	252	0	2	0	0	0	0	0	0	0	0	0	0
1300	86	0	0	2	113	0	0	2	0	0	283	0	311	208	0	2	0	0	274	0	301	227	0	2	0	0	0	0	0	0	0	0	0	0
1400	73	0	0	2	92	0	0	2	0	0	245	0	273	208	0	2	0	0	272	0	311	233	0	2	0	0	0	0	0	0	0	0	0	0
1500	55	0	0	2	72	0	0	2	0	0	233	0	276	190	0	2	0	0	237	0	278	210	0	2	0	0	0	0	0	0	0	0	0	0
1600	16	0	0	2	23	0	0	2	0	0	201	3	268	93	0	2	0	0	147	0	233	92	0	2	0	0	0	0	0	0	0	0	0	0
1700	18	0	0	2	34	0	0	2	0	0	152	0	256	90	0	2	0	0	155	0	192	131	0	2	0	0	0	0	0	0	0	0	0	0
1800	21	0	0	2	43	0	0	2	0	0	225	0	268	108	0	2	0	0	200	0	233	165	0	2	0	0	0	0	0	0	0	0	0	0
1900	21	0	0	2	34	0	0	2	0	0	261	0	328	210	0	2	0	0	210	0	267	165	0	2	0	0	0	0	0	0	0	0	0	0
2000	37	0	0	2	46	0	0	2	0	0	7	0	65	296	0	2	0	0	354	0	6	316	0	2	0	0	0	0	0	0	0	0	0	0
2100	30	0	0	2	11	0	0	2	0	0	56	3	88	35	0	2	0	0	75	3	141	4	0	2	0	0	0	0	0	0	0	0	0	0
2200	51	0	0	2	80	0	0	2	0	0	66	0	92	52	0	2	0	0	68	0	83	49	0	2	0	0	0	0	0	0	0	0	0	0
2300	55	0	0	2	109	0	0	2	0	0	86	0	104	64	0	2	0	0	80	0	89	72	0	2	0	0	0	0	0	0	0	0	0	0
2400	51	0	0	2	56	0	0	2	0	0	97	0	104	85	0	2	0	0	121	0	134	117	0	2	0	0	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 1804	S	D.T. 2 1808	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	199	0	199	0	-2	2	-150	2	0	0	0	0	20	0	20	0	36	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
200	194	0	195	0	-2	2	-151	2	0	0	0	0	29	0	29	0	52	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
300	190	0	191	0	-2	2	-154	2	0	0	0	0	24	0	24	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
400	192	0	194	0	-2	2	-154	2	0	0	0	0	29	0	28	0	52	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
500	185	0	185	0	-2	2	-157	2	0	0	0	0	23	0	23	0	41	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
600	187	0	188	0	-2	2	-151	2	0	0	0	0	13	0	13	0	23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
700	199	0	200	0	-2	2	-152	2	0	0	0	0	3	0	2	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
800	219	0	220	0	-2	2	-146	2	0	0	0	0	-12	0	-13	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
900	223	0	224	0	-2	2	-142	2	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	268	0	270	0	-2	2	-134	2	0	0	0	0	-28	0	-28	0	-46	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	251	0	252	0	-2	2	-139	2	0	0	0	0	10	0	11	0	18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	237	0	239	0	-2	2	-142	2	0	0	0	0	-19	0	-20	0	-34	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	227	0	229	0	-2	2	-142	2	0	0	0	0	-15	0	-16	0	-27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	223	0	224	0	-2	2	-140	2	0	0	0	0	-11	0	-12	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	219	0	220	0	-2	2	-139	2	0	0	0	0	-7	0	-8	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	239	0	241	0	-2	2	-138	2	0	0	0	0	-13	0	-15	0	-23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	248	0	250	0	-2	2	-134	2	0	0	0	0	-13	0	-14	0	-23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	253	0	254	0	-2	2	-136	2	0	0	0	0	-15	0	-14	0	-27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	246	0	246	0	-2	2	-137	2	0	0	0	0	-9	0	-8	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	211	0	211	0	-2	2	-145	2	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	199	0	199	0	-2	2	-148	2	0	0	0	0	12	0	12	0	21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	198	0	199	0	-2	2	-144	2	0	0	0	0	13	0	12	0	23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	195	0	196	0	-2	2	-145	2	0	0	0	0	19	0	19	0	34	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	198	0	197	0	-2	2	-148	2	0	0	0	0	18	0	18	0	32	0	0	0	0	2	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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	56	0	0	2	62	0	0	2	0	0	193	0	143	104	0	2	0	0	140	0	140	140	0	2	0	0	0	0	0	0	0	0	0	0
200	51	0	0	2	65	0	0	2	0	0	114	0	137	106	0	2	0	0	128	0	138	117	0	2	0	0	0	0	0	0	0	0	0	0
300	50	0	0	2	60	0	0	2	0	0	100	0	108	91	0	2	0	0	117	0	117	94	0	2	0	0	0	0	0	0	0	0	0	0
400	52	0	0	2	67	0	0	2	0	0	75	0	100	60	0	2	0	0	94	0	94	94	0	2	0	0	0	0	0	0	0	0	0	0
500	61	0	0	2	66	0	0	2	0	0	67	0	91	56	0	2	0	0	93	0	94	79	0	2	0	0	0	0	0	0	0	0	0	0
600	58	0	0	2	76	0	0	2	0	0	75	0	98	66	0	2	0	0	91	0	94	83	0	2	0	0	0	0	0	0	0	0	0	0
700	45	0	0	2	90	0	0	2	0	0	82	0	104	59	0	2	0	0	89	0	94	72	0	2	0	0	0	0	0	0	0	0	0	0
800	60	0	0	2	84	0	0	2	0	0	57	0	81	36	0	2	0	0	54	0	88	49	0	2	0	0	0	0	0	0	0	0	0	0
900	59	0	0	2	73	0	0	2	0	0	91	0	95	3	0	2	0	0	54	0	89	26	0	2	0	0	0	0	0	0	0	0	0	0
1000	37	0	0	2	53	0	0	2	0	0	13	0	80	305	0	2	0	0	21	0	73	315	0	2	0	0	0	0	0	0	0	0	0	0
1100	100	0	0	2	135	0	0	2	0	0	8	0	81	315	0	2	0	0	6	0	28	320	0	2	0	0	0	0	0	0	0	0	0	0
1200	72	0	0	2	111	0	0	2	0	0	6	0	177	308	0	2	0	0	3	0	51	298	0	2	0	0	0	0	0	0	0	0	0	0
1300	83	0	0	2	119	0	0	2	0	0	9	0	81	293	0	2	0	0	356	0	45	320	0	2	0	0	0	0	0	0	0	0	0	0
1400	56	0	0	2	107	0	0	2	0	0	355	0	157	297	0	2	0	0	352	0	28	298	0	2	0	0	0	0	0	0	0	0	0	0
1500	86	0	0	2	155	0	0	2	0	0	355	0	55	279	0	2	0	0	356	0	28	320	0	2	0	0	0	0	0	0	0	0	0	0
1600	74	0	0	2	118	0	0	2	0	0	2	0	57	289	0	2	0	0	0	0	50	300	0	2	0	0	0	0	0	0	0	0	0	0
1700	115	0	0	2	164	0	0	2	0	0	15	0	89	315	0	2	0	0	9	0	28	342	0	2	0	0	0	0	0	0	0	0	0	0
1800	123	0	0	2	166	0	0	2	0	0	13	0	65	323	0	2	0	0	9	0	43	349	0	2	0	0	0	0	0	0	0	0	0	0
1900	123	0	0	2	172	0	0	2	0	0	14	0	84	327	0	2	0	0	13	0	44	342	0	2	0	0	0	0	0	0	0	0	0	0
2000	103	0	0	2	154	0	0	2	0	0	23	0	71	342	0	2	0	0	26	0	50	5	0	2	0	0	0	0	0	0	0	0	0	0
2100	58	0	0	2	99	0	0	2	0	0	41	0	76	14	0	2	0	0	40	0	50	28	0	2	0	0	0	0	0	0	0	0	0	0
2200	77	0	0	2	122	0	0	2	0	0	21	0	59	348	0	2	0	0	23	0	50	5	0	2	0	0	0	0	0	0	0	0	0	0
2300	56	0	0	2	99	0	0	2	0	0	17	0	42	349	0	2	0	0	21	0	28	5	0	2	0	0	0	0	0	0	0	0	0	0
2400	39	0	0	2	89	0	0	2	0	0	308	0	346	287	0	2	0	0	357	0	5	320	0	2	0	0	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMPA	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	195	0	196	0	-2	2	-149	2	0	0	0	0	23	0	23	0	41	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
200	194	0	194	0	-2	2	-152	2	0	0	0	0	23	0	24	0	41	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
300	189	0	190	0	-2	2	-155	2	0	0	0	0	24	0	24	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
400	182	0	183	0	-2	2	-155	2	0	0	0	0	27	0	27	0	48	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
500	179	0	180	0	-2	2	-156	2	0	0	0	0	25	0	25	0	45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
600	174	0	175	0	-2	2	-151	2	0	0	0	0	29	0	30	0	59	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
700	182	0	183	0	-2	2	-148	2	0	0	0	0	23	0	22	0	41	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
800	201	0	202	0	-2	2	-147	2	0	0	0	0	-2	0	-3	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
900	234	0	235	0	-2	2	-143	2	0	0	0	0	-14	0	-14	0	-25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	254	0	253	0	-2	2	-139	2	0	0	0	0	-20	0	-19	0	-36	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	232	0	232	0	-2	2	-139	2	0	0	0	0	-12	0	-11	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	241	0	242	0	-2	2	-136	2	0	0	0	0	-16	0	-16	0	-28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	248	0	248	0	-2	2	-136	2	0	0	0	0	-20	0	-18	0	-35	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	247	0	247	0	-2	2	-138	2	0	0	0	0	-25	0	-25	0	-45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	227	0	227	0	-2	2	-139	2	0	0	0	0	-19	0	-18	0	-34	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	231	0	231	0	-2	2	-137	2	0	0	0	0	-21	0	-20	0	-37	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	225	0	226	0	-2	2	-142	2	0	0	0	0	-14	0	-13	0	-25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	218	0	218	0	-2	2	-144	2	0	0	0	0	-8	0	-8	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	207	0	208	0	-2	2	-147	2	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	209	0	208	0	-2	2	-148	2	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	199	0	199	0	-2	2	-152	2	0	0	0	0	9	0	9	0	16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	204	0	205	0	-2	2	-152	2	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	195	0	195	0	-2	2	-140	2	0	0	0	0	5	0	5	0	9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	185	0	185	0	-2	2	-144	2	0	0	0	0	14	0	15	0	25	0	0	0	0	2	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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	48	0	0	2	90	0	0	2	0	0	338	0	14	298	0	2	0	0	4	0	28	342	0	2	0	0	0	0	0	0	0	0	0	0
200	51	0	0	2	101	0	0	2	0	0	315	0	1	278	0	2	0	0	0	0	5	342	0	2	0	0	0	0	0	0	0	0	0	0
300	54	0	0	2	111	0	0	2	0	0	342	0	31	273	0	2	0	0	357	0	45	342	0	2	0	0	0	0	0	0	0	0	0	0
400	64	0	0	2	118	0	0	2	0	0	0	0	37	315	0	2	0	0	3	0	28	342	0	2	0	0	0	0	0	0	0	0	0	0
500	58	0	0	2	109	0	0	2	0	0	6	0	42	327	0	2	0	0	5	0	28	342	0	2	0	0	0	0	0	0	0	0	0	0
600	40	0	0	2	66	0	0	2	0	0	14	0	81	284	0	2	0	0	9	0	44	320	0	2	0	0	0	0	0	0	0	0	0	0
700	51	0	0	2	73	0	0	2	0	0	6	0	88	283	0	2	0	0	4	0	50	314	0	2	0	0	0	0	0	0	0	0	0	0
800	48	0	0	2	55	0	0	2	0	0	322	0	12	277	0	2	0	0	3	0	50	297	0	2	0	0	0	0	0	0	0	0	0	0
900	39	0	0	2	45	0	0	2	0	0	285	0	346	186	0	2	0	0	324	0	359	297	0	2	0	0	0	0	0	0	0	0	0	0
1000	50	0	0	2	80	0	0	2	0	0	329	0	26	274	0	2	0	0	352	0	27	319	0	2	0	0	0	0	0	0	0	0	0	0
1100	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	0	0
1200	41	0	0	2	78	0	0	2	0	0	19	0	56	340	0	2	0	0	27	0	44	27	0	2	0	0	0	0	0	0	0	0	0	0
1300	53	0	0	2	78	0	0	2	0	0	303	0	359	244	0	2	0	0	336	0	5	297	0	2	0	0	0	0	0	0	0	0	0	0
1400	75	0	0	2	91	0	0	2	0	0	305	0	337	208	0	2	0	0	324	0	347	297	0	2	0	0	0	0	0	0	0	0	0	0
1500	78	0	0	2	95	0	0	2	0	0	305	0	340	250	0	2	0	0	321	0	342	297	0	2	0	0	0	0	0	0	0	0	0	0
1600	75	0	0	2	97	0	0	2	0	0	19	0	37	273	0	2	0	0	354	0	44	314	0	2	0	0	0	0	0	0	0	0	0	0
1700	50	0	0	2	69	0	0	2	0	0	15	0	100	299	0	2	0	0	7	0	44	320	0	2	0	0	0	0	0	0	0	0	0	0
1800	69	0	0	2	91	0	0	2	0	0	14	0	55	347	0	2	0	0	12	0	28	357	0	2	0	0	0	0	0	0	0	0	0	0
1900	45	0	0	2	75	0	0	2	0	0	14	0	59	328	0	2	0	0	29	0	51	5	0	2	0	0	0	0	0	0	0	0	0	0
2000	39	0	0	2	79	0	0	2	0	0	15	0	34	348	0	2	0	0	28	0	44	27	0	2	0	0	0	0	0	0	0	0	0	0
2100	50	0	0	2	87	0	0	2	0	0	22	0	44	1	0	2	0	0	28	0	44	27	0	2	0	0	0	0	0	0	0	0	0	0
2200	41	0	0	2	65	0	0	2	0	0	52	0	61	38	0	2	0	0	50	0	50	50	0	2	0	0	0	0	0	0	0	0	0	0
2300	63	0	0	2	111	0	0	2	0	0	83	0	72	56	0	2	0	0	73	0	73	73	0	2	0	0	0	0	0	0	0	0	0	0
2400	84	0	0	2	99	0	0	2	0	0	91	0	94	83	0	2	0	0	94	0	95	86	0	2	0	0	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMPA	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	188	0	187	0	-2	2	-188	2	0	0	0	0	13	0	13	0	23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
200	185	0	186	0	-2	2	-147	2	0	0	0	0	18	0	18	0	32	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
300	186	0	186	0	-2	2	-173	2	0	0	0	0	5	0	5	0	9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
400	183	0	184	0	-2	2	-172	2	0	0	0	0	3	0	3	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
500	183	0	184	0	-2	2	-184	2	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
600	191	0	193	0	-2	2	-157	2	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
700	204	0	205	0	-2	2	-148	2	0	0	0	0	-13	0	-13	0	-23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
800	217	0	217	0	-2	2	-143	2	0	0	0	0	-12	0	-12	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
900	232	0	233	0	-194	2	-113	2	0	0	0	0	-7	0	-8	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	229	0	230	0	-191	2	-115	2	0	0	0	0	-13	0	-14	0	-23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
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
1200	249	0	248	0	-205	2	-103	2	0	0	0	0	2	0	3	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	237	0	238	0	-182	2	-115	2	0	0	0	0	-25	0	-26	0	-45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	234	0	235	0	-185	2	-115	2	0	0	0	0	-23	0	-23	0	-41	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	232	0	233	0	-190	2	-114	2	0	0	0	0	-21	0	-21	0	-37	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	233	0	234	0	-188	2	-114	2	0	0	0	0	-16	0	-16	0	-28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	242	0	244	0	-207	2	-114	2	0	0	0	0	-15	0	-16	0	-27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	251	0	252	0	-193	2	-111	2	0	0	0	0	-12	0	-12	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	252	0	252	0	-193	2	-109	2	0	0	0	0	-5	0	-5	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	240	0	240	0	-205	2	-110	2	0	0	0	0	8	0	8	0	14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	228	0	230	0	-202	2	-111	2	0	0	0	0	15	0	14	0	27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	213	0	213	0	-233	2	-113	2	0	0	0	0	21	0	24	0	41	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	216	0	218	0	-251	2	-114	2	0	0	0	0	21	0	22	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	219	0	216	0	-249	2	-117	2	0	0	0	0	27	0	27	0	48	0	0	0	0	2	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 = CALM DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	67	0	0	2	102	0	0	2	0	0	103	0	109	95	0	2	0	0	95	0	97	95	0	2	0	0	0	0	0	0	0	0	0	0
200	58	0	0	2	97	0	0	2	0	0	118	0	138	109	0	2	0	0	104	0	116	95	0	2	0	0	0	0	0	0	0	0	0	0
300	39	0	0	2	69	0	0	2	0	0	145	0	215	111	0	2	0	0	120	0	135	118	0	2	0	0	0	0	0	0	0	0	0	0
400	47	0	0	2	100	0	0	2	0	0	140	0	181	103	0	2	0	0	140	0	141	127	0	2	0	0	0	0	0	0	0	0	0	0
500	45	0	0	2	68	0	0	2	0	0	131	0	169	90	0	2	0	0	141	0	163	131	0	2	0	0	0	0	0	0	0	0	0	0
600	45	0	0	2	72	0	0	2	0	0	98	0	104	92	0	2	0	0	133	0	140	118	0	2	0	0	0	0	0	0	0	0	0	0
700	18	0	0	2	42	0	0	2	0	0	154	0	213	120	0	2	0	0	197	0	207	179	0	2	0	0	0	0	0	0	0	0	0	0
800	41	0	0	2	74	0	0	2	0	0	192	0	282	101	0	2	0	0	211	0	239	184	0	2	0	0	0	0	0	0	0	0	0	0
900	52	0	0	2	86	0	0	2	0	0	245	0	290	199	0	2	0	0	232	0	269	219	0	2	0	0	0	0	0	0	0	0	0	0
1000	43	0	0	2	68	0	0	2	0	0	238	0	278	191	0	2	0	0	245	0	275	224	0	2	0	0	0	0	0	0	0	0	0	0
1100	31	0	0	2	59	0	0	2	0	0	245	0	346	214	0	2	0	0	289	0	342	229	0	2	0	0	0	0	0	0	0	0	0	0
1200	31	0	0	2	39	0	0	2	0	0	278	0	335	191	0	2	0	0	300	0	321	268	0	2	0	0	0	0	0	0	0	0	0	0
1300	45	0	0	2	61	0	0	2	0	0	286	0	343	224	0	2	0	0	317	0	342	288	0	2	0	0	0	0	0	0	0	0	0	0
1400	60	0	0	2	76	0	0	2	0	0	326	0	69	270	0	2	0	0	342	0	12	297	0	2	0	0	0	0	0	0	0	0	0	0
1500	59	0	0	2	65	0	0	2	0	0	330	0	26	270	0	2	0	0	345	0	5	320	0	2	0	0	0	0	0	0	0	0	0	0
1600	25	0	0	2	37	0	0	2	0	0	18	3	148	272	0	2	0	0	353	0	50	274	0	2	0	0	0	0	0	0	0	0	0	0
1700	31	0	0	2	44	0	0	2	0	0	5	0	122	282	0	2	0	0	18	0	50	342	0	2	0	0	0	0	0	0	0	0	0	0
1800	19	0	0	2	25	0	0	2	0	0	336	3	78	271	0	2	0	0	2	3	73	275	0	2	0	0	0	0	0	0	0	0	0	0
1900	16	0	0	2	30	0	0	2	0	0	56	3	89	29	0	2	0	0	97	3	118	73	0	2	0	0	0	0	0	0	0	0	0	0
2000	32	0	0	2	51	0	0	2	0	0	103	0	155	65	0	2	0	0	128	0	159	95	0	2	0	0	0	0	0	0	0	0	0	0
2100	66	0	0	2	113	0	0	2	0	0	204	3	237	169	0	2	0	0	211	0	230	207	0	2	0	0	0	0	0	0	0	0	0	0
2200	48	0	0	2	121	0	0	2	0	0	193	0	244	109	0	2	0	0	197	0	224	184	0	2	0	0	0	0	0	0	0	0	0	0
2300	59	0	0	2	125	0	0	2	0	0	185	0	229	144	0	2	0	0	204	0	229	184	0	2	0	0	0	0	0	0	0	0	0	0
2400	57	0	0	2	140	0	0	2	0	0	181	0	222	115	0	2	0	0	191	0	207	184	0	2	0	0	0	0	0	0	0	0	0	0

HOUR	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 150A	S	D.T. 2 150B	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	215	0	215	0	-248	2	-115	2	0	0	0	0	31	0	30	0	55	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	215	0	216	0	-245	2	-118	2	0	0	0	0	30	0	30	0	54	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	213	0	213	0	-248	2	-117	2	0	0	0	0	31	0	31	0	55	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	213	0	215	0	-251	2	-118	2	0	0	0	0	30	0	29	0	54	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	229	0	230	0	-248	2	-118	2	0	0	0	0	15	0	14	0	27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	201	0	201	0	-217	2	-115	2	0	0	0	0	24	0	26	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	214	0	218	0	-235	2	-115	2	0	0	0	0	10	0	9	0	18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	244	0	246	0	-226	2	-114	2	0	0	0	0	-8	0	-9	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	249	0	249	0	-250	2	-115	2	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	255	0	257	0	-188	2	-110	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	259	0	260	0	-193	2	-111	2	0	0	0	0	-4	0	-3	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	284	0	287	0	-192	2	-110	2	0	0	0	0	-21	0	-21	0	-37	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	294	0	298	0	-197	2	-111	2	0	0	0	0	-28	0	-27	0	-46	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	294	0	293	0	-202	2	-113	2	0	0	0	0	-26	0	-25	0	-46	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	305	0	306	0	-202	2	-110	2	0	0	0	0	-18	0	-18	0	-32	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	324	0	325	0	-203	2	-109	2	0	0	0	0	-30	0	-31	0	-54	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	322	0	322	0	-198	2	-108	2	0	0	0	0	-20	0	-21	0	-36	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	327	0	326	0	-194	2	-108	2	0	0	0	0	-11	0	-10	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	315	0	315	0	-194	2	-109	2	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	290	0	289	0	-202	2	-107	2	0	0	0	0	7	0	8	0	13	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	281	0	281	0	-213	2	-107	2	0	0	0	0	6	0	6	0	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	269	0	269	0	-212	2	-107	2	0	0	0	0	10	0	11	0	18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	261	0	262	0	-220	2	-109	2	0	0	0	0	13	0	13	0	23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	253	0	254	0	-231	2	-112	2	0	0	0	0	13	0	14	0	25	0	0	0	0	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 =CALM DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	68	0	0	2	135	0	0	2	0	0	193	0	241	122	0	2	0	0	200	0	230	179	0	2	0	0	0	0	0	0	0	0	0	0
200	86	0	0	2	139	0	0	2	0	0	206	0	240	155	0	2	0	0	210	0	230	174	0	2	0	0	0	0	0	0	0	0	0	0
300	62	0	0	2	113	0	0	2	0	0	197	0	238	155	0	2	0	0	205	0	228	184	0	2	0	0	0	0	0	0	0	0	0	0
400	81	0	0	2	141	0	0	2	0	0	216	0	258	172	0	2	0	0	219	0	230	184	0	2	0	0	0	0	0	0	0	0	0	0
500	76	0	0	2	130	0	0	2	0	0	209	0	256	138	0	2	0	0	220	0	230	207	0	2	0	0	0	0	0	0	0	0	0	0
600	70	0	0	2	122	0	0	2	0	0	203	0	243	169	0	2	0	0	209	0	230	184	0	2	0	0	0	0	0	0	0	0	0	0
700	78	0	0	2	126	0	0	2	0	0	212	0	249	154	0	2	0	0	212	0	230	169	0	2	0	0	0	0	0	0	0	0	0	0
800	30	2	0	2	36	2	0	2	0	0	281	2	327	221	0	2	0	0	314	2	342	274	0	2	0	0	0	0	0	0	0	0	0	0
900	97	0	0	2	153	0	0	2	0	0	229	0	299	185	0	2	0	0	226	0	252	207	0	2	0	0	0	0	0	0	0	0	0	0
1000	130	0	0	2	162	0	0	2	0	0	228	0	255	191	0	2	0	0	230	0	252	184	0	2	0	0	0	0	0	0	0	0	0	0
1100	98	0	0	2	140	0	0	2	0	0	228	0	267	196	0	2	0	0	241	0	263	230	0	2	0	0	0	0	0	0	0	0	0	0
1200	98	0	0	2	122	0	0	2	0	0	228	0	265	174	0	2	0	0	239	0	254	184	0	2	0	0	0	0	0	0	0	0	0	0
1300	94	0	0	2	144	0	0	2	0	0	234	0	254	182	0	2	0	0	243	0	265	230	0	2	0	0	0	0	0	0	0	0	0	0
1400	80	0	0	2	91	0	0	2	0	0	229	0	302	180	0	2	0	0	248	0	275	207	0	2	0	0	0	0	0	0	0	0	0	0
1500	72	0	0	2	100	0	0	2	0	0	238	0	293	198	0	2	0	0	252	0	298	213	0	2	0	0	0	0	0	0	0	0	0	0
1600	102	0	0	2	149	0	0	2	0	0	231	0	273	202	0	2	0	0	248	0	274	230	0	2	0	0	0	0	0	0	0	0	0	0
1700	109	0	0	2	167	0	0	2	0	0	232	0	276	194	0	2	0	0	248	0	252	230	0	2	0	0	0	0	0	0	0	0	0	0
1800	110	0	0	2	158	0	0	2	0	0	228	0	269	171	0	2	0	0	234	0	252	218	0	2	0	0	0	0	0	0	0	0	0	0
1900	117	0	0	2	186	0	0	2	0	0	238	0	257	193	0	2	0	0	238	0	260	230	0	2	0	0	0	0	0	0	0	0	0	0
2000	102	0	0	2	175	0	0	2	0	0	227	0	267	181	0	2	0	0	234	0	252	230	0	2	0	0	0	0	0	0	0	0	0	0
2100	98	0	0	2	160	0	0	2	0	0	229	0	269	189	0	2	0	0	238	0	254	229	0	2	0	0	0	0	0	0	0	0	0	0
2200	112	0	0	2	186	0	0	2	0	0	230	0	283	198	0	2	0	0	236	0	252	229	0	2	0	0	0	0	0	0	0	0	0	0
2300	98	0	0	2	162	0	0	2	0	0	227	0	278	202	0	2	0	0	239	0	252	207	0	2	0	0	0	0	0	0	0	0	0	0
2400	80	0	0	2	157	0	0	2	0	0	229	0	280	196	0	2	0	0	230	0	230	230	0	2	0	0	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMPR	S	D.T. 1 150A	S	D.T. 2 150B	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	254	0	255	0	-238	2	-113	2	0	0	0	0	7	0	7	0	12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
200	254	0	255	0	-244	2	-115	2	0	0	0	0	2	0	3	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
300	251	0	251	0	-252	2	-117	2	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
400	247	0	247	0	-250	2	-118	2	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
500	243	0	244	0	-255	2	-118	2	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
600	242	0	243	0	-232	2	-114	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
700	248	0	247	0	-226	2	-112	2	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
800	258	2	257	2	-193	2	-109	2	0	0	0	0	-8	2	-8	2	-14	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
900	264	0	265	0	-181	2	-108	2	0	0	0	0	-8	0	-9	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	266	0	267	0	-168	2	-107	2	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	260	0	261	0	-165	2	-107	2	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	264	0	265	0	-172	2	-108	2	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	278	0	280	0	-178	2	-107	2	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	288	0	289	0	-203	2	-110	2	0	0	0	0	-11	0	-11	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	300	0	301	0	-203	2	-110	2	0	0	0	0	-15	0	-17	0	-28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	288	0	290	0	-200	2	-110	2	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	291	0	293	0	-198	2	-109	2	0	0	0	0	1	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	285	0	286	0	-193	2	-108	2	0	0	0	0	-1	0	1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	277	0	278	0	-180	2	-106	2	0	0	0	0	5	0	5	0	9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	270	0	270	0	-178	2	-106	2	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	258	0	258	0	-194	2	-107	2	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	254	0	254	0	-198	2	-108	2	0	0	0	0	3	0	3	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	252	0	252	0	-223	2	-109	2	0	0	0	0	6	0	6	0	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	246	0	246	0	-233	2	-111	2	0	0	0	0	18	0	18	0	32	0	0	0	0	2	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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	113	0	0	2	188	0	0	2	0	0	225	0	267	189	0	2	0	0	230	0	247	215	0	2	0	0	0	0	0	0	0	0	0	0
200	121	0	0	2	201	0	0	2	0	0	231	0	256	203	0	2	0	0	231	0	252	230	0	2	0	0	0	0	0	0	0	0	0	0
300	112	0	0	2	188	0	0	2	0	0	231	0	267	198	0	2	0	0	232	0	252	224	0	2	0	0	0	0	0	0	0	0	0	0
400	125	0	0	2	202	0	0	2	0	0	228	0	258	189	0	2	0	0	231	0	252	214	0	2	0	0	0	0	0	0	0	0	0	0
500	113	0	0	2	196	0	0	2	0	0	219	0	267	175	0	2	0	0	228	0	252	207	0	2	0	0	0	0	0	0	0	0	0	0
600	109	0	0	2	187	0	0	2	0	0	224	0	266	184	0	2	0	0	227	0	275	207	0	2	0	0	0	0	0	0	0	0	0	0
700	123	0	0	2	190	0	0	2	0	0	235	0	259	188	0	2	0	0	229	0	252	207	0	2	0	0	0	0	0	0	0	0	0	0
800	83	0	0	2	140	0	0	2	0	0	240	0	298	185	0	2	0	0	247	0	275	229	0	2	0	0	0	0	0	0	0	0	0	0
900	70	0	0	2	117	0	0	2	0	0	243	0	288	187	0	2	0	0	247	0	275	215	0	2	0	0	0	0	0	0	0	0	0	0
1000	107	0	0	2	135	0	0	2	0	0	245	0	257	225	0	2	0	0	261	0	276	230	0	2	0	0	0	0	0	0	0	0	0	0
1100	97	0	0	2	135	0	0	2	0	0	279	1	330	240	0	2	0	0	276	0	320	264	0	2	0	0	0	0	0	0	0	0	0	0
1200	84	0	0	2	112	0	0	2	0	0	345	0	46	273	0	2	0	0	351	0	6	274	0	2	0	0	0	0	0	0	0	0	0	0
1300	91	0	0	2	123	0	0	2	0	0	335	0	42	271	0	2	0	0	342	0	5	319	0	2	0	0	0	0	0	0	0	0	0	0
1400	63	0	0	2	107	0	0	2	0	0	340	0	68	285	0	2	0	0	351	0	16	319	0	2	0	0	0	0	0	0	0	0	0	0
1500	87	0	0	2	126	0	0	2	0	0	331	0	19	271	0	2	0	0	344	0	5	280	0	2	0	0	0	0	0	0	0	0	0	0
1600	76	0	0	2	128	0	0	2	0	0	340	0	49	276	0	2	0	0	345	0	5	274	0	2	0	0	0	0	0	0	0	0	0	0
1700	91	0	0	2	112	0	0	2	0	0	335	0	14	279	0	2	0	0	342	0	5	274	0	2	0	0	0	0	0	0	0	0	0	0
1800	61	0	0	2	107	0	0	2	0	0	354	0	75	272	0	2	0	0	352	0	50	274	0	2	0	0	0	0	0	0	0	0	0	0
1900	97	0	0	2	121	0	0	2	0	0	15	0	68	334	0	2	0	0	5	0	22	345	0	2	0	0	0	0	0	0	0	0	0	0
2000	89	0	0	2	130	0	0	2	0	0	11	0	42	343	0	2	0	0	5	0	42	342	0	2	0	0	0	0	0	0	0	0	0	0
2100	88	0	0	2	129	0	0	2	0	0	10	0	48	351	0	2	0	0	5	0	5	0	0	2	0	0	0	0	0	0	0	0	0	0
2200	89	0	0	2	135	0	0	2	0	0	10	0	56	337	0	2	0	0	3	0	5	319	0	2	0	0	0	0	0	0	0	0	0	0
2300	102	0	0	2	152	0	0	2	0	0	12	0	34	342	0	2	0	0	5	0	5	5	0	2	0	0	0	0	0	0	0	0	0	0
2400	87	0	0	2	135	0	0	2	0	0	16	0	53	342	0	2	0	0	5	0	22	344	0	2	0	0	0	0	0	0	0	0	0	0

HOUR	AMB. TEMP1 30 A	S	AMB. TEMP2 30 B	S	AMB. TEMP3 180A	S	AMB. TEMP4 180B	S	AMB. TEMP5	S	AMB. TEMPA	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	255	0	255	0	-227	2	-132	2	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	250	0	250	0	-239	2	-135	2	0	0	0	0	6	0	7	0	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	245	0	246	0	-238	2	-136	2	0	0	0	0	5	0	5	0	9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	245	0	246	0	-249	2	-137	2	0	0	0	0	3	0	3	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	245	0	245	0	-242	2	-137	2	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	247	0	248	0	-214	2	-132	2	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	246	0	247	0	-207	2	-131	2	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	247	0	248	0	-202	2	-131	2	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	251	0	252	0	-198	2	-132	2	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	245	0	246	0	-183	2	-130	2	0	0	0	0	-7	0	-8	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	247	0	248	0	-194	2	-131	2	0	0	0	0	-12	0	-12	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	245	0	246	0	-198	2	-132	2	0	0	0	0	-17	0	-16	0	-30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	224	0	225	0	-208	2	-135	2	0	0	0	0	-14	0	-13	0	-25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	221	0	222	0	-203	2	-135	2	0	0	0	0	-10	0	-11	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	223	0	223	0	-211	2	-135	2	0	0	0	0	-13	0	-13	0	-23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	227	0	229	0	-217	2	-135	2	0	0	0	0	-17	0	-18	0	-30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	222	0	224	0	-211	2	-134	2	0	0	0	0	-14	0	-14	0	-25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	220	0	220	0	-223	2	-136	2	0	0	0	0	-12	0	-11	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	221	0	222	0	-211	2	-135	2	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	214	0	215	0	-216	2	-136	2	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	212	0	212	0	-239	2	-139	2	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	215	0	216	0	-249	2	-139	2	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	214	0	215	0	-247	2	-139	2	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	213	0	212	0	-241	2	-139	2	0	0	0	0	5	0	5	0	9	0	0	0	0	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 = MISSING DIRECTION, 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 30 A S	WIND SPD2 30 B S	WIND SPD3 1804 S	WIND SPD4 1808 S	WIND SPD5 S	WIND DIR1 30 A S	MAX	MIN	WIND DIR2 30 B S	MAX	MIN	WIND DIR3 1804 S	MAX	MIN	WIND DIR4 1808 S	MAX	MIN	WIND DIR5 S	MAX	MIN	WIND DIR6 S	MAX	MIN
100	49 0	0 2	98 0	0 2	0 0	40 0	56	25	0 2	0	0	18 0	50	5	0 2	0	0	0 0	0	0	0 0	0	0
200	61 0	0 2	100 0	0 2	0 0	89 0	99	77	0 2	0	0	89 0	73	58	0 2	0	0	0 0	0	0	0 0	0	0
300	74 0	0 2	115 0	0 2	0 0	83 0	94	71	0 2	0	0	72 0	73	72	0 2	0	0	0 0	0	0	0 0	0	0
400	56 0	0 2	117 0	0 2	0 0	72 0	80	56	0 2	0	0	72 0	73	72	0 2	0	0	0 0	0	0	0 0	0	0
500	57 0	0 2	114 0	0 2	0 0	59 0	68	38	0 2	0	0	73 0	73	72	0 2	0	0	0 0	0	0	0 0	0	0
600	52 0	0 2	110 0	0 2	0 0	40 0	72	296	0 2	0	0	58 0	73	319	0 2	0	0	0 0	0	0	0 0	0	0
700	57 0	0 2	87 0	0 2	0 0	333 0	3	289	0 2	0	0	338 0	354	319	0 2	0	0	0 0	0	0	0 0	0	0
800	41 0	0 2	67 0	0 2	0 0	16 0	51	282	0 2	0	0	2 0	51	320	0 2	0	0	0 0	0	0	0 0	0	0
900	49 0	0 2	58 0	0 2	0 0	355 0	70	284	0 2	0	0	358 0	50	275	0 2	0	0	0 0	0	0	0 0	0	0
1000	51 0	0 2	75 0	0 2	0 0	322 0	24	276	0 2	0	0	346 0	7	320	0 2	0	0	0 0	0	0	0 0	0	0
1100	85 0	0 2	96 0	0 2	0 0	324 0	26	271	0 2	0	0	335 0	5	320	0 2	0	0	0 0	0	0	0 0	0	0
1200	82 0	0 2	103 0	0 2	0 0	324 0	27	286	0 2	0	0	341 0	12	275	0 2	0	0	0 0	0	0	0 0	0	0
1300	85 0	0 2	110 0	0 2	0 0	324 0	48	271	0 2	0	0	332 0	5	275	0 2	0	0	0 0	0	0	0 0	0	0
1400	70 0	0 2	89 0	0 2	0 0	310 0	348	262	0 2	0	0	324 0	351	275	0 2	0	0	0 0	0	0	0 0	0	0
1500	73 0	0 2	89 0	0 2	0 0	316 0	21	273	0 2	0	0	326 0	5	275	0 2	0	0	0 0	0	0	0 0	0	0
1600	62 0	0 2	88 0	0 2	0 0	313 0	355	191	0 2	0	0	343 0	12	275	0 2	0	0	0 0	0	0	0 0	0	0
1700	57 0	0 2	75 0	0 2	0 0	308 0	54	270	0 2	0	0	337 0	5	275	0 2	0	0	0 0	0	0	0 0	0	0
1800	48 0	0 2	64 0	0 2	0 0	305 0	22	273	0 2	0	0	327 0	354	275	0 2	0	0	0 0	0	0	0 0	0	0
1900	40 0	0 2	55 0	0 2	0 0	357 0	67	318	0 2	0	0	353 0	5	275	0 2	0	0	0 0	0	0	0 0	0	0
2000	59 0	0 2	80 0	0 2	0 2	46 0	20	65	0 2	0	0	34 2	24	47	0 2	0	0	0 2	0	0	0 2	0	0
2100	63 0	0 2	108 0	0 2	0 2	78 0	69	86	0 2	0	0	51 2	44	57	0 2	0	0	0 2	0	0	0 2	0	0
2200	70 0	0 2	108 0	0 2	0 2	97 0	80	88	0 2	0	0	51 2	48	56	0 2	0	0	0 2	0	0	0 2	0	0
2300	68 0	0 2	108 0	0 2	0 2	89 0	97	71	0 2	0	0	47 2	42	52	0 2	0	0	0 2	0	0	0 2	0	0
2400	64 0	0 2	120 0	0 2	0 2	102 0	104	88	0 2	0	0	57 2	50	66	0 2	0	0	0 2	0	0	0 2	0	0

HOUR	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 1804 S	AMB. TEM4 1808 S	AMB. TEM5 S	AMB. TEMPA S	D.T. 1 1804 S	D.T. 2 1808 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	193 0	192 0	-244 2	-193 2	0 0	0 0	22 0	25 0	39 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
200	193 0	194 0	-251 2	-196 2	0 0	0 0	15 0	15 0	27 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
300	187 0	188 0	-255 2	-197 2	0 0	0 0	14 0	14 0	25 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
400	175 0	177 0	-250 2	-197 2	0 0	0 0	28 0	28 0	50 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
500	168 0	168 0	-238 2	-193 2	0 0	0 0	37 0	38 0	66 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
600	169 0	171 0	-213 2	-116 2	0 0	0 0	44 0	43 0	79 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
700	204 0	205 0	-213 2	-117 2	0 0	0 0	2 0	1 0	3 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
800	218 0	218 0	-2 2	-146 2	0 0	0 0	-13 0	-13 0	-23 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
900	230 0	232 0	-2 2	-136 2	0 0	0 0	-12 0	-13 0	-21 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1000	234 0	235 0	-2 2	-138 2	0 0	0 0	-11 0	-11 0	-19 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1100	241 0	242 0	-2 2	-136 2	0 0	0 0	-12 0	-12 0	-21 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1200	245 0	246 0	-2 2	-137 2	0 0	0 0	-15 0	-15 0	-27 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1300	249 0	250 0	-2 2	-135 2	0 0	0 0	-20 0	-20 0	-36 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1400	260 0	261 0	-2 2	-136 2	0 0	0 0	-28 0	-28 0	-50 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1500	260 0	261 0	-2 2	-136 2	0 0	0 0	-28 0	-28 0	-50 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1600	255 0	256 0	-2 2	-133 2	0 0	0 0	-18 0	-18 0	-32 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1700	256 0	257 0	-2 2	-130 2	0 0	0 0	-19 0	-17 0	-32 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1800	253 0	254 0	-2 2	-131 2	0 0	0 0	-15 0	-15 0	-28 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1900	248 0	248 0	-2 2	-133 2	0 0	0 0	-9 0	-8 0	-15 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2000	222 0	0 2	0 2	0 2	0 2	0 2	12 0	0 2	21 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2100	219 0	0 2	0 2	0 2	0 2	0 2	18 0	0 2	28 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2200	213 0	0 2	0 2	0 2	0 2	0 2	19 0	0 2	34 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2300	209 0	0 2	0 2	0 2	0 2	0 2	32 0	0 2	57 0	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
2400	202 0	0 2	0 2	0 2	0 2	0 2	35 0	0 2	63 0	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 = HEAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	52	0	0	2	113	0	0	2	0	0	188	0	239	123	0	2	0	0	185	0	205	184	0	2	0	0	0	0	0	0	0	0	0	0
200	39	0	0	2	102	0	0	2	0	0	165	0	210	110	0	2	0	0	184	0	193	184	0	2	0	0	0	0	0	0	0	0	0	0
300	38	0	0	2	102	0	0	2	0	0	173	0	227	113	0	2	0	0	184	0	184	161	0	2	0	0	0	0	0	0	0	0	0	0
400	43	0	0	2	109	0	0	2	0	0	184	0	250	109	0	2	0	0	184	0	184	181	0	2	0	0	0	0	0	0	0	0	0	0
500	51	0	0	2	110	0	0	2	0	0	195	0	265	122	0	2	0	0	184	0	187	161	0	2	0	0	0	0	0	0	0	0	0	0
600	70	0	0	2	102	0	0	2	0	0	224	0	261	190	0	2	0	0	184	0	205	184	0	2	0	0	0	0	0	0	0	0	0	0
700	32	0	0	2	75	0	0	2	0	0	189	0	258	98	0	2	0	0	184	0	201	184	0	2	0	0	0	0	0	0	0	0	0	0
800	45	0	0	2	99	0	0	2	0	0	189	0	243	110	0	2	0	0	184	0	191	173	0	2	0	0	0	0	0	0	0	0	0	0
900	60	0	0	2	132	0	0	2	0	0	150	0	231	91	0	2	0	0	158	0	184	94	0	2	0	0	0	0	0	0	0	0	0	0
1000	52	0	0	2	101	0	0	2	0	0	120	0	168	55	0	2	0	0	132	0	162	94	0	2	0	0	0	0	0	0	0	0	0	0
1100	91	0	0	2	136	0	0	2	0	0	109	0	155	67	0	2	0	0	102	0	139	93	0	2	0	0	0	0	0	0	0	0	0	0
1200	62	0	0	2	107	0	0	2	0	0	112	0	161	62	0	2	0	0	130	0	162	93	0	2	0	0	0	0	0	0	0	0	0	0
1300	45	0	0	2	91	0	0	2	0	0	153	0	265	94	0	2	0	0	170	0	184	139	0	2	0	0	0	0	0	0	0	0	0	0
1400	40	0	0	2	88	0	0	2	0	0	150	0	220	94	0	2	0	0	166	0	184	94	0	2	0	0	0	0	0	0	0	0	0	0
1500	29	0	0	2	39	0	0	2	0	0	217	0	287	135	0	2	0	0	180	0	190	94	0	2	0	0	0	0	0	0	0	0	0	0
1600	34	0	0	2	43	0	0	2	0	0	287	0	351	217	0	2	0	0	280	0	320	184	0	2	0	0	0	0	0	0	0	0	0	0
1700	26	0	0	2	34	0	0	2	0	0	274	0	341	206	0	2	0	0	285	0	353	184	0	2	0	0	0	0	0	0	0	0	0	0
1800	29	0	0	2	34	0	0	2	0	0	278	0	350	203	0	2	0	0	275	0	285	274	0	2	0	0	0	0	0	0	0	0	0	0
1900	14	0	0	2	18	0	0	2	0	0	250	0	287	214	0	2	0	0	260	5	320	184	0	2	0	0	0	0	0	0	0	0	0	0
2000	19	0	0	2	25	0	0	2	0	0	109	5	121	97	0	2	0	0	95	0	101	95	0	2	0	0	0	0	0	0	0	0	0	0
2100	39	0	0	2	56	0	0	2	0	0	60	0	100	37	0	2	0	0	5	0	14	5	0	2	0	0	0	0	0	0	0	0	0	0
2200	46	0	0	2	75	0	0	2	0	0	83	0	103	64	0	2	0	0	95	0	95	95	0	2	0	0	0	0	0	0	0	0	0	0
2300	28	0	0	2	43	0	0	2	0	0	98	3	132	58	0	2	0	0	120	3	184	95	0	2	0	0	0	0	0	0	0	0	0	0
2400	25	0	0	2	44	0	0	2	0	0	298	0	356	198	0	2	0	0	320	0	5	274	0	2	0	0	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMPA	S	D.T. 1 150A	S	D.T. 2 150B	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	251	0	251	0	0	2	0	2	0	0	0	0	5	0	5	0	9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
200	241	0	241	0	0	2	0	2	0	0	0	0	12	0	12	0	21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
300	240	0	241	0	0	2	0	2	0	0	0	0	8	0	8	0	14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
400	241	0	242	0	-11	2	-09	2	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
500	236	0	236	0	0	2	0	2	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
600	223	0	223	0	0	2	0	2	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
700	216	0	217	0	0	2	0	2	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
800	223	0	224	0	-11	2	-09	2	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
900	215	0	215	0	0	2	0	2	0	0	0	0	-3	0	-2	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	209	0	209	0	0	2	0	2	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	208	0	208	0	0	2	0	2	0	0	0	0	-1	0	-1	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	212	0	213	0	-11	2	-09	2	0	0	0	0	-6	0	-7	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	229	0	230	0	0	2	0	2	0	0	0	0	-8	0	-10	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	234	0	234	0	0	2	0	2	0	0	0	0	-9	0	-9	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	256	0	256	0	0	2	0	2	0	0	0	0	-14	0	-15	0	-25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	261	0	263	0	-11	2	-09	2	0	0	0	0	-15	0	-15	0	-27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	254	0	255	0	0	2	0	2	0	0	0	0	-11	0	-10	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	262	0	262	0	0	2	0	2	0	0	0	0	-9	0	-7	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	243	0	243	0	0	2	0	2	0	0	0	0	-1	0	0	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	236	0	237	0	-11	2	-09	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	226	0	227	0	0	2	0	2	0	0	0	0	9	0	4	0	15	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	227	0	228	0	0	2	0	2	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	224	0	225	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	215	0	216	0	0	2	0	2	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 M	S	WIND SPD3 150A	S	WIND SPD4 150M	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 M	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150M	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	14	0	0	2	8	0	0	2	0	0	93	0	156	39	0	2	0	0	47	3	162	3	0	2	0	0	0	0	0	0	0	0	0	0
200	20	0	0	2	27	0	0	2	0	0	75	5	113	44	0	2	0	0	99	3	95	5	0	2	0	0	0	0	0	0	0	0	0	0
300	37	0	0	2	57	0	0	2	0	0	88	0	109	41	0	2	0	0	86	0	95	5	0	2	0	0	0	0	0	0	0	0	0	0
400	31	0	0	2	48	0	0	2	0	0	75	0	105	41	0	2	0	0	94	0	95	5	0	2	0	0	0	0	0	0	0	0	0	0
500	15	0	0	2	17	0	0	2	0	0	70	3	100	2	0	2	0	0	1	3	95	274	0	2	0	0	0	0	0	0	0	0	0	0
600	32	0	0	2	47	0	0	2	0	0	310	0	359	230	0	2	0	0	327	0	5	274	0	2	0	0	0	0	0	0	0	0	0	0
700	17	0	0	2	29	0	0	2	0	0	272	0	351	186	0	2	0	0	275	0	320	184	0	2	0	0	0	0	0	0	0	0	0	0
800	25	0	0	2	40	0	0	2	0	0	285	0	345	198	0	2	0	0	274	0	275	274	0	2	0	0	0	0	0	0	0	0	0	0
900	63	0	0	2	95	0	0	2	0	0	356	0	66	277	0	2	0	0	358	0	6	289	0	2	0	0	0	0	0	0	0	0	0	0
1000	36	0	0	2	45	0	0	2	0	0	12	0	66	315	0	2	0	0	5	0	14	343	0	2	0	0	0	0	0	0	0	0	0	0
1100	48	0	0	2	71	0	0	2	0	0	289	0	334	241	0	2	0	0	289	0	342	274	0	2	0	0	0	0	0	0	0	0	0	0
1200	70	0	0	2	98	0	0	2	0	0	281	0	329	230	0	2	0	0	278	0	320	275	0	2	0	0	0	0	0	0	0	0	0	0
1300	51	0	0	2	76	0	0	2	0	0	288	0	341	193	0	2	0	0	294	0	342	184	0	2	0	0	0	0	0	0	0	0	0	0
1400	55	0	0	2	73	0	0	2	0	0	283	0	324	244	0	2	0	0	274	0	283	274	0	2	0	0	0	0	0	0	0	0	0	0
1500	45	0	0	2	58	0	0	2	0	0	272	3	357	218	0	2	0	0	275	0	320	184	0	2	0	0	0	0	0	0	0	0	0	0
1600	37	0	0	2	47	0	0	2	0	0	303	3	359	226	0	2	0	0	321	0	5	274	0	2	0	0	0	0	0	0	0	0	0	0
1700	24	0	0	2	29	0	0	2	0	0	299	3	354	221	0	2	0	0	308	0	5	274	0	2	0	0	0	0	0	0	0	0	0	0
1800	61	0	0	2	76	0	0	2	0	0	295	0	334	213	0	2	0	0	219	0	320	184	0	2	0	0	0	0	0	0	0	0	0	0
1900	75	0	0	2	103	0	0	2	0	0	273	0	352	227	0	2	0	0	274	0	342	184	0	2	0	0	0	0	0	0	0	0	0	0
2000	41	0	0	2	60	0	0	2	0	0	274	0	305	218	0	2	0	0	275	0	275	274	0	2	0	0	0	0	0	0	0	0	0	0
2100	102	0	0	2	161	0	0	2	0	0	279	0	331	233	0	2	0	0	275	0	275	275	0	2	0	0	0	0	0	0	0	0	0	0
2200	107	0	0	2	147	0	0	2	0	0	289	0	340	248	0	2	0	0	275	0	275	275	0	2	0	0	0	0	0	0	0	0	0	0
2300	95	0	0	2	142	0	0	2	0	0	297	0	347	231	0	2	0	0	298	0	319	274	0	2	0	0	0	0	0	0	0	0	0	0
2400	82	0	0	2	125	0	0	2	0	0	300	0	354	237	0	2	0	0	314	0	342	274	0	2	0	0	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 M	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMPR	S	D.T. 1 180A	S	D.T. 2 180M	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	217	0	217	0	0	2	0	2	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	217	0	218	0	0	2	0	2	0	0	0	0	1	0	-1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	218	0	218	0	0	2	0	2	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	217	0	218	0	-11	2	-09	2	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	216	0	217	0	0	2	0	2	0	0	0	0	4	0	3	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	217	0	217	0	0	2	0	2	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	215	0	216	0	0	2	0	2	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	218	0	219	0	-11	2	-09	2	0	0	0	0	-5	0	-4	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	212	0	212	0	0	2	0	2	0	0	0	0	-4	0	-3	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	215	0	216	0	0	2	0	2	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	225	0	227	0	0	2	0	2	0	0	0	0	-17	0	-18	0	-30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	226	0	227	0	-11	2	-09	2	0	0	0	0	-19	0	-19	0	-34	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	234	0	237	0	0	2	0	2	0	0	0	0	-19	0	-20	0	-34	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	245	0	247	0	0	2	0	2	0	0	0	0	-28	0	-27	0	-46	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	245	0	248	0	0	2	0	2	0	0	0	0	-17	0	-17	0	-30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	240	0	243	0	-11	2	-09	2	0	0	0	0	-15	0	-16	0	-27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	242	0	241	0	0	2	0	2	0	0	0	0	-12	0	-10	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	211	0	211	0	0	2	0	2	0	0	0	0	-4	0	-3	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	211	0	212	0	0	2	0	2	0	0	0	0	3	0	3	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	210	0	210	0	-11	2	-09	2	0	0	0	0	8	0	8	0	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	209	0	209	0	0	2	0	2	0	0	0	0	5	0	6	0	9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	208	0	207	0	0	2	0	2	0	0	0	0	3	0	3	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	208	0	209	0	0	2	0	2	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	208	0	208	0	-11	2	-09	2	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	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 = REAL DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	68	0	0	2	114	0	0	2	0	0	320	0	48	275	0	2	0	0	318	0	342	274	0	2	0	0	0	0	0	0	0	0	0	0
200	48	0	0	2	77	0	0	2	0	0	341	0	93	276	0	2	0	0	345	0	5	274	0	2	0	0	0	0	0	0	0	0	0	0
300	68	0	0	2	108	0	0	2	0	0	326	0	9	275	0	2	0	0	330	0	342	275	0	2	0	0	0	0	0	0	0	0	0	0
400	79	0	0	2	121	0	0	2	0	0	320	0	357	284	0	2	0	0	336	0	5	319	0	2	0	0	0	0	0	0	0	0	0	0
500	55	0	0	2	91	0	0	2	0	0	29	0	58	5	0	2	0	0	5	0	14	5	0	2	0	0	0	0	0	0	0	0	0	0
600	84	0	0	2	126	0	0	2	0	0	31	0	63	3	0	2	0	0	5	0	9	5	0	2	0	0	0	0	0	0	0	0	0	0
700	132	0	0	2	187	0	0	2	0	0	18	0	64	332	0	2	0	0	5	0	5	5	0	2	0	0	0	0	0	0	0	0	0	0
800	125	0	0	2	184	0	0	2	0	0	11	0	69	330	0	2	0	0	4	0	5	342	0	2	0	0	0	0	0	0	0	0	0	0
900	143	0	0	2	188	0	0	2	0	0	10	0	70	336	0	2	0	0	3	0	6	342	0	2	0	0	0	0	0	0	0	0	0	0
1000	113	0	0	2	160	0	0	2	0	0	8	0	42	325	0	2	0	0	4	0	5	342	0	2	0	0	0	0	0	0	0	0	0	0
1100	120	0	0	2	176	0	0	2	0	0	8	0	53	330	0	2	0	0	4	0	6	342	0	2	0	0	0	0	0	0	0	0	0	0
1200	90	0	0	2	168	0	0	2	0	0	5	0	79	304	0	2	0	0	354	0	5	319	0	2	0	0	0	0	0	0	0	0	0	0
1300	79	0	0	2	156	0	0	2	0	0	0	0	38	315	0	5	0	0	359	0	5	342	0	5	0	0	0	0	0	0	0	0	0	0
1400	43	0	0	2	78	0	0	2	0	0	47	0	80	6	0	5	0	0	11	0	26	5	0	5	0	0	0	0	0	0	0	0	0	0
1500	100	0	0	2	172	0	0	2	0	0	330	0	56	281	0	2	0	0	343	0	5	274	0	2	0	0	0	0	0	0	0	0	0	0
1600	58	0	0	2	132	0	0	2	0	0	353	0	71	295	0	2	0	0	344	0	10	274	0	2	0	0	0	0	0	0	0	0	0	0
1700	57	0	0	2	126	0	0	2	0	0	345	0	80	276	0	2	0	0	353	0	5	275	0	2	0	0	0	0	0	0	0	0	0	0
1800	88	0	0	2	156	0	0	2	0	0	333	0	53	278	0	2	0	0	342	0	5	319	0	2	0	0	0	0	0	0	0	0	0	0
1900	78	0	0	2	136	0	0	2	0	0	333	0	69	273	0	2	0	0	344	0	5	280	0	2	0	0	0	0	0	0	0	0	0	0
2000	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	0	0
2100	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	0	0
2200	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	0	0
2300	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	0	0
2400	58	0	0	2	110	0	0	2	0	0	29	0	56	8	0	5	0	0	5	0	29	5	0	5	0	0	0	0	0	0	0	0	0	0

HOUR	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 150A	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	205	0	206	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	204	0	205	0	0	2	0	2	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
300	205	0	206	0	0	2	0	2	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
400	203	0	204	0	-11	2	-99	2	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
500	198	0	199	0	0	2	0	2	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
600	196	0	197	0	0	2	0	2	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
700	191	0	192	0	0	2	0	2	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
800	188	0	188	0	-11	2	-99	2	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
900	185	0	186	0	0	2	0	2	0	0	0	0	-9	0	-8	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	173	0	174	0	0	2	0	2	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	174	0	175	0	0	2	0	2	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	171	0	172	0	-11	2	-99	2	0	0	0	0	-8	0	-9	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	147	0	147	0	-11	2	-99	2	0	0	0	0	5	0	5	0	9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	135	0	134	0	0	2	0	2	0	0	0	0	11	0	13	0	19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	164	0	164	0	0	2	0	2	0	0	0	0	-9	0	-9	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	161	0	162	0	-11	2	-99	2	0	0	0	0	-11	0	-11	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	157	0	158	0	0	2	0	2	0	0	0	0	-8	0	-8	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	154	0	155	0	0	2	0	2	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	153	0	154	0	0	2	0	2	0	0	0	0	-3	0	-4	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	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
2100	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
2200	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
2300	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
2400	139	0	136	0	-11	2	-99	2	0	0	0	0	12	0	12	0	21	0	0	0	0	2	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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	53	0	0	2	90	0	0	2	0	0	30	0	56	10	0	2	0	0	11	0	26	5	0	2	0	0	0	0	0	0	0	0	0	0
200	58	0	0	2	111	0	0	2	0	0	52	0	76	19	0	2	0	0	9	0	25	5	0	2	0	0	0	0	0	0	0	0	0	0
300	65	0	0	2	104	0	0	2	0	0	59	0	83	32	0	2	0	0	5	0	5	5	0	2	0	0	0	0	0	0	0	0	0	0
400	73	0	0	2	110	0	0	2	105	0	62	0	91	39	0	2	0	0	5	0	5	5	0	2	0	0	0	0	0	0	0	0	0	0
500	84	0	0	2	152	0	0	2	0	0	83	0	91	65	0	2	0	0	5	0	5	5	0	2	0	0	0	0	0	0	0	0	0	0
600	74	0	0	2	145	0	0	2	0	0	71	0	92	35	0	2	0	0	5	0	5	5	0	2	0	0	0	0	0	0	0	0	0	0
700	63	0	0	2	102	0	0	2	0	0	79	0	103	55	0	2	0	0	25	0	95	5	0	2	0	0	0	0	0	0	0	0	0	0
800	49	0	0	2	59	0	0	2	71	0	78	0	101	34	0	2	0	0	62	0	97	5	0	2	0	0	0	0	0	0	0	0	0	0
900	38	0	0	2	43	0	0	2	0	0	90	0	173	7	0	2	0	0	79	0	174	5	0	2	0	0	0	0	0	0	0	0	0	0
1000	37	0	0	2	45	0	0	2	0	0	301	0	335	250	0	2	0	0	324	0	5	274	0	2	0	0	0	0	0	0	0	0	0	0
1100	63	0	0	2	80	0	0	2	0	0	322	0	0	277	0	2	0	0	332	0	5	274	0	2	0	0	0	0	0	0	0	0	0	0
1200	78	0	0	2	106	0	0	2	89	0	323	0	25	274	0	2	0	0	327	0	5	274	0	2	0	0	0	0	0	0	0	0	0	0
1300	0	2	137	0	0	2	0	0	0	0	0	0	69	34	0	2	0	0	6	0	14	4	0	2	0	0	0	0	0	0	0	0	0	0
1400	58	0	0	2	113	0	0	2	0	0	93	0	103	86	0	2	0	0	4	0	5	4	0	2	0	0	0	0	0	0	0	0	0	0
1500	81	0	0	2	135	0	0	2	0	0	98	0	107	89	0	2	0	0	90	0	95	5	0	2	0	0	0	0	0	0	0	0	0	0
1600	74	0	0	2	125	0	0	2	0	0	104	0	120	91	0	2	0	0	95	0	95	95	0	2	0	0	0	0	0	0	0	0	0	0
1700	89	0	0	2	103	0	0	2	0	2	9	0	344	47	0	2	0	0	56	2	34	77	0	2	0	0	0	2	0	0	0	2	0	0
1800	80	0	0	2	97	0	0	2	0	2	9	0	334	39	0	2	0	0	44	2	19	69	0	2	0	0	0	2	0	0	0	2	0	0
1900	80	0	0	2	93	0	0	2	0	0	20	0	352	45	0	2	0	0	43	2	23	66	0	2	0	0	0	0	0	0	0	0	0	0
2000	74	0	0	2	91	0	0	2	0	2	11	0	355	27	0	2	0	0	45	2	39	55	0	2	0	0	0	2	0	0	0	2	0	0
2100	66	0	0	2	87	0	0	2	0	2	42	0	24	56	0	2	0	0	41	2	32	50	0	2	0	0	0	2	0	0	0	2	0	0
2200	66	0	0	2	95	0	0	2	0	2	38	0	19	55	0	2	0	0	48	2	40	57	0	2	0	0	0	2	0	0	0	2	0	0
2300	72	0	0	2	118	0	0	2	0	2	47	3	37	57	0	2	0	0	59	2	50	73	0	2	0	0	0	2	0	0	0	2	0	0
2400	72	0	0	2	114	0	0	2	0	2	57	0	48	78	0	2	0	0	57	2	47	68	0	2	0	0	0	2	0	0	0	2	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMPA	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	128	0	127	0	0	2	0	2	0	0	0	0	8	0	9	0	14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	118	0	118	0	0	2	0	2	0	0	0	0	16	0	16	0	28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	115	0	115	0	0	2	0	2	0	0	0	0	11	0	11	0	19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	118	0	117	0	0	2	0	2	0	0	0	0	13	0	13	0	23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	116	0	117	0	0	2	0	2	0	0	0	0	20	0	20	0	36	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	117	0	119	0	0	2	0	2	0	0	0	0	14	0	14	0	25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	127	0	128	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	157	0	159	0	0	2	0	2	0	0	0	0	-13	0	-14	0	-23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	180	0	181	0	0	2	0	2	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	167	0	167	0	0	2	0	2	0	0	0	0	1	0	2	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	179	0	181	0	0	2	0	2	0	0	0	0	-17	0	-18	0	-30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	174	0	174	0	0	2	0	2	0	0	0	0	-16	0	-15	0	-28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	135	0	135	0	0	2	0	2	0	0	0	0	32	0	33	0	57	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	143	0	142	0	0	2	0	2	0	0	0	0	23	0	23	0	41	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	141	0	141	0	0	2	0	2	0	0	0	0	25	0	25	0	45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	144	0	144	0	0	2	0	2	0	0	0	0	29	0	29	0	52	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	195	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	-36	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	188	0	0	2	0	2	0	2	0	2	0	2	-16	0	0	2	-28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	179	0	179	0	0	2	0	2	0	0	0	0	-12	0	-7	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	166	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	147	0	0	2	0	2	0	2	0	2	0	2	12	0	0	2	21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	137	0	0	2	0	2	0	2	0	2	0	2	13	0	0	2	23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	135	0	0	2	0	2	0	2	0	2	0	2	21	0	0	2	37	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	145	0	0	2	0	2	0	2	0	2	0	2	23	0	0	2	41	0	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 = CALM DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	72	0	0	2	120	0	0	2	0	2	89	0	83	94	0	2	0	0	59	2	53	66	0	2	0	0	0	2	0	0	0	2	0	0
200	93	0	0	2	137	0	0	2	0	2	99	0	94	107	0	2	0	0	68	2	63	76	0	2	0	0	0	2	0	0	0	2	0	0
300	87	0	0	2	135	0	0	2	0	2	108	0	81	124	0	2	0	0	68	2	59	77	0	2	0	0	0	2	0	0	0	2	0	0
400	87	0	0	2	143	0	0	2	0	0	97	0	85	108	0	2	0	0	76	2	70	83	0	2	0	0	0	0	0	0	0	0	0	0
500	89	0	0	2	148	0	0	2	0	0	92	0	77	110	0	2	0	0	80	2	70	95	0	2	0	0	0	0	0	0	0	0	0	0
600	91	0	0	2	135	0	0	2	0	0	114	0	85	148	0	2	0	0	75	2	67	86	0	2	0	0	0	0	0	0	0	0	0	0
700	89	0	0	2	139	0	0	2	0	0	119	0	85	159	0	2	0	0	74	2	49	100	0	2	0	0	0	0	0	0	0	0	0	0
800	112	0	0	2	150	0	0	2	0	2	119	0	80	153	0	2	0	0	85	2	55	115	0	2	0	0	0	2	0	0	0	2	0	0
900	95	0	0	2	154	0	0	2	0	2	121	0	85	161	0	2	0	0	88	2	50	123	0	2	0	0	0	2	0	0	0	2	0	0
1000	97	0	0	2	137	0	0	2	0	2	125	0	70	176	0	2	0	0	78	2	49	105	0	2	0	0	0	2	0	0	0	2	0	0
1100	125	0	0	2	171	0	0	2	0	2	109	0	78	151	0	2	0	0	92	2	63	121	0	2	0	0	0	2	0	0	0	2	0	0
1200	114	0	0	2	154	0	0	2	0	2	128	0	82	186	0	2	0	0	78	2	51	114	0	2	0	0	0	2	0	0	0	2	0	0
1300	114	0	0	2	143	0	0	2	0	0	111	0	73	171	0	2	0	0	74	2	45	103	0	2	0	0	0	0	0	0	0	0	0	0
1400	110	0	0	2	143	0	0	2	0	0	110	0	78	149	0	2	0	0	78	2	47	105	0	2	0	0	0	0	0	0	0	0	0	0
1500	105	0	0	2	125	0	0	2	0	0	118	0	77	183	0	2	0	0	81	2	36	95	0	2	0	0	0	0	0	0	0	0	0	0
1600	105	0	0	2	135	0	0	2	0	0	127	0	88	166	0	2	0	0	72	2	52	97	0	2	0	0	0	0	0	0	0	0	0	0
1700	80	0	0	2	114	0	0	2	0	2	128	0	90	173	0	2	0	0	59	2	41	80	0	2	0	0	0	2	0	0	0	2	0	0
1800	80	0	0	2	97	0	0	2	0	2	113	0	86	150	0	2	0	0	57	2	30	80	0	2	0	0	0	2	0	0	0	2	0	0
1900	59	0	0	2	78	0	0	2	0	2	110	0	81	143	0	2	0	0	43	2	31	56	0	2	0	0	0	2	0	0	0	2	0	0
2000	70	0	0	2	108	0	0	2	0	2	110	0	74	138	0	2	0	0	52	2	43	68	0	2	0	0	0	2	0	0	0	2	0	0
2100	70	0	0	2	118	0	0	2	0	2	105	0	90	127	0	2	0	0	57	2	44	68	0	2	0	0	0	2	0	0	0	2	0	0
2200	70	0	0	2	110	0	0	2	0	2	108	0	90	124	0	2	0	0	52	2	44	60	0	2	0	0	0	2	0	0	0	2	0	0
2300	59	0	0	2	133	0	0	2	0	2	90	0	76	98	0	2	0	0	48	2	39	76	0	2	0	0	0	2	0	0	0	2	0	0
2400	80	0	0	2	129	0	0	2	0	2	103	0	88	113	0	2	0	0	67	2	59	77	0	2	0	0	0	2	0	0	0	2	0	0

HOUR	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	147	0	0	2	0	2	0	2	0	2	0	2	20	0	0	2	38	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	145	0	0	2	0	2	0	2	0	2	0	2	23	0	0	2	41	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	147	0	0	2	0	2	0	2	0	2	0	2	28	0	0	2	50	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	130	0	139	0	-11	2	-99	2	0	0	0	0	24	0	25	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	120	0	121	0	0	2	0	2	0	0	0	0	24	0	27	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	120	0	130	0	0	2	0	2	0	0	0	0	10	0	11	0	18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	139	0	146	0	0	2	0	2	0	0	0	0	-5	0	-3	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	165	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	188	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	-21	0	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	-14	0	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	211	0	0	2	0	2	0	2	0	2	0	2	-18	0	0	2	-32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	224	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	234	0	186	0	-11	2	-99	2	0	0	0	0	-18	0	-9	0	-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	245	0	208	0	0	2	0	2	0	0	0	0	-20	0	-10	0	-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	236	0	233	0	0	2	0	2	0	0	0	0	-14	0	-17	0	-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	238	0	252	0	0	2	0	2	0	0	0	0	-12	0	-23	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	224	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	224	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	220	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	215	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	200	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	192	0	0	2	0	2	0	2	0	2	0	2	12	0	0	2	21	0	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	15	0	0	2	28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	179	0	0	2	0	2	0	2	0	2	0	2	13	0	0	2	23	0	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 = RELAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	80	0	0	2	137	0	0	2	0	2	107	0	97	121	0	2	0	0	76	2	65	89	0	2	0	0	0	2	0	0	0	2	0	0
200	78	0	0	2	112	0	0	2	0	2	109	0	97	118	0	2	0	0	59	2	49	74	0	2	0	0	0	2	0	0	0	2	0	0
300	78	0	0	2	125	0	0	2	0	2	94	0	85	108	0	2	0	0	66	2	58	75	0	2	0	0	0	2	0	0	0	2	0	0
400	74	0	0	2	125	0	0	2	0	2	99	0	89	113	0	2	0	0	70	2	59	83	0	2	0	0	0	2	0	0	0	2	0	0
500	79	0	0	2	97	0	0	2	0	2	106	0	85	117	0	2	0	0	58	2	48	68	0	2	0	0	0	2	0	0	0	2	0	0
600	89	0	0	2	93	0	0	2	0	2	102	0	93	118	0	2	0	0	49	2	36	63	0	2	0	0	0	2	0	0	0	2	0	0
700	93	0	0	2	101	0	0	2	0	2	94	0	80	110	0	2	0	0	51	2	42	67	0	2	0	0	0	2	0	0	0	2	0	0
800	93	0	0	2	91	0	0	2	0	2	94	0	70	109	0	2	0	0	48	2	26	69	0	2	0	0	0	2	0	0	0	2	0	0
900	93	0	0	2	91	0	0	2	0	2	103	0	82	128	0	2	0	0	49	2	32	75	0	2	0	0	0	2	0	0	0	2	0	0
1000	78	0	0	2	61	0	0	2	0	2	108	0	74	186	0	2	0	0	33	2	17	52	0	2	0	0	0	2	0	0	0	2	0	0
1100	78	0	0	2	78	0	0	2	0	2	126	0	85	177	0	2	0	0	43	2	33	61	0	2	0	0	0	2	0	0	0	2	0	0
1200	74	0	0	2	61	0	0	2	0	2	102	0	60	157	0	2	0	0	34	2	14	55	0	2	0	0	0	2	0	0	0	2	0	0
1300	93	0	177	0	61	0	0	0	0	0	319	2	275	348	0	2	0	0	39	2	23	53	0	2	0	0	0	0	0	0	0	0	0	0
1400	72	0	0	2	55	0	0	2	0	0	317	0	285	358	0	2	0	0	23	2	11	39	0	2	0	0	0	0	0	0	0	0	0	0
1500	72	0	0	2	47	0	0	2	0	0	330	2	271	58	0	2	0	0	22	2	11	32	0	2	0	0	0	0	0	0	0	0	0	0
1600	78	0	0	2	61	0	0	0	0	0	323	0	288	14	0	2	0	0	34	2	27	39	0	2	0	0	0	0	0	0	0	0	0	0
1700	59	0	0	2	68	0	0	2	88	0	14	0	334	58	0	2	0	0	38	2	27	47	0	2	0	0	0	0	0	0	0	0	0	0
1800	53	0	0	2	106	0	0	2	0	0	352	0	334	27	0	2	0	0	57	2	51	66	0	2	0	0	0	0	0	0	0	0	0	0
1900	34	0	0	2	108	0	0	2	0	0	38	0	7	65	0	2	0	0	60	2	56	67	0	2	0	0	0	0	0	0	0	0	0	0
2000	49	0	0	2	131	0	0	2	0	0	55	0	45	86	0	2	0	0	78	2	68	90	0	2	0	0	0	0	0	0	0	0	0	0
2100	55	0	0	2	158	0	0	2	0	0	82	0	49	80	0	2	0	0	92	2	85	102	0	2	0	0	0	0	0	0	0	0	0	0
2200	63	0	0	2	137	0	0	2	0	2	72	0	49	90	0	2	0	0	88	2	58	77	0	2	0	0	0	2	0	0	0	2	0	0
2300	55	0	0	2	205	0	0	2	0	2	87	0	72	97	0	2	0	0	103	2	95	115	0	2	0	0	0	2	0	0	0	2	0	0
2400	55	0	0	2	158	0	0	2	0	2	147	0	93	184	0	2	0	0	84	2	77	90	0	2	0	0	0	2	0	0	0	2	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP8	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	179	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	173	0	0	2	0	2	0	2	0	2	0	2	9	0	0	2	18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	168	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	158	0	0	2	0	2	0	2	0	2	0	2	5	0	0	2	9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	156	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	154	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	162	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	185	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	211	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	237	0	0	2	0	2	0	2	0	2	0	2	-20	0	0	2	-36	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	253	0	0	2	0	2	0	2	0	2	0	2	-25	0	0	2	-45	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	254	0	0	2	0	2	0	2	0	2	0	2	-23	0	0	2	-41	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	254	0	248	0	0	2	0	0	0	0	0	0	-30	0	-30	2	-54	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	254	0	169	2	0	2	0	0	0	0	0	0	-22	0	-6	2	-39	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	251	0	174	2	0	2	0	0	0	0	0	0	-23	0	-6	2	-43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	243	0	175	2	0	2	0	0	0	0	0	0	-16	0	-6	2	-28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	254	0	215	2	0	2	0	0	0	1	-22	0	-10	2	-39	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	253	0	241	0	-11	2	-09	2	0	0	0	0	-11	0	-18	2	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	251	0	248	0	0	2	0	2	0	0	0	0	-10	0	-14	2	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	226	0	258	0	0	2	0	2	0	0	0	0	9	0	-15	2	16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	220	0	251	0	0	2	0	2	0	0	0	0	16	0	-10	2	28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	220	0	0	2	0	2	0	2	0	2	0	2	16	0	0	2	28	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	215	0	0	2	0	2	0	2	0	2	0	2	18	0	0	2	32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	207	0	0	2	0	2	0	2	0	2	0	2	28	0	0	2	50	0	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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	WIND DIR1 MAX	MIN	WIND DIR2 50 B	S	WIND DIR3 150A	S	WIND DIR3 MAX	MIN	WIND DIR4 150B	S	WIND DIR5	S	WIND DIR5 MAX	MIN	WIND DIR6	$	WIND DIR6 MAX	MIN
100	78	0	0	2	152	0	0	2	0	2	130	0	98	171	0	2	0	0	77	2	73	86	0	2	0	0	0	2	0	0	0	2	0	0
200	59	0	0	2	108	0	0	2	0	2	135	0	85	164	0	2	0	0	56	2	39	73	0	2	0	0	0	2	0	0	0	2	0	0
300	85	0	0	2	63	0	0	2	0	2	125	0	74	172	0	2	0	0	33	2	20	45	0	2	0	0	0	2	0	0	0	2	0	0
400	63	0	0	2	30	0	0	2	0	2	0	2	0	0	0	2	0	0	10	2	2	27	0	2	0	0	0	2	0	0	0	2	0	0
500	76	0	0	2	57	0	0	2	0	2	0	2	0	0	0	2	0	0	27	2	18	39	0	2	0	0	0	2	0	0	0	2	0	0
600	61	0	0	2	57	0	0	2	0	2	135	0	84	168	0	2	0	0	31	2	20	42	0	2	0	0	0	2	0	0	0	2	0	0
700	55	0	0	2	72	0	0	2	0	2	142	0	92	175	0	2	0	0	36	2	26	47	0	2	0	0	0	2	0	0	0	2	0	0
800	49	0	0	2	72	0	0	2	0	2	156	0	91	234	0	2	0	0	33	2	19	50	0	2	0	0	0	2	0	0	0	2	0	0
900	36	0	0	2	89	0	0	2	0	2	181	0	106	291	0	2	0	0	45	2	31	60	0	2	0	0	0	2	0	0	0	2	0	0
1000	59	0	0	2	125	0	0	2	0	2	235	0	202	266	0	2	0	0	60	2	33	85	0	2	0	0	0	2	0	0	0	2	0	0
1100	70	0	0	2	101	0	0	2	0	2	235	0	208	269	0	2	0	0	53	2	30	81	0	2	0	0	0	2	0	0	0	2	0	0
1200	79	0	0	2	80	0	0	2	0	2	231	0	215	259	0	2	0	0	39	2	26	59	0	2	0	0	0	2	0	0	0	2	0	0
1300	47	0	0	2	76	0	0	2	0	2	189	0	152	234	0	2	0	0	35	2	26	42	0	2	0	0	0	2	0	0	0	2	0	0
1400	42	0	0	2	91	0	0	2	0	2	141	0	95	192	0	2	0	0	42	2	28	56	0	2	0	0	0	2	0	0	0	2	0	0
1500	59	0	0	2	108	0	0	2	0	2	185	0	141	233	0	2	0	0	49	2	16	83	0	2	0	0	0	2	0	0	0	2	0	0
1600	80	0	0	2	82	0	0	2	0	2	185	0	118	252	0	2	0	0	42	2	33	51	0	2	0	0	0	2	0	0	0	2	0	0
1700	89	0	0	2	143	0	0	2	0	2	201	0	159	250	0	2	0	0	67	2	52	89	0	2	0	0	0	2	0	0	0	2	0	0
1800	68	0	0	2	118	0	0	2	0	2	196	0	160	246	0	2	0	0	59	2	49	72	0	2	0	0	0	2	0	0	0	2	0	0
1900	47	0	0	2	103	0	0	2	0	2	151	0	116	193	0	2	0	0	57	2	43	69	0	2	0	0	0	2	0	0	0	2	0	0
2000	51	0	0	2	78	0	0	2	0	2	149	0	116	185	0	2	0	0	42	2	33	52	0	2	0	0	0	2	0	0	0	2	0	0
2100	40	0	0	2	103	0	0	2	0	2	169	0	73	172	0	2	0	0	49	2	31	70	0	2	0	0	0	2	0	0	0	2	0	0
2200	66	0	0	2	91	0	0	2	0	2	50	0	17	77	0	2	0	0	47	2	35	58	0	2	0	0	0	2	0	0	0	2	0	0
2300	59	0	0	2	91	0	0	2	0	2	57	0	23	92	0	2	0	0	48	2	36	59	0	2	0	0	0	2	0	0	0	2	0	0
2400	106	0	0	2	91	0	0	2	0	2	100	0	74	124	0	2	0	0	48	2	40	57	0	2	0	0	0	2	0	0	0	2	0	0

HOUR	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	31	0	0	2	55	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	194	0	0	2	0	2	0	2	0	2	0	2	27	0	0	2	48	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	190	0	0	2	0	2	0	2	0	2	0	2	31	0	0	2	55	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	192	0	0	2	0	2	0	2	0	2	0	2	13	0	0	2	23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	181	0	0	2	0	2	0	2	0	2	0	2	24	0	0	2	43	0	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	25	0	0	2	45	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	188	0	0	2	0	2	0	2	0	2	0	2	10	0	0	2	18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	211	0	0	2	0	2	0	2	0	2	0	2	-15	0	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	247	0	0	2	0	2	0	2	0	2	0	2	-19	0	0	2	-34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	264	0	0	2	0	2	0	2	0	2	0	2	-17	0	0	2	-30	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	269	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	275	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	264	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	264	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	260	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	268	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	264	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	-14	0	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	-9	0	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	254	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	243	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	232	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	226	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	-1	0	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	-5	0	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	215	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	-7	0	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 = HEAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	73	0	0	2	99	0	0	2	0	0	94	0	101	87	0	2	0	0	92	0	95	87	253	5	254	252	0	0	0	0	0	0	0	0
200	70	0	0	2	95	0	0	2	0	0	104	0	111	83	0	2	0	0	104	0	107	101	255	5	256	254	0	0	0	0	0	0	0	0
300	40	0	0	2	73	0	0	2	0	0	177	0	261	90	0	2	0	0	176	0	240	128	145	0	171	111	0	0	0	0	0	0	0	0
400	59	0	0	2	128	0	0	2	0	0	116	0	137	91	0	2	0	0	148	0	149	143	263	5	265	261	0	0	0	0	0	0	0	0
500	55	0	0	2	145	0	0	2	0	0	112	0	158	77	0	2	0	0	149	0	156	146	253	5	254	251	0	0	0	0	0	0	0	0
600	42	0	0	2	98	0	0	2	0	0	107	0	137	77	0	2	0	0	162	0	175	149	135	5	142	124	0	0	0	0	0	0	0	0
700	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	0	0
800	34	0	0	2	51	0	0	2	0	0	97	0	141	47	0	2	0	0	164	0	177	138	139	0	148	126	0	0	0	0	0	0	0	0
900	32	0	0	2	45	0	0	2	0	0	85	0	139	18	0	2	0	0	143	0	193	105	127	0	154	111	0	0	0	0	0	0	0	0
1000	44	0	0	2	67	0	0	2	0	0	184	0	269	97	0	2	0	0	192	0	233	153	155	0	174	137	0	0	0	0	0	0	0	0
1100	50	0	0	2	82	0	0	2	0	0	183	0	269	95	0	2	0	0	170	0	232	98	142	0	168	99	0	0	0	0	0	0	0	0
1200	44	0	0	2	49	0	0	2	0	0	259	0	336	186	0	2	0	0	274	0	333	195	191	0	215	154	0	0	0	0	0	0	0	0
1300	48	0	0	2	67	0	0	2	0	0	283	0	338	205	0	2	0	0	304	0	336	272	202	0	212	180	0	0	0	0	0	0	0	0
1400	56	0	0	2	77	0	0	2	0	0	298	0	356	197	0	2	0	0	327	0	352	280	210	5	222	194	0	0	0	0	0	0	0	0
1500	52	0	0	2	78	0	0	2	0	0	332	0	132	276	0	2	0	0	354	0	67	303	218	0	230	198	0	0	0	0	0	0	0	0
1600	36	0	0	2	49	0	0	2	0	0	300	0	359	190	0	2	0	0	338	0	25	285	211	5	224	187	0	0	0	0	0	0	0	0
1700	39	0	0	2	60	0	0	2	0	0	5	0	141	273	0	2	0	0	7	0	56	327	222	0	234	196	0	0	0	0	0	0	0	0
1800	21	0	0	2	23	0	0	2	0	0	9	3	93	292	0	2	0	0	22	3	62	337	230	5	233	216	0	0	0	0	0	0	0	0
1900	41	0	0	2	60	0	0	2	0	0	8	0	70	300	0	2	0	0	15	0	47	330	225	5	233	214	0	0	0	0	0	0	0	0
2000	41	0	0	2	55	0	0	2	0	0	55	0	63	45	0	2	0	0	68	0	77	56	236	5	239	232	0	0	0	0	0	0	0	0
2100	56	0	0	2	86	0	0	2	0	0	71	0	91	62	0	2	0	0	82	0	84	78	253	5	254	252	0	0	0	0	0	0	0	0
2200	63	0	0	2	96	0	0	2	0	0	89	0	100	74	0	2	0	0	101	0	107	95	256	5	259	255	0	0	0	0	0	0	0	0
2300	49	0	0	2	101	0	0	2	0	0	118	0	137	103	0	2	0	0	157	0	166	145	144	5	149	137	0	0	0	0	0	0	0	0
2400	48	0	0	2	110	0	0	2	0	0	119	0	155	91	0	2	0	0	165	0	169	158	148	5	151	144	0	0	0	0	0	0	0	0

HOUR	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	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN	S
100	145	0	145	0	0	2	0	2	0	0	0	0	25	25	45	0	0	0	0	0	0	0	0	0	0
200	147	0	147	0	0	2	0	2	0	0	0	0	24	24	43	0	0	0	0	0	0	0	0	0	0
300	234	0	235	0	0	2	0	2	0	0	0	0	-21	-21	-37	0	0	0	0	0	0	0	0	0	0
400	131	0	132	0	0	2	0	2	0	0	0	0	33	33	59	0	0	0	0	0	0	0	0	0	0
500	120	0	121	0	0	2	0	2	0	0	0	0	40	40	72	0	0	0	0	0	0	0	0	0	0
600	150	0	152	0	0	2	0	2	0	0	0	0	20	19	36	0	0	0	0	0	0	0	0	0	0
700	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2
800	180	0	182	0	0	2	0	2	0	0	0	0	-8	-7	-10	0	0	0	0	0	0	0	0	0	0
900	212	0	214	0	0	2	0	2	0	0	0	0	-20	-20	-36	0	0	0	0	0	0	0	0	0	0
1000	217	0	217	0	0	2	0	2	0	0	0	0	-13	-12	-23	0	0	0	0	0	0	0	0	0	0
1100	230	0	232	0	0	2	0	2	0	0	0	0	-20	-21	-36	0	0	0	0	0	0	0	0	0	0
1200	226	0	227	0	0	2	0	2	0	0	0	0	-15	-15	-28	0	0	0	0	0	0	0	0	0	0
1300	224	0	228	0	0	2	0	2	0	0	0	0	-24	-24	-43	0	0	0	0	0	0	0	0	0	0
1400	221	0	223	0	0	2	0	2	0	0	0	0	-20	-20	-36	0	0	0	0	0	0	0	0	0	0
1500	225	0	228	0	0	2	0	2	0	0	0	0	-22	-23	-39	0	0	0	0	0	0	0	0	0	0
1600	231	0	233	0	0	2	0	2	0	0	0	0	-18	-19	-32	0	0	0	0	0	0	0	0	0	0
1700	229	0	231	0	0	2	0	2	0	0	0	0	-18	-19	-32	0	0	0	0	0	0	0	0	0	0
1800	239	0	241	0	0	2	0	2	0	0	0	0	-13	-14	-23	0	0	0	0	0	0	0	0	0	0
1900	220	0	220	0	0	2	0	2	0	0	0	0	-8	-7	-14	0	0	0	0	0	0	0	0	0	0
2000	188	0	187	0	0	2	0	2	0	0	0	0	24	24	43	0	0	0	0	0	0	0	0	0	0
2100	188	0	190	0	0	2	0	2	0	0	0	0	19	18	34	0	0	0	0	0	0	0	0	0	0
2200	182	0	182	0	0	2	0	2	0	0	0	0	26	26	46	0	0	0	0	0	0	0	0	0	0
2300	175	0	176	0	0	2	0	2	0	0	0	0	32	31	57	0	0	0	0	0	0	0	0	0	0
2400	167	0	168	0	0	2	0	2	0	0	0	0	45	45	81	0	0	0	0	0	0	0	0	0	0

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

HOUR	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND DIR1 50 A S	MAX	MIN	WIND DIR2 50 B S	MAX	MIN	WIND DIR3 150A S	MAX	MIN	WIND DIR4 150B S	MAX	MIN	WIND DIR5 S	MAX	MIN	WIND DIR6 S	MAX	MIN
100	51 0	53 0	74 0	74 0	0 0	113 3	122	98	124 0	133	108	90 0	103	74	97 0	114	82	0 0	0	0	0 0	0	0
200	54 0	57 0	89 0	92 0	0 0	98 0	109	75	107 0	126	92	77 0	89	65	83 0	98	75	0 0	0	0	0 0	0	0
300	57 0	62 0	79 0	80 0	0 0	122 3	139	111	131 0	148	120	91 0	106	76	98 0	116	82	0 0	0	0	0 0	0	0
400	64 0	69 0	86 0	90 0	0 0	139 0	188	110	150 0	172	116	116 0	123	103	124 0	132	109	0 0	0	0	0 0	0	0
500	54 2	57 2	89 2	92 2	0 0	98 2	109	75	107 2	126	92	77 2	89	65	83 2	98	75	0 0	0	0	0 0	0	0
600	62 0	68 0	94 0	98 0	0 0	138 0	158	103	148 0	171	127	127 0	134	121	137 0	147	130	0 0	0	0	0 0	0	0
700	54 0	63 0	75 0	78 0	0 0	137 3	165	108	148 0	188	120	133 0	144	125	143 0	151	131	0 0	0	0	0 0	0	0
800	27 0	35 0	78 0	83 0	0 0	130 0	201	92	141 0	233	98	151 0	181	138	160 0	179	148	0 0	0	0	0 0	0	0
900	18 0	22 0	37 0	40 0	0 0	106 3	174	17	154 3	254	90	163 0	226	92	168 0	245	90	0 0	0	0	0 0	0	0
1000	27 0	30 0	35 0	37 0	0 0	101 3	161	30	107 3	154	11	124 0	178	82	135 0	186	98	0 0	0	0	0 0	0	0
1100	17 0	21 0	23 0	24 0	0 0	9 3	165	273	21 3	139	273	0 3	169	271	351 3	158	271	0 0	0	0	0 0	0	0
1200	35 0	42 0	52 0	57 0	0 0	292 0	347	201	292 0	338	188	314 0	343	287	314 0	352	278	0 0	0	0	0 0	0	0
1300	47 0	54 0	85 0	87 0	0 0	304 0	354	190	308 0	357	227	320 0	10	271	320 0	357	249	0 0	0	0	0 0	0	0
1400	48 0	54 0	84 0	87 0	0 0	337 0	141	273	337 0	28	286	335 0	25	290	336 0	27	277	0 0	0	0	0 0	0	0
1500	38 0	43 0	57 0	62 0	0 0	326 0	90	270	328 0	59	271	329 0	19	295	330 0	28	280	0 0	0	0	0 0	0	0
1600	42 0	47 0	54 0	55 0	0 0	10 0	75	282	17 0	113	296	15 0	57	325	14 0	55	321	0 0	0	0	0 0	0	0
1700	41 0	48 0	56 0	57 0	0 0	33 0	160	325	35 0	139	344	19 0	86	305	22 0	109	323	0 0	0	0	0 0	0	0
1800	36 0	44 0	61 0	70 0	0 0	48 3	76	17	55 0	81	29	45 0	56	38	50 0	62	41	0 0	0	0	0 0	0	0
1900	46 0	51 0	72 0	78 0	0 0	77 0	106	66	83 0	119	69	72 0	77	66	78 0	89	73	0 0	0	0	0 0	0	0
2000	64 0	71 0	105 0	102 0	0 0	97 0	114	85	105 0	126	90	87 0	92	86	94 0	97	92	0 0	0	0	0 0	0	0
2100	77 0	77 0	118 0	120 0	0 0	111 0	121	102	122 0	141	102	105 0	110	103	114 0	117	110	0 0	0	0	0 0	0	0
2200	57 0	59 0	105 0	108 0	0 0	109 0	120	98	110 0	137	102	113 0	121	108	122 0	129	113	0 0	0	0	0 0	0	0
2300	68 0	71 0	123 0	126 0	0 0	117 0	134	103	128 0	146	117	125 0	131	122	135 0	142	131	0 0	0	0	0 0	0	0
2400	67 0	80 0	143 0	149 0	0 0	124 0	153	98	134 0	158	117	138 0	143	132	148 0	152	142	0 0	0	0	0 0	0	0

HOUR	AMB. TEM1 30 A S	AMB. TEM2 30 B S	AMB. TEM3 180A S	AMB. TEM4 180B S	AMB. TEM5 S	AMB. TEMPE 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	42 0	42 0	47 0	47 0	0 0	0 0	5 0	5 0	9 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
200	40 0	40 0	52 0	52 0	0 0	0 0	12 0	12 0	21 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 2
300	39 0	39 0	51 0	51 0	0 0	0 0	13 0	12 0	23 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
400	25 0	26 0	43 0	43 0	0 0	0 0	17 0	18 0	36 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
500	24 2	23 2	40 2	40 2	0 0	0 0	17 2	17 2	36 2	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
600	22 0	21 0	39 0	39 0	0 0	0 0	17 0	18 0	36 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 2
700	21 0	21 0	38 0	38 0	0 0	0 0	18 0	17 0	35 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
800	35 0	36 0	42 0	41 0	0 0	0 0	6 0	6 0	10 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
900	65 0	66 0	58 0	58 0	0 0	0 0	-7 0	-8 0	-12 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1000	89 0	89 0	76 0	77 0	0 0	0 0	-13 0	-12 0	-23 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 2
1100	111 0	112 0	99 0	100 0	0 0	0 0	-11 0	-11 0	-19 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1200	110 0	112 0	90 0	90 0	0 0	0 0	-20 0	-21 0	-38 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1300	115 0	115 0	94 0	94 0	0 0	0 0	-21 0	-21 0	-37 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1400	117 0	117 0	97 0	98 0	0 0	0 0	-20 0	-20 0	-36 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 2
1500	123 0	124 0	101 0	102 0	0 0	0 0	-22 0	-22 0	-39 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1600	118 0	117 0	106 0	106 0	0 0	0 0	-12 0	-11 0	-21 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1700	110 0	108 0	101 0	100 0	0 0	0 0	-3 0	-2 0	-16 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1800	91 0	90 0	96 0	95 0	0 0	0 0	5 0	6 0	9 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1900	80 0	80 0	93 0	93 0	0 0	0 0	14 0	14 0	25 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2000	80 0	80 0	90 0	90 0	0 0	0 0	11 0	10 0	19 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2100	72 0	72 0	91 0	91 0	0 0	0 0	19 0	19 0	34 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2200	67 0	67 0	81 0	81 0	0 0	0 0	14 0	14 0	25 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2300	63 0	63 0	79 0	79 0	0 0	0 0	16 0	15 0	28 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2400	67 0	67 0	81 0	81 0	0 0	0 0	15 0	14 0	27 0	0 0	0 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 = CALM DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	73	0	86	0	151	0	156	0	0	0	124	0	159	98	135	0	156	111	142	0	149	134	151	0	158	145	0	0	0	0	0	0	0	0
200	87	0	89	0	131	0	143	0	0	0	116	0	142	93	128	0	148	92	133	0	142	122	143	0	153	131	0	0	0	0	0	0	0	0
300	78	0	0	2	139	0	0	2	0	2	127	0	100	160	0	2	0	0	149	0	129	160	0	2	0	0	0	2	0	0	0	2	0	0
400	42	0	0	2	87	0	0	2	0	2	148	0	95	200	0	2	0	0	167	0	143	205	0	2	0	0	0	2	0	0	0	2	0	0
500	61	0	0	2	101	0	0	2	0	2	135	0	91	192	0	2	0	0	166	0	126	208	0	2	0	0	0	2	0	0	0	2	0	0
600	70	0	0	2	114	0	0	2	0	2	149	0	95	194	0	2	0	0	167	0	139	201	0	2	0	0	0	2	0	0	0	2	0	0
700	30	0	0	2	53	0	0	2	0	2	177	0	110	243	0	2	0	0	191	0	155	223	0	2	0	0	0	2	0	0	0	2	0	0
800	55	0	0	2	122	0	0	2	0	2	157	0	98	201	0	2	0	0	169	0	134	206	0	2	0	0	0	2	0	0	0	2	0	0
900	72	0	0	2	143	0	0	2	0	2	141	0	91	188	0	2	0	0	181	0	142	205	0	2	0	0	0	2	0	0	0	2	0	0
1000	89	0	0	2	162	0	0	2	0	2	156	0	94	218	0	2	0	0	176	0	152	208	0	2	0	0	0	2	0	0	0	2	0	0
1100	89	0	0	2	148	0	0	2	0	2	164	0	105	217	0	2	0	0	188	0	150	219	0	2	0	0	0	2	0	0	0	2	0	0
1200	78	0	0	2	146	0	0	2	0	2	159	0	106	224	0	2	0	0	176	0	147	214	0	2	0	0	0	2	0	0	0	2	0	0
1300	95	0	0	2	160	0	0	2	0	2	190	0	119	268	0	2	0	0	188	0	152	225	0	2	0	0	0	2	0	0	0	2	0	0
1400	78	0	0	2	135	0	0	2	0	2	201	0	123	272	0	2	0	0	193	0	159	229	0	2	0	0	0	2	0	0	0	2	0	0
1500	61	0	0	2	135	0	0	2	0	2	197	0	127	257	0	2	0	0	185	0	146	234	0	2	0	0	0	2	0	0	0	2	0	0
1600	57	0	0	2	93	0	0	2	0	2	194	0	148	242	0	2	0	0	190	0	168	240	0	2	0	0	0	2	0	0	0	2	0	0
1700	51	0	0	2	78	0	0	2	0	2	206	0	172	258	0	2	0	0	203	0	177	239	0	2	0	0	0	2	0	0	0	2	0	0
1800	38	0	0	2	51	0	0	2	0	2	203	0	160	234	0	2	0	0	198	0	173	223	0	2	0	0	0	2	0	0	0	2	0	0
1900	39	0	0	2	55	0	0	2	0	2	181	0	128	203	0	2	0	0	188	0	176	196	0	2	0	0	0	2	0	0	0	2	0	0
2000	47	0	0	2	78	0	0	2	0	2	184	0	147	236	0	2	0	0	190	0	166	224	0	2	0	0	0	2	0	0	0	2	0	0
2100	70	0	0	2	106	0	0	2	0	2	202	0	144	251	0	2	0	0	201	0	176	229	0	2	0	0	0	2	0	0	0	2	0	0
2200	78	0	0	2	116	0	0	2	0	2	202	0	160	255	0	2	0	0	206	0	174	236	0	2	0	0	0	2	0	0	0	2	0	0
2300	78	0	0	2	116	0	0	2	0	2	205	0	153	244	0	2	0	0	217	0	191	246	0	2	0	0	0	2	0	0	0	2	0	0
2400	87	0	0	2	152	0	0	2	0	2	234	0	190	279	0	2	0	0	233	0	213	263	0	2	0	0	0	2	0	0	0	2	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMPA	S	D.T. 1	150A	S	D.T. 2	150B	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	72	0	72	0	82	0	82	0	0	0	0	0	10	0	10	0	18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	74	0	75	0	78	0	76	0	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	75	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	63	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	83	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	90	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	90	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	88	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	96	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	109	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	124	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	-12	0	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	-9	0	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	134	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	158	0	0	2	0	2	0	2	0	2	0	2	-11	0	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	162	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	168	0	0	2	0	2	0	2	0	2	0	2	-12	0	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	171	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1800	171	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	169	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	169	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	169	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	177	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	168	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	160	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	-1	0	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

DIGITAL GRAPHICS INCORPORATED - AF COOP METEOROLOGICAL DATA FOR OCTOBER 5, 1983 PAGE 97

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 1504	S	WIND SPD4 1508	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 1504	S	MAX	MIN	WIND DIR4 1508	S	MAX	MIN	WIND DIR5	S	MAX	MIN
100	87	0	0	2	125	0	0	2	0	2	242	0	217	279	0	2	0	0	259	0	239	281	0	2	0	0	0	2	0	0
200	57	0	0	2	91	0	0	2	0	2	266	0	231	304	0	2	0	0	284	0	254	315	0	2	0	0	0	2	0	0
300	68	0	0	2	61	0	0	2	0	2	279	0	254	316	0	2	0	0	308	0	301	316	0	2	0	0	0	2	0	0
400	53	0	0	2	59	0	0	2	0	2	298	0	285	323	0	2	0	0	308	0	298	318	0	2	0	0	0	2	0	0
500	85	0	0	2	85	0	0	2	0	2	299	0	276	331	0	2	0	0	333	0	305	358	0	2	0	0	0	2	0	0
600	61	0	0	2	59	0	0	2	0	2	355	0	311	45	0	2	0	0	29	0	20	46	0	2	0	0	0	2	0	0
700	42	0	0	2	42	0	0	2	0	2	25	0	15	46	0	2	0	0	20	0	11	32	0	2	0	0	0	2	0	0
800	28	0	0	2	21	0	0	2	0	2	46	0	9	78	0	2	0	0	16	0	356	33	0	2	0	0	0	2	0	0
900	21	0	0	2	13	0	0	2	0	2	8	0	298	74	0	2	0	0	344	0	307	24	0	2	0	0	0	2	0	0
1000	30	0	0	2	21	0	0	2	0	2	335	0	279	34	0	2	0	0	343	0	307	30	0	2	0	0	0	2	0	0
1100	30	0	0	2	15	0	0	2	0	2	342	0	285	82	0	2	0	0	350	0	298	48	0	2	0	0	0	2	0	0
1200	36	0	44	0	28	0	52	0	0	0	27	0	340	83	27	0	81	328	22	0	332	62	33	0	71	313	0	0	0	0
1300	61	0	46	0	28	0	50	0	0	0	327	0	252	54	341	0	25	342	4	0	304	81	352	0	20	327	0	0	0	0
1400	42	0	0	2	32	0	0	2	0	0	3	0	290	70	0	2	0	0	3	0	322	41	0	2	0	0	0	0	0	0
1500	55	0	52	0	43	0	67	0	0	0	36	0	358	71	62	0	114	24	359	0	330	39	68	0	101	30	0	0	0	0
1600	81	0	42	0	53	0	81	0	0	0	88	0	24	116	97	0	135	41	66	0	46	97	108	0	137	79	0	0	0	0
1700	74	0	97	0	55	0	140	0	0	0	80	0	61	107	103	0	138	71	91	0	66	114	110	0	136	72	0	0	0	0
1800	110	0	91	0	120	0	198	0	0	0	90	0	75	115	126	0	159	102	85	0	67	107	132	0	158	114	0	0	0	0
1900	74	0	78	0	78	0	174	0	0	0	95	0	70	131	145	0	203	103	128	0	119	145	150	0	175	144	0	0	0	0
2000	93	0	74	0	141	0	173	0	0	0	117	0	92	150	137	0	174	73	152	0	133	164	165	0	184	151	0	0	0	0
2100	91	0	88	0	152	0	186	0	0	0	144	0	97	188	147	0	201	90	156	0	142	180	168	0	188	148	0	0	0	0
2200	89	0	0	2	177	0	0	2	0	2	131	0	98	189	0	2	0	0	157	0	136	181	0	2	0	0	0	2	0	0
2300	66	0	0	2	165	0	0	2	0	2	142	0	83	222	0	2	0	0	150	0	141	188	0	2	0	0	0	2	0	0
2400	51	0	0	2	108	0	0	2	0	2	290	0	231	359	0	2	0	0	181	0	155	210	0	2	0	0	0	2	0	0

HOUR	AMB. TEM1 50 A	S	AMB. TEM2 50 B	S	AMB. TEM3 1504	S	AMB. TEM4 1508	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1	S	D.T. 2	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	100	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	3	0	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	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	147	0	0	2	0	2	0	2	0	2	0	2	1	0	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	147	0	0	2	0	2	0	2	0	2	0	2	-1	0	0	2	-1	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	141	0	0	2	0	2	0	2	0	2	0	2	-2	0	0	2	-3	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	134	0	0	2	0	2	0	2	0	2	0	2	3	0	0	2	5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	141	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	141	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	145	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	147	0	0	2	0	2	0	2	0	2	0	2	-9	0	0	2	-16	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	154	0	0	2	0	2	0	2	0	2	0	2	-14	0	0	2	-25	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	175	0	169	0	152	0	191	0	0	0	0	0	-18	0	-18	0	-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	175	0	163	0	149	0	149	0	0	0	0	0	-19	0	-14	0	-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	168	0	160	2	150	2	149	2	0	0	0	0	-14	0	-10	2	-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	169	0	162	0	150	0	150	0	0	0	0	0	-16	0	-12	0	-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600	169	0	170	0	161	0	161	0	0	0	0	0	-10	0	-7	0	-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	171	0	173	0	164	0	164	0	0	0	0	0	-4	0	-7	0	-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	169	0	167	0	164	0	163	0	0	0	0	0	-4	0	-2	0	-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	169	0	164	0	165	0	165	0	0	0	0	0	2	0	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000	169	0	163	0	165	0	165	0	0	0	0	0	1	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	181	0	178	0	178	0	177	0	0	0	0	0	-2	0	1	0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	181	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	185	0	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	184	0	0	2	0	2	0	2	0	2	0	2	2	0	0	2	1	0	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 = CALM DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	57	0	0	2	57	0	0	2	0	2	134	0	97	172	0	2	0	0	307	0	265	351	0	2	0	0	0	2	0	0	0	2	0	0
200	85	0	77	0	194	0	187	0	0	0	197	0	259	119	210	0	260	120	201	0	238	152	207	0	238	162	0	0	0	0	0	0	0	0
300	128	0	128	0	214	0	225	0	0	0	234	0	279	193	244	0	285	197	235	0	264	195	240	0	262	218	0	0	0	0	0	0	0	0
400	174	0	185	0	293	0	305	0	0	0	243	0	289	199	249	0	286	199	250	0	275	244	254	0	280	240	0	0	0	0	0	0	0	0
500	239	0	241	0	360	0	368	0	0	0	294	0	335	259	299	0	331	259	305	0	317	299	305	0	314	299	0	0	0	0	0	0	0	0
600	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	0	0
700	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	0	0	0	0	0	0	0
800	273	0	282	0	375	0	384	0	0	0	299	0	339	254	300	0	335	228	310	0	325	302	310	0	323	303	0	0	0	0	0	0	0	0
900	261	0	276	0	385	0	396	0	0	0	296	0	340	238	301	0	351	258	305	0	315	293	307	0	326	297	0	0	0	0	0	0	0	0
1000	270	0	273	0	372	0	380	0	0	0	308	0	348	257	303	0	339	251	309	0	320	300	309	0	318	303	0	0	0	0	0	0	0	0
1100	249	0	254	0	358	0	372	0	0	0	293	0	344	250	295	0	351	244	304	0	316	293	305	0	329	295	0	0	0	0	0	0	0	0
1200	303	0	306	0	392	0	408	0	0	0	301	0	353	262	307	0	5	273	311	0	330	299	313	0	334	297	0	0	0	0	0	0	0	0
1300	243	0	244	0	338	0	346	0	0	0	305	0	345	232	308	0	356	263	317	0	325	304	319	0	333	304	0	0	0	0	0	0	0	0
1400	180	0	199	0	264	0	286	0	0	0	307	0	352	253	310	0	351	271	321	0	344	304	323	0	345	300	0	0	0	0	0	0	0	0
1500	177	0	179	0	286	0	286	0	0	0	325	0	32	274	328	0	18	274	336	0	6	307	337	0	6	303	0	0	0	0	0	0	0	0
1600	178	0	181	0	283	0	289	0	0	0	326	0	31	279	329	0	46	272	334	0	2	287	334	0	357	286	0	0	0	0	0	0	0	0
1700	174	0	175	0	287	0	285	0	0	0	315	0	354	255	320	0	15	272	332	0	0	291	335	0	1	311	0	0	0	0	0	0	0	0
1800	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	0	0
1900	153	0	157	0	233	0	230	0	0	0	316	0	6	271	317	0	358	226	331	0	18	286	333	0	48	300	0	0	0	0	0	0	0	0
2000	171	0	189	0	286	0	292	0	0	0	315	0	353	249	321	0	27	272	330	0	355	275	333	0	359	302	0	0	0	0	0	0	0	0
2100	207	0	216	0	322	0	322	0	0	0	308	0	353	249	309	0	4	272	325	0	351	291	326	0	353	298	0	0	0	0	0	0	0	0
2200	179	0	188	0	269	0	342	0	0	0	317	0	17	270	318	0	5	286	329	0	353	290	332	0	359	306	0	0	0	0	0	0	0	0
2300	196	0	204	0	327	0	335	0	0	0	325	0	356	267	331	0	8	285	336	0	357	318	339	0	4	318	0	0	0	0	0	0	0	0
2400	208	0	208	0	307	0	306	0	0	0	335	0	33	279	339	0	30	282	339	0	3	308	340	0	2	314	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMP6	S	O.T. 1 180A	S	O.T. 2 180B	S	O.T. 3	S	O.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	0	2	0	2	0	2	0	2	0	2	0	2	6	0	0	2	10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	188	0	186	0	191	0	191	0	0	0	0	0	6	0	6	0	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	187	0	187	0	187	0	187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	182	0	182	0	185	0	185	0	0	0	0	0	3	0	3	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	153	0	153	0	147	0	147	0	0	0	0	0	-5	0	-4	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	131	2	130	2	124	2	124	2	0	0	0	0	-5	2	-5	2	-9	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	126	0	124	0	120	0	117	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	124	0	124	0	120	0	118	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	125	0	125	0	119	0	118	0	0	0	0	0	-6	0	-7	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	125	0	122	0	122	0	116	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	125	0	122	0	122	0	114	0	0	0	0	0	-6	0	-7	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	124	0	125	0	118	0	115	0	0	0	0	0	-8	0	-8	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	129	0	129	0	123	0	123	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	126	0	124	0	120	0	118	0	0	0	0	0	-8	0	-8	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	122	0	121	0	116	0	114	0	0	0	0	0	-7	0	-8	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	115	0	116	0	111	0	111	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	115	0	115	0	113	0	113	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	122	0	122	0	118	0	118	0	0	0	0	0	-3	0	-4	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	118	0	118	0	114	0	113	0	0	0	0	0	-3	0	-4	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	107	0	107	0	103	0	103	0	0	0	0	0	-1	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	104	0	104	0	100	0	100	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	101	0	101	0	97	0	97	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 180A	S	WIND SPD4 180B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 180A	S	MAX	MIN	WIND DIR4 180B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	194	0	192	0	309	0	306	0	0	0	337	0	32	292	338	0	27	292	342	0	11	300	348	0	12	318	0	0	0	0	0	0	0	0
200	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	0	0
300	209	0	205	0	301	0	295	0	0	0	341	0	44	311	341	0	38	309	345	0	19	323	347	0	9	322	0	0	0	0	0	0	0	0
400	174	0	182	0	288	0	284	0	0	0	336	0	40	298	341	0	66	285	344	0	1	300	347	0	8	324	0	0	0	0	0	0	0	0
500	158	0	153	0	247	0	242	0	0	0	341	0	73	272	345	0	62	277	353	0	37	325	354	0	33	318	0	0	0	0	0	0	0	0
600	149	0	143	0	240	0	230	0	0	0	342	0	47	283	345	0	83	275	352	0	30	322	356	0	33	328	0	0	0	0	0	0	0	0
700	109	0	111	0	199	0	195	0	0	0	4	0	79	299	8	0	78	270	359	0	36	321	2	0	47	322	0	0	0	0	0	0	0	0
800	111	0	109	0	200	0	198	0	0	0	349	0	83	284	351	0	125	287	354	0	37	322	357	0	40	317	0	0	0	0	0	0	0	0
900	102	0	105	0	173	0	173	0	0	0	353	0	139	289	354	0	81	288	356	0	30	313	357	0	37	305	0	0	0	0	0	0	0	0
1000	130	0	135	0	198	0	194	0	0	0	339	0	20	302	341	0	32	287	347	0	11	323	349	0	17	317	0	0	0	0	0	0	0	0
1100	117	0	123	0	191	0	192	0	0	0	331	0	47	275	334	0	29	294	339	0	5	305	340	0	18	299	0	0	0	0	0	0	0	0
1200	107	0	109	0	169	0	169	0	0	0	333	0	31	291	337	0	21	288	339	0	3	294	341	0	3	303	0	0	0	0	0	0	0	0
1300	93	0	101	0	156	0	160	0	0	0	323	0	24	278	329	0	40	271	329	0	354	290	330	0	357	267	0	0	0	0	0	0	0	0
1400	110	0	115	0	176	0	174	0	0	0	333	0	28	278	338	0	35	286	341	0	358	299	343	0	15	308	0	0	0	0	0	0	0	0
1500	130	0	131	0	194	0	192	0	0	0	342	0	30	301	342	0	44	298	348	0	10	324	349	0	19	305	0	0	0	0	0	0	0	0
1600	99	0	101	0	168	0	168	0	0	0	346	0	87	275	347	0	60	286	354	0	34	314	355	0	33	326	0	0	0	0	0	0	0	0
1700	134	0	131	0	186	0	184	0	0	0	343	0	34	298	346	0	31	299	349	0	41	307	353	0	51	307	0	0	0	0	0	0	0	0
1800	97	0	98	0	159	0	157	0	0	0	4	0	75	303	9	0	109	286	3	0	51	334	3	0	31	326	0	0	0	0	0	0	0	0
1900	90	0	87	0	153	0	151	0	0	0	355	0	58	307	1	0	177	296	359	0	44	313	3	0	67	327	0	0	0	0	0	0	0	0
2000	111	0	117	0	175	0	171	0	0	0	21	0	85	335	22	0	56	339	14	0	45	341	18	0	55	338	0	0	0	0	0	0	0	0
2100	92	0	92	0	160	0	158	0	0	0	14	0	86	287	18	0	90	327	8	0	40	328	11	0	48	339	0	0	0	0	0	0	0	0
2200	99	0	105	0	146	0	145	0	0	0	20	0	57	326	20	0	76	322	8	0	40	326	10	0	41	331	0	0	0	0	0	0	0	0
2300	98	0	101	0	160	0	159	0	0	0	18	0	86	323	23	0	98	339	12	0	37	345	15	0	51	348	0	0	0	0	0	0	0	0
2400	66	0	69	0	90	0	95	0	0	0	71	0	119	1	78	0	125	12	85	0	119	12	70	0	115	13	0	0	0	0	0	0	0	0

HOUR	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	RAIN	S
100	99	0	99	0	95	0	95	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
200	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
300	98	0	98	0	94	0	94	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
400	95	0	95	0	91	0	91	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
500	93	0	93	0	89	0	89	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
600	91	0	91	0	87	0	87	0	0	0	0	0	-3	0	-4	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
700	89	0	89	0	86	0	86	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
800	90	0	90	0	86	0	86	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
900	93	0	93	0	88	0	88	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	100	0	100	0	89	0	89	0	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	97	0	97	0	87	0	87	0	0	0	0	0	-9	0	-9	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	98	0	99	0	86	0	86	0	0	0	0	0	-12	0	-12	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	97	0	98	0	86	0	86	0	0	0	0	0	-11	0	-11	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	95	0	95	0	86	0	87	0	0	0	0	0	-8	0	-8	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	94	0	96	0	87	0	87	0	0	0	0	0	-9	0	-9	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	96	0	97	0	88	0	88	0	0	0	0	0	-8	0	-8	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	98	0	97	0	89	0	89	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	94	0	94	0	88	0	88	0	0	0	0	0	-4	0	-5	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	94	0	94	0	90	0	90	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	94	0	94	0	91	0	91	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	94	0	94	0	91	0	92	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	95	0	96	0	94	0	94	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	97	0	97	0	96	0	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	91	0	90	0	87	0	86	0	0	0	0	0	-4	0	-5	0	-7	0	0	0	0	2	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 = HEAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	63	0	70	0	95	0	100	0	0	0	87	0	109	57	94	0	124	61	75	0	88	57	83	0	100	65	0	0	0	0	0	0	0	0
200	61	0	65	0	99	0	110	0	0	0	79	0	110	58	85	0	123	60	70	0	92	51	76	0	98	61	0	0	0	0	0	0	0	0
300	58	0	66	0	103	0	121	0	0	0	69	0	103	44	73	0	98	35	61	0	73	45	67	0	80	55	0	0	0	0	0	0	0	0
400	65	0	73	0	110	0	125	0	0	0	75	0	101	45	82	0	111	50	68	0	82	57	74	0	89	59	0	0	0	0	0	0	0	0
500	64	0	75	0	105	0	128	0	0	0	89	0	88	45	74	0	108	54	82	0	71	51	68	0	79	60	0	0	0	0	0	0	0	0
600	67	0	70	0	113	0	130	0	0	0	82	0	114	57	91	0	124	68	71	0	80	62	78	0	89	67	0	0	0	0	0	0	0	0
700	57	0	60	0	98	0	101	0	0	0	99	0	114	85	107	0	129	75	80	0	99	70	88	0	104	78	0	0	0	0	0	0	0	0
800	55	0	0	2	70	0	0	2	0	2	105	0	0	0	0	2	0	0	95	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
900	43	0	0	2	35	0	0	2	0	2	95	0	0	0	0	2	3	0	102	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1000	47	0	0	2	42	0	0	2	0	2	80	0	0	0	0	2	0	0	75	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1100	61	0	0	2	50	0	0	2	0	2	25	0	0	0	0	2	0	0	30	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1200	52	0	57	0	81	0	82	0	0	0	6	0	178	284	5	0	142	279	3	0	48	303	7	0	63	308	0	0	0	0	0	0	0	0
1300	63	0	67	0	89	0	90	0	0	0	338	0	46	287	340	0	31	274	355	0	30	313	357	0	39	310	0	0	0	0	0	0	0	0
1400	494	2	496	2	89	0	88	0	0	0	333	0	33	270	336	0	62	275	346	0	13	305	349	0	25	298	0	0	0	0	0	0	0	0
1500	75	0	79	0	107	0	106	0	0	0	333	0	29	271	337	0	35	277	345	0	13	308	349	0	59	308	0	0	0	0	0	0	0	0
1600	53	0	53	0	73	0	76	0	0	0	325	0	11	282	21	0	114	305	6	0	95	328	5	0	51	299	0	0	0	0	0	0	0	0
1700	51	0	51	0	73	0	75	0	0	0	327	0	32	283	20	0	83	321	1	0	33	315	1	0	55	314	0	0	0	0	0	0	0	0
1800	70	0	70	0	97	0	95	0	0	0	334	0	348	318	28	0	61	10	23	0	46	12	28	0	50	15	0	0	0	0	0	0	0	0
1900	94	0	96	0	81	0	96	0	0	0	353	0	3	337	53	0	69	30	47	0	54	38	53	0	63	39	0	0	0	0	0	0	0	0
2000	53	0	53	0	80	0	100	0	0	0	7	0	21	356	71	0	84	57	62	0	56	57	68	0	74	64	0	0	0	0	0	0	0	0
2100	62	0	62	0	120	0	119	0	0	0	20	0	32	10	87	0	103	69	74	0	79	70	81	0	87	76	0	0	0	0	0	0	0	0
2200	72	0	72	0	136	0	133	0	0	0	31	0	43	22	99	0	118	80	85	0	89	80	92	0	98	85	0	0	0	0	0	0	0	0
2300	79	0	79	0	146	0	143	0	0	0	33	0	44	24	103	0	125	87	88	0	92	85	96	0	98	92	0	0	0	0	0	0	0	0
2400	72	0	72	0	131	0	132	0	0	0	41	0	45	37	113	0	129	101	95	0	98	92	103	0	105	101	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMPA	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	55	0	55	0	57	0	57	0	0	0	0	0	2	0	3	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	48	0	48	0	50	0	50	0	0	0	0	0	5	0	5	0	9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	35	0	35	0	48	0	48	0	0	0	0	0	13	0	14	0	23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	34	0	34	0	43	0	43	0	0	0	0	0	9	0	9	0	16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	28	0	28	0	46	0	46	0	0	0	0	0	18	0	18	0	32	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	33	0	34	0	44	0	44	0	0	0	0	0	11	0	11	0	19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	32	0	32	0	43	0	43	0	0	0	0	0	12	0	12	0	21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	43	0	0	2	0	2	0	2	0	2	0	2	4	0	0	2	7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	25	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	95	0	0	2	0	2	0	2	0	2	0	2	-13	0	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	101	0	0	2	0	2	0	2	0	2	0	2	-10	0	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	109	0	109	0	93	0	93	0	0	0	0	0	-15	0	-16	0	-27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	111	0	112	0	94	0	94	0	0	0	0	0	-17	0	-17	0	-30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	115	0	115	0	97	0	97	0	0	0	0	0	-17	0	-17	0	-30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	120	0	120	0	101	0	101	0	0	0	0	0	-18	0	-19	0	-32	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	118	0	118	0	104	0	104	0	0	0	0	0	-14	0	-14	0	-25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	108	0	107	0	98	0	98	0	0	0	0	0	-8	0	-7	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	95	0	95	0	92	0	92	0	0	0	0	0	-1	0	1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	78	0	77	0	92	0	92	0	0	0	0	0	15	0	17	0	27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	69	0	67	0	92	0	92	0	0	0	0	0	24	0	25	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	68	0	68	0	80	0	80	0	0	0	0	0	12	0	12	0	21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	62	0	62	0	73	0	73	0	0	0	0	0	11	0	11	0	19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	58	0	58	0	73	0	74	0	0	0	0	0	16	0	16	0	28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	59	0	59	0	77	0	77	0	0	0	0	0	25	0	25	0	45	0	0	0	0	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 = HEAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	80	0	80	0	138	0	139	0	0	0	43	0	46	38	115	0	129	103	98	0	99	96	106	0	108	104	0	0	0	0	0	0	0	0
200	77	0	77	0	149	0	151	0	0	0	41	0	48	35	113	0	124	101	102	0	105	99	111	0	115	108	0	0	0	0	0	0	0	0
300	78	0	78	0	141	0	146	0	0	0	49	0	53	42	121	0	135	93	115	0	120	110	125	0	129	120	0	0	0	0	0	0	0	0
400	80	0	80	0	148	0	150	0	0	0	9	0	11	7	130	0	142	116	122	0	129	117	132	0	139	128	0	0	0	0	0	0	0	0
500	85	0	85	0	144	0	154	0	0	0	9	0	12	7	133	0	140	115	132	0	138	127	142	0	147	136	0	0	0	0	0	0	0	0
600	63	0	63	0	165	0	171	0	0	0	7	0	10	5	135	0	164	94	146	0	147	142	158	0	157	153	0	0	0	0	0	0	0	0
700	66	0	66	0	145	0	149	0	0	0	0	0	0	0	122	0	134	108	143	0	148	137	153	0	158	147	0	0	0	0	0	0	0	0
800	55	0	55	0	110	0	115	0	0	0	119	0	147	90	118	0	130	89	146	0	154	135	158	0	167	149	0	0	0	0	0	0	0	0
900	39	0	39	0	77	0	82	0	0	0	111	0	162	49	126	0	177	48	148	0	175	118	159	0	198	126	0	0	0	0	0	0	0	0
1000	47	0	47	0	80	0	86	0	0	0	123	0	172	88	143	0	228	92	148	0	131	109	160	0	192	127	0	0	0	0	0	0	0	0
1100	67	0	67	0	85	0	91	0	0	0	108	0	142	68	123	0	161	64	130	0	149	102	142	0	174	125	0	0	0	0	0	0	0	0
1200	68	0	68	0	114	0	114	0	0	0	135	0	179	3	164	0	234	108	159	0	203	126	169	0	198	141	0	0	0	0	0	0	0	0
1300	68	0	68	0	97	0	101	0	0	0	103	0	144	63	117	0	163	70	116	0	151	77	127	0	158	93	0	0	0	0	0	0	0	0
1400	88	0	88	0	105	0	111	0	0	0	112	0	139	87	127	0	160	85	139	0	151	72	131	0	161	85	0	0	0	0	0	0	0	0
1500	75	0	75	0	109	0	110	0	0	0	89	0	136	58	111	0	160	28	103	0	142	66	115	0	154	88	0	0	0	0	0	0	0	0
1600	101	0	101	0	132	0	134	0	0	0	109	0	137	84	121	0	171	70	117	0	143	92	127	0	160	85	0	0	0	0	0	0	0	0
1700	89	0	89	0	122	0	126	0	0	0	107	0	146	85	121	0	155	93	111	0	132	72	122	0	145	85	0	0	0	0	0	0	0	0
1800	75	0	75	0	111	0	117	0	0	0	108	0	121	89	121	0	142	91	115	0	135	102	127	0	141	111	0	0	0	0	0	0	0	0
1900	62	0	62	0	112	0	115	0	0	0	102	0	115	86	115	0	138	78	112	0	126	95	123	0	134	110	0	0	0	0	0	0	0	0
2000	74	0	[illegible]	0	127	0	131	0	0	0	103	0	113	87	118	0	147	84	111	0	123	102	122	0	137	111	0	0	0	0	0	0	0	0
2100	94	0	94	0	99	0	137	0	0	0	111	0	123	95	126	0	153	78	124	0	139	112	136	0	150	119	0	0	0	0	0	0	0	0
2200	116	0	116	0	[illegible]	0	144	0	0	0	107	0	120	87	119	0	140	87	112	0	125	94	123	0	151	101	0	0	0	0	0	0	0	0
2300	109	0	109	0	[illegible]	0	138	0	0	0	108	0	123	76	120	0	150	86	111	0	132	89	121	0	136	98	0	0	0	0	0	0	0	0
2400	115	0	11[illegible]	0	[illegible]	0	151	0	0	0	111	0	122	91	124	0	145	93	119	0	132	101	130	0	146	111	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMPR	S	D.T. 1 150A	S	D.T. 2 150B	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	51	0	52	0	76	0	76	0	0	0	0	0	25	0	24	0	45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	49	0	49	0	70	0	69	0	0	0	0	0	22	0	22	0	39	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	42	0	42	0	67	0	66	0	0	0	0	0	26	0	25	0	44	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	47	0	47	0	66	0	65	0	0	0	0	0	20	0	18	0	36	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	43	0	43	0	60	0	60	0	0	0	0	0	18	0	18	0	32	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	40	0	40	0	59	0	59	0	0	0	0	0	30	0	30	0	54	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	35	0	36	0	58	0	58	0	0	0	0	0	23	0	22	0	41	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	53	0	54	0	86	0	86	0	0	0	0	0	14	0	13	0	25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	90	0	91	0	78	0	78	0	0	0	0	0	-11	0	-13	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	114	0	115	0	99	0	100	0	0	0	0	0	-14	0	-15	0	-25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	125	0	125	0	111	0	111	0	0	0	0	0	-13	0	-13	0	-23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	147	0	147	0	123	0	123	0	0	0	0	0	-21	0	-22	0	-37	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	140	0	140	0	128	0	128	0	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	147	0	148	0	136	0	137	0	0	0	0	0	-9	0	-9	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	153	0	153	0	138	0	138	0	0	0	0	0	-11	0	-12	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	151	0	152	0	143	0	143	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	147	0	147	0	141	0	141	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	139	0	138	0	135	0	135	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	128	0	128	0	128	0	128	0	0	0	0	0	2	0	3	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	119	0	119	0	120	0	120	0	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	119	0	119	0	118	0	118	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	110	0	110	0	108	0	108	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	104	0	104	0	104	0	104	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	103	0	103	0	99	0	99	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	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 =HEAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	112	0	112	0	150	0	157	0	0	0	112	0	128	102	125	0	157	102	119	0	133	106	130	0	146	114	0	0	0	0	0	0	0	0
200	118	0	118	0	164	0	171	0	0	0	113	0	122	94	125	0	160	96	120	0	135	107	131	0	147	121	0	0	0	0	0	0	0	0
300	111	0	111	0	163	0	169	0	0	0	111	0	119	97	124	0	152	93	118	0	126	109	128	0	140	119	0	0	0	0	0	0	0	0
400	107	0	107	0	156	0	161	0	0	0	110	0	119	91	123	0	147	97	118	0	129	103	128	0	138	117	0	0	0	0	0	0	0	0
500	114	0	114	0	163	0	169	0	0	0	110	0	122	99	120	0	148	86	115	0	125	103	125	0	137	115	0	0	0	0	0	0	0	0
600	116	0	116	0	155	0	162	0	0	0	111	0	121	93	121	0	148	82	117	0	129	106	128	0	139	118	0	0	0	0	0	0	0	0
700	117	0	117	0	154	0	162	0	0	0	113	0	123	91	125	0	144	84	121	0	134	112	132	0	142	124	0	0	0	0	0	0	0	0
800	102	0	102	0	135	0	143	0	0	0	113	0	128	97	128	0	153	101	126	0	143	114	137	0	149	127	0	0	0	0	0	0	0	0
900	99	0	99	0	121	0	128	0	0	0	110	0	122	91	125	0	143	86	125	0	140	110	135	0	147	123	0	0	0	0	0	0	0	0
1000	91	0	91	0	115	0	121	0	0	0	111	0	135	95	126	0	150	93	123	0	136	111	134	0	148	118	0	0	0	0	0	0	0	0
1100	101	0	101	0	121	0	126	0	0	0	111	0	127	94	125	0	145	77	120	0	134	108	131	0	144	116	0	0	0	0	0	0	0	0
1200	75	0	75	0	91	0	96	0	0	0	110	0	157	80	127	0	173	78	128	0	156	101	139	0	167	108	0	0	0	0	0	0	0	0
1300	68	0	68	0	86	0	91	0	0	0	117	0	151	71	134	0	176	85	138	0	180	108	149	0	185	122	0	0	0	0	0	0	0	0
1400	53	0	53	0	63	0	66	0	0	0	101	0	133	56	119	0	160	62	117	0	160	43	125	0	173	50	0	0	0	0	0	0	0	0
1500	28	0	28	0	40	0	43	0	0	0	278	0	352	187	292	3	356	182	344	0	85	270	356	0	147	274	0	0	0	0	0	0	0	0
1600	51	0	51	0	67	0	72	0	0	0	114	0	157	89	129	0	177	46	124	0	152	89	135	0	162	98	0	0	0	0	0	0	0	0
1700	61	0	61	0	74	0	80	0	0	0	110	0	151	73	129	0	174	94	122	0	143	102	133	0	158	118	0	0	0	0	0	0	0	0
1800	43	0	43	0	67	0	70	0	0	0	79	0	100	55	91	0	117	52	88	0	103	70	97	0	113	71	0	0	0	0	0	0	0	0
1900	42	0	42	0	78	0	82	0	0	0	94	0	116	71	111	0	143	79	110	0	126	84	120	0	136	85	0	0	0	0	0	0	0	0
2000	59	0	59	0	103	0	106	0	0	0	86	0	101	69	98	0	118	85	97	0	103	89	108	0	111	98	0	0	0	0	0	0	0	0
2100	84	0	84	0	122	0	126	0	0	0	93	0	105	75	108	0	138	84	100	0	106	92	110	0	116	105	0	0	0	0	0	0	0	0
2200	70	0	70	0	130	0	140	0	0	0	95	0	107	77	107	0	127	89	101	0	104	96	111	0	113	109	0	0	0	0	0	0	0	0
2300	68	0	68	0	124	0	128	0	0	0	96	0	106	83	110	0	132	79	105	0	109	101	115	0	120	111	0	0	0	0	0	0	0	0
2400	73	0	73	0	136	0	141	0	0	0	102	0	111	90	126	0	133	89	112	0	115	109	123	0	127	119	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMPR	S	D.T. 1 150A	S	D.T. 2 150B	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	96	0	97	0	94	0	94	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	91	0	91	0	89	0	89	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	85	0	85	0	85	0	85	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	83	0	84	0	83	0	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	82	0	82	0	81	0	81	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	84	0	85	0	82	0	82	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	86	0	86	0	83	0	83	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	86	0	86	0	82	0	82	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	89	0	90	0	85	0	85	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	97	0	98	0	91	0	92	0	0	0	0	0	-5	0	-6	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	112	0	113	0	103	0	104	0	0	0	0	0	-8	0	-8	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	147	0	149	0	130	0	131	0	0	0	0	0	-15	0	-16	0	-27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	158	0	157	0	139	0	140	0	0	0	0	0	-15	0	-16	0	-27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	167	0	168	0	152	0	152	0	0	0	0	0	-13	0	-14	0	-23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	159	0	159	0	140	0	139	0	0	0	0	0	-18	0	-18	0	-32	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	166	0	166	0	154	0	154	0	0	0	0	0	-9	0	-10	0	-15	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	154	0	154	0	147	0	147	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	138	0	138	0	138	0	138	0	0	0	0	0	2	0	3	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	130	0	130	0	135	0	135	0	0	0	0	0	6	0	6	0	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	124	0	124	0	130	0	130	0	0	0	0	0	7	0	7	0	12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	114	0	114	0	122	0	122	0	0	0	0	0	9	0	9	0	16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	102	0	102	0	115	0	115	0	0	0	0	0	14	0	14	0	25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	92	0	92	0	110	0	110	0	0	0	0	0	19	0	19	0	34	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	85	0	85	0	101	0	102	0	0	0	0	0	17	0	17	0	30	0	0	0	0	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 = CALM DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	73	0	73	0	125	0	131	0	0	0	104	0	113	97	119	0	132	98	120	0	123	115	131	0	135	128	0	0	0	0	0	0	0	0
200	73	0	73	0	124	0	128	0	0	0	108	0	113	103	124	0	135	106	128	0	130	125	140	0	142	137	0	0	0	0	0	0	0	0
300	74	0	74	0	124	0	129	0	0	0	107	0	112	100	124	0	132	114	124	0	126	115	138	0	139	132	0	0	0	0	0	0	0	0
400	63	0	63	0	98	0	102	0	0	0	93	0	101	80	106	0	119	93	115	0	119	109	126	0	127	123	0	0	0	0	0	0	0	0
500	72	0	72	0	104	0	105	0	0	0	97	0	98	76	98	0	130	88	93	0	96	91	105	0	105	100	0	0	0	0	0	0	0	0
600	72	0	72	0	117	0	118	0	0	0	88	0	96	79	98	0	116	88	90	0	92	87	99	0	102	96	0	0	0	0	0	0	0	0
700	72	0	72	0	133	0	134	0	0	0	86	0	99	75	97	0	120	77	89	0	92	81	99	0	102	92	0	0	0	0	0	0	0	0
800	64	0	64	0	131	0	133	0	0	0	84	0	96	72	94	0	120	75	89	0	96	86	98	0	105	92	0	0	0	0	0	0	0	0
900	60	0	60	0	87	0	87	0	0	0	95	0	102	86	95	0	126	70	85	0	98	88	93	0	113	87	0	0	0	0	0	0	0	0
1000	51	0	51	0	58	0	61	0	0	0	88	0	118	46	100	0	147	7	89	0	132	64	106	0	142	68	0	0	0	0	0	0	0	0
1100	52	0	52	0	60	0	67	0	0	0	358	0	32	302	54	0	121	6	45	0	108	332	50	0	93	307	0	0	0	0	0	0	0	0
1200	53	0	53	0	85	0	83	0	0	0	295	0	353	241	355	0	175	288	356	0	52	301	358	0	72	312	0	0	0	0	0	0	0	0
1300	46	0	46	0	85	0	86	0	0	0	311	0	357	232	7	0	159	287	354	0	62	277	356	0	41	308	0	0	0	0	0	0	0	0
1400	76	0	76	0	111	0	112	0	0	0	330	0	46	281	16	0	88	293	7	0	41	311	9	0	46	321	0	0	0	0	0	0	0	0
1500	110	0	110	0	145	0	143	0	0	0	333	0	7	307	18	0	50	328	12	0	37	342	15	0	40	339	0	0	0	0	0	0	0	0
1600	93	0	93	0	138	0	135	0	0	0	335	0	5	309	23	0	73	339	17	0	45	350	22	0	58	2	0	0	0	0	0	0	0	0
1700	83	0	83	0	126	0	126	0	0	0	335	0	8	307	23	0	67	343	18	0	32	345	23	0	40	350	0	0	0	0	0	0	0	0
1800	95	0	95	0	135	0	133	0	0	0	339	0	0	323	28	0	60	330	25	0	41	6	29	0	52	8	0	0	0	0	0	0	0	0
1900	75	0	75	0	115	0	119	0	0	0	349	0	13	334	38	0	74	13	37	0	53	17	41	0	64	24	0	0	0	0	0	0	0	0
2000	69	0	69	0	99	0	114	0	0	0	355	0	14	337	50	0	79	28	45	0	68	36	51	0	67	38	0	0	0	0	0	0	0	0
2100	75	0	75	0	136	0	143	0	0	0	24	0	40	10	87	0	111	66	72	0	77	65	78	0	85	68	0	0	0	0	0	0	0	0
2200	82	0	82	0	151	0	147	0	0	0	29	0	41	21	92	0	115	73	85	0	88	82	92	0	97	90	0	0	0	0	0	0	0	0
2300	103	0	103	0	171	0	169	0	0	0	30	0	44	18	89	0	111	73	83	0	89	76	90	0	97	84	0	0	0	0	0	0	0	0
2400	88	0	88	0	147	0	147	0	0	0	34	0	46	23	97	0	130	82	91	0	97	85	99	0	104	94	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMPA	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	80	0	80	0	95	0	96	0	0	0	0	0	17	0	17	0	30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	74	0	74	0	91	0	91	0	0	0	0	0	17	0	17	0	30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	69	0	69	0	86	0	86	0	0	0	0	0	17	0	17	0	30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	62	0	62	0	84	0	84	0	0	0	0	0	21	0	21	0	37	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	60	0	60	0	80	0	81	0	0	0	0	0	20	0	20	0	36	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	55	0	55	0	74	0	74	0	0	0	0	0	19	0	19	0	34	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	51	0	51	0	68	0	68	0	0	0	0	0	17	0	17	0	30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	55	0	56	0	79	0	79	0	0	0	0	0	24	0	23	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	69	0	68	0	86	0	86	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	109	0	110	0	96	0	96	0	0	0	0	0	-11	0	-13	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	131	0	131	0	112	0	112	0	0	0	0	0	-17	0	-17	0	-30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	130	0	131	0	113	0	113	0	0	0	0	0	-15	0	-16	0	-27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	137	0	137	0	114	0	114	0	0	0	0	0	-20	0	-20	0	-36	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	134	0	134	0	117	0	117	0	0	0	0	0	-14	0	-14	0	-25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	129	0	129	0	118	0	118	0	0	0	0	0	-9	0	-9	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	134	0	133	0	122	0	122	0	0	0	0	0	-9	0	-9	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	130	0	130	0	121	0	121	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	121	0	121	0	117	0	117	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	112	0	112	0	112	0	112	0	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	100	0	100	0	106	0	106	0	0	0	0	0	8	0	8	0	14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	94	0	95	0	111	0	111	0	0	0	0	0	18	0	17	0	32	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	88	0	88	0	102	0	102	0	0	0	0	0	15	0	15	0	27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	83	0	83	0	93	0	93	0	0	0	0	0	11	0	11	0	19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	73	0	73	0	83	0	83	0	0	0	0	0	10	0	10	0	18	0	0	0	0	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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 80 A	S	MAX	MIN	WIND DIR2 80 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	90	0	90	0	161	0	163	0	0	0	37	0	48	23	102	0	125	75	97	0	99	93	105	0	108	102	0	0	0	0	0	0	0	0
200	83	0	83	0	155	0	162	0	0	0	39	0	51	27	104	0	134	81	101	0	103	97	110	0	112	103	0	0	0	0	0	0	0	0
300	92	0	92	0	151	0	155	0	0	0	47	0	59	32	115	0	140	91	110	0	113	107	119	0	124	115	0	0	0	0	0	0	0	0
400	103	0	103	0	168	0	172	0	0	0	52	0	62	43	119	0	141	92	114	0	122	107	124	0	131	117	0	0	0	0	0	0	0	0
500	104	0	104	0	167	0	172	0	0	0	49	0	62	33	117	0	145	88	111	0	121	103	121	0	132	112	0	0	0	0	0	0	0	0
600	90	0	90	0	151	0	156	0	0	0	45	0	58	29	113	0	139	74	110	0	115	105	120	0	124	113	0	0	0	0	0	0	0	0
700	81	0	81	0	135	0	139	0	0	0	47	0	61	21	117	0	137	85	109	0	114	104	118	0	123	112	0	0	0	0	0	0	0	0
800	68	0	68	0	120	0	122	0	0	0	42	0	57	25	112	0	139	90	110	0	116	103	119	0	125	109	0	0	0	0	0	0	0	0
900	61	0	0	2	82	0	0	2	0	2	112	0	0	0	0	2	0	0	106	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1000	92	0	0	2	95	0	0	2	0	2	117	0	0	0	0	2	0	0	112	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1100	89	0	0	2	95	0	0	2	0	2	120	0	0	0	0	2	0	0	125	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1200	80	0	0	2	100	0	0	2	0	2	126	0	0	0	0	2	0	0	130	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1300	81	0	0	2	104	0	0	2	0	2	120	0	0	0	0	2	0	0	115	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1400	77	0	0	2	102	0	0	2	0	2	120	0	0	0	0	2	0	0	118	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1500	103	0	99	0	125	0	129	0	0	0	119	0	158	81	125	0	176	78	123	0	143	102	134	0	164	108	0	0	0	0	0	0	0	0
1600	88	0	86	0	95	0	100	0	0	0	128	0	198	98	131	0	171	64	132	0	160	86	142	0	169	95	0	0	0	0	0	0	0	0
1700	91	0	89	0	126	0	134	0	0	0	122	0	157	95	131	0	167	86	126	0	142	108	137	0	157	119	0	0	0	0	0	0	0	0
1800	84	0	79	0	115	0	122	0	0	0	118	0	134	108	127	0	149	94	119	0	133	102	130	0	143	119	0	0	0	0	0	0	0	0
1900	72	0	71	0	121	0	129	0	0	0	124	0	138	108	131	0	149	115	128	0	131	124	139	0	149	136	0	0	0	0	0	0	0	0
2000	105	0	98	0	166	0	175	0	0	0	114	0	128	104	123	0	159	84	118	0	123	112	128	0	133	123	0	0	0	0	0	0	0	0
2100	130	0	122	0	176	0	187	0	0	0	116	0	129	104	124	0	147	100	120	0	131	108	131	0	138	120	0	0	0	0	0	0	0	0
2200	133	0	130	0	176	0	183	0	0	0	116	0	126	105	124	0	147	103	119	0	129	109	131	0	141	119	0	0	0	0	0	0	0	0
2300	134	0	128	0	172	0	185	0	0	0	119	0	146	104	126	0	158	99	125	0	136	112	136	0	150	121	0	0	0	0	0	0	0	0
2400	109	0	113	0	169	0	180	0	0	0	124	0	145	109	132	0	159	104	135	0	143	126	146	0	155	139	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMPR	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	88	0	88	0	80	0	80	0	0	0	0	0	12	0	12	0	21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	81	0	81	0	74	0	75	0	0	0	0	0	13	0	13	0	23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	80	0	80	0	72	0	72	0	0	0	0	0	12	0	12	0	21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	80	0	80	0	69	0	69	0	0	0	0	0	9	0	9	0	18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	80	0	80	0	68	0	67	0	0	0	0	0	4	0	7	0	14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	57	0	57	0	66	0	66	0	0	0	0	0	10	0	10	0	15	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	52	0	52	0	57	0	57	0	0	0	0	0	5	0	5	0	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	61	0	62	0	64	0	64	0	0	0	0	0	1	0	3	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	84	0	0	2	0	2	0	2	0	2	-3	0	6	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	120	0	0	2	0	2	0	2	0	2	-9	0	0	2	-15	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	6	2
1100	131	0	0	2	0	2	0	2	0	2	-10	0	0	2	-18	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	150	0	0	2	0	2	0	2	0	2	-15	0	0	2	-27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	162	0	0	2	0	2	0	2	0	2	-13	0	0	2	-23	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	171	0	0	2	0	2	0	2	0	2	-12	0	0	2	-21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	173	0	173	0	157	0	156	0	0	0	0	0	-11	0	-11	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	178	0	177	0	162	0	162	0	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	171	0	171	0	161	0	161	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	156	0	155	0	152	0	152	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	141	0	141	0	148	0	148	0	0	0	0	0	10	0	10	0	18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	126	0	126	0	138	0	138	0	0	0	0	0	14	0	15	0	25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	120	0	120	0	122	0	122	0	0	0	0	0	3	0	3	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	113	0	113	0	113	0	113	0	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	104	0	105	0	104	0	104	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	75	0	75	0	75	0	76	0	0	0	0	0	2	0	1	0	3	0	0	0	0	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 = RELAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	132	0	136	0	176	0	185	0	0	0	119	0	137	98	127	0	165	91	124	0	140	107	136	0	157	121	0	0	0	0	0	0	0	0
200	141	0	111	0	150	0	163	0	0	0	117	0	135	102	127	0	149	91	127	0	141	111	139	0	152	126	0	0	0	0	0	0	0	0
300	105	0	104	0	154	0	142	0	0	0	123	0	146	101	132	0	152	109	133	0	143	124	144	0	158	134	0	0	0	0	0	0	0	0
400	112	0	114	0	160	0	173	0	0	0	122	0	132	108	130	0	157	107	131	0	147	120	142	0	151	131	0	0	0	0	0	0	0	0
500	110	0	118	0	153	0	143	0	0	0	122	0	142	106	131	0	150	109	130	0	143	119	141	0	151	132	0	0	0	0	0	0	0	0
600	106	0	108	0	161	0	171	0	0	0	123	0	141	109	131	0	163	107	132	0	140	123	144	0	152	134	0	0	0	0	0	0	0	0
700	108	0	113	0	156	0	146	0	0	0	124	0	141	111	133	0	154	104	133	0	141	123	143	0	150	135	0	0	0	0	0	0	0	0
800	105	0	108	0	152	0	160	0	0	0	120	0	142	104	127	0	160	101	130	0	141	119	141	0	152	128	0	0	0	0	0	0	0	0
900	84	0	88	0	115	0	121	0	0	0	123	0	150	90	132	0	178	103	138	0	163	113	149	0	173	129	0	0	0	0	0	0	0	0
1000	79	0	78	0	123	0	129	0	0	0	131	0	179	103	138	0	247	97	146	0	170	118	157	0	174	131	0	0	0	0	0	0	0	0
1100	89	0	88	0	137	0	146	0	0	0	129	0	166	355	135	0	179	32	143	0	165	125	154	0	178	135	0	0	0	0	0	0	0	0
1200	89	0	91	0	130	0	139	0	0	0	124	0	160	86	133	0	193	95	139	0	189	113	151	0	188	127	0	0	0	0	0	0	0	0
1300	94	0	93	0	140	0	148	0	0	0	138	0	209	92	148	0	221	104	145	0	168	109	157	0	180	121	0	0	0	0	0	0	0	0
1400	83	0	83	0	145	0	152	0	0	0	142	0	238	97	148	0	217	90	150	0	183	114	161	0	208	135	0	0	0	0	0	0	0	0
1500	98	0	97	0	159	0	165	0	0	0	134	0	200	91	140	0	211	92	146	0	170	120	157	0	196	129	0	0	0	0	0	0	0	0
1600	76	0	75	0	137	0	143	0	0	0	140	0	220	90	148	0	222	100	150	0	177	118	161	0	193	130	0	0	0	0	0	0	0	0
1700	77	0	76	0	111	0	116	0	0	0	128	0	157	103	134	0	169	54	134	0	155	111	145	0	164	129	0	0	0	0	0	0	0	0
1800	91	0	88	0	127	0	140	0	0	0	119	0	138	99	128	0	165	93	129	0	147	113	139	0	154	119	0	0	0	0	0	0	0	0
1900	94	0	86	0	134	0	144	0	0	0	118	0	137	106	125	0	159	98	123	0	138	115	134	0	149	123	0	0	0	0	0	0	0	0
2000	88	0	88	0	139	0	149	0	0	0	121	0	149	110	129	0	169	105	128	0	143	115	140	0	153	121	0	0	0	0	0	0	0	0
2100	95	0	97	0	143	0	155	0	0	0	124	0	144	109	132	0	160	108	130	0	145	116	142	0	154	131	0	0	0	0	0	0	0	0
2200	102	0	109	0	171	0	179	0	0	0	127	0	146	105	134	0	168	109	138	0	152	124	149	0	159	136	0	0	0	0	0	0	0	0
2300	95	0	97	0	178	0	182	0	0	0	131	0	181	97	139	0	201	104	144	0	173	123	156	0	183	136	0	0	0	0	0	0	0	0
2400	82	0	83	0	163	0	171	0	0	0	135	0	179	99	141	0	176	85	149	0	164	125	160	0	183	141	0	0	0	0	0	0	0	0

HOUR	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	93	0	91	0	91	0	0	0	0	0	1	0	-1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	89	0	88	0	86	0	86	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	84	0	84	0	84	0	84	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	80	0	81	0	80	0	80	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	78	0	78	0	79	0	79	0	0	0	0	0	2	0	1	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	75	0	76	0	77	0	77	0	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	73	0	73	0	74	0	75	0	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	81	0	81	0	77	0	77	0	0	0	0	0	-2	0	-3	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	105	0	107	0	94	0	95	0	0	0	0	0	-8	0	-9	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	143	0	144	0	127	0	127	0	0	0	0	0	-11	0	-12	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	165	0	166	0	149	0	149	0	0	0	0	0	-11	0	-11	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	184	0	184	0	164	0	164	0	0	0	0	0	-13	0	-13	0	-23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	191	0	191	0	172	0	172	0	0	0	0	0	-11	0	-12	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	194	0	196	0	178	0	178	0	0	0	0	0	-11	0	-11	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	197	0	198	0	181	0	181	0	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	191	0	191	0	181	0	181	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	185	0	185	0	175	0	175	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	172	0	171	0	165	0	165	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	158	0	157	0	158	0	157	0	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	151	0	151	0	152	0	152	0	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	143	0	143	0	145	0	145	0	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	139	0	139	0	139	0	139	0	0	0	0	0	3	0	3	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	144	0	144	0	143	0	143	0	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	136	0	136	0	135	0	136	0	0	0	0	0	2	0	2	0	3	0	0	0	0	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 =CALM DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

DIGITAL GRAPHICS INCORPORATED - AE COOK METEOROLOGICAL DATA FOR OCTOBER 14, 1981 PAGE 1OF

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	95	0	93	0	175	0	185	0	0	0	138	0	182	109	144	0	188	91	151	0	165	129	152	0	179	144	0	0	0	0	0	0	0	0
200	96	0	90	0	183	0	189	0	0	0	138	0	186	102	142	0	184	93	153	0	168	132	165	0	183	149	0	0	0	0	0	0	0	0
300	109	0	105	0	185	0	189	0	0	0	142	0	195	93	146	0	214	91	156	0	177	137	168	0	183	156	0	0	0	0	0	0	0	0
400	99	0	97	0	185	0	190	0	0	0	138	0	180	97	146	0	199	110	154	0	166	141	165	0	178	147	0	0	0	0	0	0	0	0
500	108	0	100	0	199	0	201	0	0	0	134	0	172	81	145	0	195	99	155	0	169	132	165	0	183	150	0	0	0	0	0	0	0	0
600	102	0	100	0	189	0	195	0	0	0	139	0	175	104	143	0	220	90	153	0	179	134	164	0	180	131	0	0	0	0	0	0	0	0
700	100	0	95	0	177	0	182	0	0	0	140	0	189	100	146	0	194	98	153	0	168	136	164	0	185	145	0	0	0	0	0	0	0	0
800	81	0	78	0	157	0	148	0	0	0	152	0	219	102	155	0	244	97	167	0	194	133	176	0	194	153	0	0	0	0	0	0	0	0
900	87	0	87	0	173	0	180	0	0	0	132	0	167	96	144	0	198	107	152	0	169	138	163	0	173	145	0	0	0	0	0	0	0	0
1000	82	0	76	0	149	0	154	0	0	0	143	0	178	89	151	0	203	90	159	0	195	147	169	0	184	149	0	0	0	0	0	0	0	0
1100	65	0	61	0	122	0	119	0	0	0	159	0	232	107	165	0	232	108	164	0	221	140	175	0	206	149	0	0	0	0	0	0	0	0
1200	63	0	62	0	128	0	121	0	0	0	158	0	222	94	157	0	234	93	171	0	222	123	180	0	207	161	0	0	0	0	0	0	0	0
1300	74	0	72	0	143	0	145	0	0	0	145	0	210	97	152	0	238	101	159	0	219	126	169	0	218	150	0	0	0	0	0	0	0	0
1400	46	0	42	0	98	0	94	0	0	0	155	0	224	96	165	0	255	93	170	0	223	144	180	0	213	155	0	0	0	0	0	0	0	0
1500	70	0	69	0	149	0	155	0	0	0	181	0	248	92	185	0	269	115	184	0	217	141	192	0	216	155	0	0	0	0	0	0	0	0
1600	82	0	73	0	158	0	157	0	0	0	188	0	225	108	174	0	254	115	176	0	211	141	188	0	207	159	0	0	0	0	0	0	0	0
1700	82	0	80	0	159	0	166	0	0	0	151	0	208	97	156	0	204	104	161	0	198	137	171	0	210	144	0	0	0	0	0	0	0	0
1800	67	0	63	0	131	0	126	0	0	0	150	0	224	91	157	0	221	107	169	0	212	141	179	0	209	155	0	0	0	0	0	0	0	0
1900	36	0	34	0	166	0	166	0	0	0	149	0	198	95	159	0	238	104	161	0	207	142	171	0	195	139	0	0	0	0	0	0	0	0
2000	71	0	64	0	138	0	136	0	0	0	164	0	238	100	166	0	239	90	175	0	207	148	184	0	223	150	0	0	0	0	0	0	0	0
2100	54	0	47	0	118	0	100	0	0	0	187	0	259	92	194	0	262	93	189	0	232	149	198	0	236	168	0	0	0	0	0	0	0	0
2200	76	0	59	0	137	0	120	0	0	0	202	0	267	98	206	0	263	113	198	0	228	152	207	0	239	164	0	0	0	0	0	0	0	0
2300	71	0	58	0	123	0	108	0	0	0	208	0	250	159	210	0	267	108	201	0	243	164	210	0	245	187	0	0	0	0	0	0	0	0
2400	45	0	37	0	92	0	78	0	0	0	199	0	262	125	202	0	257	130	196	0	231	137	206	0	235	173	0	0	0	0	0	0	0	0

HOUR	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	133	0	133	0	132	0	132	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	133	0	133	0	132	0	133	0	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	137	0	137	0	134	0	134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	132	0	132	0	129	0	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	129	0	130	0	127	0	127	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	127	0	127	0	125	0	125	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	126	0	127	0	123	0	123	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	127	0	127	0	121	0	121	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	109	0	109	0	108	0	109	0	0	0	0	0	3	0	2	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	104	0	104	0	103	0	103	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	99	0	99	0	94	0	95	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	101	0	102	0	96	0	96	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	107	0	107	0	99	0	100	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	112	0	112	0	104	0	104	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	117	0	117	0	109	0	109	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	117	0	118	0	112	0	112	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	115	0	116	0	109	0	109	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	111	0	111	0	108	0	108	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	113	0	112	0	110	0	110	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	114	0	114	0	112	0	112	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	116	0	116	0	114	0	114	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	120	0	121	0	118	0	118	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	121	0	124	0	120	0	120	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	121	0	121	0	117	0	117	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 180A	S	WIND SPD4 180B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 180A	S	MAX	MIN	WIND DIR4 180B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	52	0	40	0	105	0	92	0	0	0	204	0	254	124	207	0	263	90	200	0	221	168	209	0	229	179	0	0	0	0	0	0	0	0
200	59	0	51	0	94	0	91	0	0	0	220	0	256	164	228	0	289	180	218	0	244	193	223	0	240	200	0	0	0	0	0	0	0	0
300	66	0	57	0	102	0	105	0	0	0	225	0	271	192	231	0	275	182	222	0	251	193	230	0	254	209	0	0	0	0	0	0	0	0
400	79	0	71	0	111	0	116	0	0	0	232	0	275	184	237	0	280	197	227	0	253	197	234	0	258	207	0	0	0	0	0	0	0	0
500	89	0	86	0	102	0	104	0	0	0	244	0	284	211	245	0	294	198	235	0	259	208	241	0	260	196	0	0	0	0	0	0	0	0
600	44	0	36	0	77	0	71	0	0	0	211	0	267	135	218	0	281	164	207	0	231	182	218	0	239	185	0	0	0	0	0	0	0	0
700	90	0	88	0	129	0	139	0	0	0	249	0	279	213	253	0	312	207	249	0	270	237	254	0	273	228	0	0	0	0	0	0	0	0
800	98	0	0	2	130	0	0	2	0	2	250	0	0	0	0	2	0	0	250	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
900	102	0	0	2	116	0	0	2	0	2	245	0	0	0	0	2	0	0	240	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1000	85	0	0	2	105	0	0	2	0	2	248	0	0	0	0	2	0	0	245	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1100	80	0	0	2	98	0	0	2	0	2	250	0	0	0	0	2	0	0	240	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1200	96	0	95	0	121	0	130	0	0	0	246	0	286	215	247	0	274	193	247	0	256	237	253	0	262	242	0	0	0	0	0	0	0	0
1300	90	0	0	2	115	0	0	2	0	0	248	0	0	0	0	2	0	0	245	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
1400	104	0	103	0	129	0	137	0	0	0	265	0	296	240	267	0	298	228	272	0	294	247	277	0	300	261	0	0	0	0	0	0	0	0
1500	76	0	72	0	128	0	133	0	0	0	0	0	77	271	357	0	81	283	357	0	26	323	1	0	42	330	0	0	0	0	0	0	0	0
1600	67	0	65	0	116	0	112	0	0	0	19	0	72	316	15	0	67	315	5	0	32	326	7	0	39	337	0	0	0	0	0	0	0	0
1700	49	0	46	0	77	0	79	0	0	0	19	0	101	296	15	0	75	280	4	0	34	278	7	0	59	315	0	0	0	0	0	0	0	0
1800	65	0	64	0	89	0	90	0	0	0	30	0	59	1	29	0	63	6	27	0	43	7	31	0	49	10	0	0	0	0	0	0	0	0
1900	47	0	51	0	65	0	77	0	0	0	49	0	83	21	59	0	107	15	53	0	77	27	58	0	73	39	0	0	0	0	0	0	0	0
2000	52	0	50	0	77	0	81	0	0	0	85	0	106	68	88	0	115	86	73	0	77	61	79	0	86	68	0	0	0	0	0	0	0	0
2100	53	0	52	0	65	0	76	0	0	0	75	0	85	61	77	0	97	61	68	0	77	57	74	0	82	65	0	0	0	0	0	0	0	0
2200	41	0	49	0	68	0	78	0	0	0	68	0	73	60	70	0	81	61	55	0	63	49	63	0	68	55	0	0	0	0	0	0	0	0
2300	43	0	42	0	57	0	70	0	0	0	75	0	81	70	78	0	86	72	48	0	53	43	52	0	58	48	0	0	0	0	0	0	0	0
2400	48	0	46	0	74	0	85	0	0	0	77	0	90	70	79	0	102	64	54	0	63	51	61	0	69	58	0	0	0	0	0	0	0	0

HOUR	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	119	0	119	0	116	0	116	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	118	0	116	0	114	0	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	114	0	114	0	111	0	111	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	119	0	118	0	113	0	113	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	121	0	121	0	115	0	115	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	113	0	119	0	113	0	113	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	121	0	121	0	115	0	115	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	123	0	0	2	0	2	0	2	0	2	0	2	-4	0	0	2	-7	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	130	0	0	2	0	2	0	2	0	2	0	2	-5	0	0	2	-9	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	130	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	131	0	0	2	0	2	0	2	0	2	0	2	-6	0	0	2	-10	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	134	0	134	0	126	0	126	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	134	0	133	2	128	2	128	2	0	0	0	0	-8	0	-8	2	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1400	137	0	138	0	133	0	133	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	123	0	122	0	116	0	116	0	0	0	0	0	-5	0	-5	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	115	0	115	0	110	0	110	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	115	0	115	0	111	0	111	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	113	0	113	0	107	0	107	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	110	0	109	0	105	0	105	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	95	0	97	0	99	0	100	0	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	91	0	90	0	99	0	99	0	0	0	0	0	9	0	9	0	15	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	84	0	84	0	99	0	99	0	0	0	0	0	16	0	16	0	28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	85	0	85	0	101	0	101	0	0	0	0	0	17	0	17	0	30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	78	0	78	0	104	0	104	0	0	0	0	0	27	0	27	0	48	0	0	0	0	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

HOUR	WIND SPD1 50 A S		WIND SPD2 50 B S		WIND SPD3 150A S		WIND SPD4 150B S		WIND SPD5 S		WIND DIR1 50 A S		MAX	MIN	WIND DIR2 50 B S		MAX	MIN	WIND DIR3 150A S		MAX	MIN	WIND DIR4 150B S		MAX	MIN	WIND DIR5 S		MAX	MIN	WIND DIR6 S		MAX	MIN
100	60	0	55	0	88	0	100	0	0	0	80	3	86	71	81	0	98	69	87	0	74	63	73	0	79	67	0	0	0	0	0	0	0	0
200	50	0	46	0	76	0	83	0	0	0	81	0	86	75	83	0	89	75	56	0	59	51	63	0	65	59	0	0	0	0	0	0	0	0
300	57	0	56	0	107	0	107	0	0	0	74	0	88	68	77	0	91	61	74	0	77	70	80	0	83	76	0	0	0	0	0	0	0	0
400	61	0	57	0	98	0	97	0	0	0	85	0	98	76	88	0	108	68	88	0	92	85	95	0	98	91	0	0	0	0	0	0	0	0
500	66	0	63	0	107	0	107	0	0	0	84	0	101	70	87	0	114	71	90	0	94	87	98	0	103	94	0	0	0	0	0	0	0	0
600	72	0	67	0	110	0	114	0	0	0	117	0	120	114	125	0	136	115	121	0	122	119	131	0	131	128	0	0	0	0	0	0	0	0
700	79	0	79	0	125	0	130	0	0	0	128	0	132	122	131	0	137	129	124	0	126	122	134	0	135	131	0	0	0	0	0	0	0	0
800	55	0	57	0	115	0	119	0	0	0	129	0	140	112	135	0	154	114	130	0	132	126	139	0	141	138	0	0	0	0	0	0	0	0
900	59	0	58	0	93	0	101	0	0	0	120	0	150	90	127	0	161	87	142	0	160	126	152	0	170	132	0	0	0	0	0	0	0	0
1000	63	0	61	0	87	0	73	0	0	0	115	0	148	92	123	0	165	88	129	0	151	111	139	0	159	116	0	0	0	0	0	0	0	0
1100	41	0	41	0	42	0	47	0	0	0	108	0	164	49	114	0	154	56	112	0	176	58	120	0	176	65	0	0	0	0	0	0	0	0
1200	35	0	36	0	42	0	45	0	0	0	95	0	150	4	97	0	160	8	103	0	155	22	114	0	173	33	0	0	0	0	0	0	0	0
1300	58	0	55	0	71	0	75	0	0	0	298	0	334	245	294	0	336	238	311	0	347	286	312	0	337	289	0	0	0	0	0	0	0	0
1400	61	0	60	0	75	0	79	0	0	0	327	0	138	278	319	0	358	261	330	0	4	297	329	0	357	243	0	0	0	0	0	0	0	0
1500	74	0	73	0	82	0	83	0	0	0	333	0	22	298	331	0	18	273	337	0	10	301	337	0	2	309	0	0	0	0	0	0	0	0
1600	48	0	46	0	67	0	68	0	0	0	2	0	61	293	8	0	107	295	1	0	52	299	4	0	58	319	0	0	0	0	0	0	0	0
1700	50	0	48	0	61	0	62	0	0	0	25	0	68	347	24	0	64	309	12	0	36	327	15	0	50	315	0	0	0	0	0	0	0	0
1800	44	0	43	0	64	0	64	0	0	0	38	0	58	26	39	0	62	19	32	0	39	24	36	0	44	30	0	0	0	0	0	0	0	0
1900	39	0	45	0	57	0	68	0	0	0	70	0	76	63	71	0	84	58	59	0	64	52	65	0	70	60	0	0	0	0	0	0	0	0
2000	66	0	64	0	82	0	85	0	0	0	96	0	103	90	99	0	116	80	82	0	87	78	89	0	94	86	0	0	0	0	0	0	0	0
2100	81	0	78	0	113	0	114	0	0	0	109	0	114	104	115	0	127	106	95	0	100	93	103	0	107	101	0	0	0	0	0	0	0	0
2200	80	0	77	0	124	0	126	0	0	0	115	0	120	111	122	0	137	109	105	0	106	104	114	0	114	113	0	0	0	0	0	0	0	0
2300	90	0	85	0	141	0	144	0	0	0	111	0	116	107	117	0	131	103	104	0	110	102	113	0	117	111	0	0	0	0	0	0	0	0
2400	75	0	77	0	138	0	144	0	0	0	132	0	151	122	138	0	155	119	130	0	134	122	139	0	143	131	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A S		AMB. TEM2 30 B S		AMB. TEM3 150A S		AMB. TEM4 150B S		AMB. TEM5 S		AMB. TEMPA S		D.T. 1 150A S		D.T. 2 150B 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	84	0	85	0	99	0	99	0	0	0	0	0	16	0	15	0	28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
200	80	0	81	0	103	0	103	0	0	0	0	0	24	0	23	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
300	64	0	65	0	92	0	92	0	0	0	0	0	28	0	27	0	50	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
400	64	0	65	0	84	0	84	0	0	0	0	0	19	0	19	0	34	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
500	55	0	55	0	78	0	78	0	0	0	0	0	23	0	23	0	41	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
600	51	0	52	0	76	0	77	0	0	0	0	0	25	0	25	0	45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
700	54	0	54	0	79	0	79	0	0	0	0	0	25	0	25	0	45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
800	54	0	54	0	72	0	72	0	0	0	0	0	18	0	18	0	32	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
900	80	0	82	0	74	0	74	0	0	0	0	0	-5	0	-6	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	103	0	104	0	92	0	92	0	0	0	0	0	-11	0	-11	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	122	0	122	0	110	0	111	0	0	0	0	0	-11	0	-11	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	142	0	142	0	120	0	121	0	0	0	0	0	-20	0	-20	0	-38	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	136	0	137	0	113	0	114	0	0	0	0	0	-22	0	-23	0	-39	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	134	0	135	0	114	0	115	0	0	0	0	0	-19	0	-19	0	-34	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	130	0	131	0	114	0	115	0	0	0	0	0	-14	0	-15	0	-25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	130	0	130	0	116	0	116	0	0	0	0	0	-12	0	-13	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	122	0	121	0	113	0	113	0	0	0	0	0	-8	0	-7	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	103	0	103	0	105	0	105	0	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	79	0	78	0	105	0	105	0	0	0	0	0	25	0	27	0	45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	90	0	91	0	101	0	102	0	0	0	0	0	12	0	11	0	21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	82	0	82	0	101	0	101	0	0	0	0	0	20	0	20	0	36	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	76	0	76	0	101	0	101	0	0	0	0	0	25	0	25	0	45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	70	0	70	0	98	0	98	0	0	0	0	0	29	0	28	0	50	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	68	0	66	0	97	0	97	0	0	0	0	0	31	0	31	0	55	0	0	0	0	2	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 = CALM DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	62	0	59	0	138	0	144	0	0	0	132	0	156	117	141	0	163	116	153	0	156	149	162	0	166	159	0	0	0	0	0	0	0	0
200	70	0	65	0	173	0	159	0	0	0	142	0	165	119	145	0	181	107	169	0	173	152	174	0	180	176	0	0	0	0	0	0	0	0
300	72	0	66	0	189	0	194	0	0	0	137	0	181	107	142	0	193	99	164	0	171	154	174	0	179	163	0	0	0	0	0	0	0	0
400	80	0	74	0	192	0	199	0	0	0	130	0	185	110	147	0	188	109	162	0	170	153	172	0	179	165	0	0	0	0	0	0	0	0
500	88	0	83	0	189	0	193	0	0	0	137	0	174	96	143	0	187	97	157	0	170	143	159	0	181	154	0	0	0	0	0	0	0	0
600	95	0	98	0	198	0	207	0	0	0	131	0	163	101	141	0	198	103	153	0	165	137	164	0	175	150	0	0	0	0	0	0	0	0
700	100	0	99	0	197	0	201	0	0	0	136	0	172	87	142	0	227	97	155	0	173	142	166	0	187	149	0	0	0	0	0	0	0	0
800	129	0	138	0	225	0	231	0	0	0	146	0	292	105	150	0	194	99	157	0	182	138	168	0	191	147	0	0	0	0	0	0	0	0
900	111	0	111	0	190	0	193	0	0	0	139	0	166	79	146	0	187	93	154	0	179	125	165	0	191	136	0	0	0	0	0	0	0	0
1000	115	0	111	0	194	0	199	0	0	0	142	0	192	94	153	0	232	102	157	0	185	127	167	0	194	140	0	0	0	0	0	0	0	0
1100	129	0	126	0	214	0	221	0	0	0	142	0	175	97	148	0	199	98	153	0	175	126	164	0	189	145	0	0	0	0	0	0	0	0
1200	124	0	121	0	219	0	222	0	0	0	139	0	187	92	147	0	227	94	150	0	186	131	161	0	177	145	0	0	0	0	0	0	0	0
1300	110	0	116	0	201	0	208	0	0	0	137	0	169	101	146	0	193	99	150	0	176	135	162	0	182	143	0	0	0	0	0	0	0	0
1400	113	0	117	0	217	0	218	0	0	0	139	0	173	98	147	0	200	95	155	0	220	137	166	0	198	147	0	0	0	0	0	0	0	0
1500	118	0	121	0	209	0	211	0	0	0	142	0	186	102	148	0	209	98	157	0	181	139	166	0	190	145	0	0	0	0	0	0	0	0
1600	106	0	109	0	210	0	199	0	0	0	152	0	241	95	158	0	219	101	165	0	196	142	176	0	210	155	0	0	0	0	0	0	0	0
1700	101	0	98	0	182	0	176	0	0	0	157	0	259	104	161	0	244	98	165	0	201	142	175	0	200	152	0	0	0	0	0	0	0	0
1800	111	0	105	0	209	0	194	0	0	0	163	0	235	97	166	0	240	97	167	0	193	141	180	0	199	157	0	0	0	0	0	0	0	0
1900	105	0	101	0	201	0	187	0	0	0	160	0	230	95	167	0	265	104	174	0	211	115	182	0	190	151	0	0	0	0	0	0	0	0
2000	103	0	95	0	193	0	185	0	0	0	171	0	211	101	178	0	262	105	179	0	216	144	187	0	221	148	0	0	0	0	0	0	0	0
2100	90	0	80	0	183	0	193	0	0	0	177	0	261	133	177	0	240	109	182	0	210	144	190	0	214	150	0	0	0	0	0	0	0	0
2200	94	0	86	0	182	0	181	0	0	0	175	0	258	105	178	0	265	94	185	0	213	153	192	0	221	153	0	0	0	0	0	0	0	0
2300	161	0	150	0	253	0	255	0	0	0	232	0	270	191	238	0	278	189	222	0	253	191	227	0	260	194	0	0	0	0	0	0	0	0
2400	152	0	150	0	234	0	247	0	0	0	241	0	271	212	245	0	319	211	237	0	252	219	242	0	260	210	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMPA	S	D.T. 1 150A	S	D.T. 2 150B	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	61	0	62	0	104	0	104	0	0	0	0	0	42	0	42	0	75	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	60	0	60	0	97	0	97	0	0	0	0	0	37	0	37	0	66	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	59	0	59	0	89	0	90	0	0	0	0	0	31	0	31	0	55	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	61	0	62	0	84	0	84	0	0	0	0	0	22	0	22	0	39	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	68	0	68	0	75	0	75	0	0	0	0	0	9	0	9	0	18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	62	0	62	0	69	0	69	0	0	0	0	0	8	0	8	0	14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	66	0	66	0	70	0	70	0	0	0	0	0	5	0	5	0	9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	78	0	79	0	73	0	73	0	0	0	0	0	-4	0	-5	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	95	0	96	0	87	0	87	0	0	0	0	0	-8	0	-9	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	110	0	110	0	101	0	101	0	0	0	0	0	-8	0	-8	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	103	0	102	0	96	0	96	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	110	0	110	0	103	0	103	0	0	0	0	0	-6	0	-7	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	104	0	105	0	102	0	101	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	108	0	108	0	106	0	105	0	0	0	0	0	-1	0	-2	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	116	0	116	0	113	0	113	0	0	0	0	0	-2	0	-3	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	124	0	126	0	123	0	123	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	131	0	132	0	128	0	128	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	135	0	136	0	134	0	134	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	141	0	142	0	140	0	140	0	0	0	0	0	-1	0	-2	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	153	0	153	0	150	0	150	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	155	0	156	0	154	0	154	0	0	0	0	0	1	0	-1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	164	0	164	0	162	0	162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	150	0	149	0	144	0	144	0	0	0	0	0	-2	0	1	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	142	0	142	0	139	0	140	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	175	0	172	0	274	0	289	0	0	0	250	0	272	225	3[illegible]	0	290	222	252	0	267	234	255	0	269	245	0	0	0	0	0	0	0	0
200	295	0	303	0	382	0	402	0	0	0	265	0	280	242	26	0	296	219	265	0	288	249	269	0	288	249	0	0	0	0	0	0	0	0
300	393	0	408	0	447	0	466	0	0	0	268	0	281	253	269	0	290	249	288	0	279	254	271	0	283	259	0	0	0	0	0	0	0	0
400	350	0	356	0	402	0	413	0	0	0	288	0	291	247	267	0	291	238	273	0	316	254	274	0	294	244	0	0	0	0	0	0	0	0
500	309	0	310	0	401	0	493	0	0	0	285	0	284	240	268	0	296	241	282	0	281	236	285	0	282	215	0	0	0	0	0	0	0	0
600	289	0	285	0	398	0	416	0	0	0	257	0	280	212	259	0	300	222	258	0	283	234	262	0	285	245	0	0	0	0	0	0	0	0
700	330	0	313	0	456	0	479	0	0	0	265	0	285	227	268	0	317	219	262	0	284	240	266	0	280	243	0	0	0	0	0	0	0	0
800	423	0	428	0	480	0	501	0	0	0	287	0	282	251	268	0	297	239	289	0	285	257	272	0	288	247	0	0	0	0	0	0	0	0
900	308	0	308	0	449	0	470	0	0	0	251	0	284	232	263	0	296	222	251	0	279	232	264	0	279	235	0	0	0	0	0	0	0	0
1000	410	0	415	0	475	0	492	0	0	0	285	0	290	247	268	0	292	234	266	0	288	260	271	0	290	263	0	0	0	0	0	0	0	0
1100	383	0	389	0	427	0	440	0	0	0	269	0	296	252	268	0	297	239	274	0	308	253	278	0	341	245	0	0	0	0	0	0	0	0
1200	328	0	309	0	407	0	497	0	0	0	291	0	312	262	288	0	310	239	295	0	318	217	298	0	308	259	0	0	0	0	0	0	0	0
1300	321	0	273	0	445	0	496	0	0	0	297	0	325	267	297	0	325	259	303	0	316	279	303	0	318	288	0	0	0	0	0	0	0	0
1400	343	0	327	0	454	0	486	0	0	0	296	0	318	267	295	0	333	258	303	0	320	281	303	0	318	289	0	0	0	0	0	0	0	0
1500	331	0	327	0	431	0	442	0	0	0	299	0	315	278	294	0	322	250	307	0	318	291	307	0	319	290	0	0	0	0	0	0	0	0
1600	355	0	341	0	456	0	486	0	0	0	304	0	316	291	303	0	325	272	311	0	318	302	310	0	317	301	0	0	0	0	0	0	0	0
1700	374	0	365	0	475	0	486	0	0	0	302	0	328	284	299	0	333	268	309	0	321	302	308	0	320	300	0	0	0	0	0	0	0	0
1800	368	0	369	0	468	0	475	0	0	0	306	0	325	289	304	0	348	264	312	0	322	304	311	0	321	301	0	0	0	0	0	0	0	0
1900	341	0	333	0	459	0	486	0	0	0	306	0	321	284	303	0	335	268	314	0	325	300	313	0	324	297	0	0	0	0	0	0	0	0
2000	285	0	283	0	405	0	410	0	0	0	312	0	332	290	310	0	345	264	321	0	358	300	322	0	4	307	0	0	0	0	0	0	0	0
2100	263	0	254	0	374	0	376	0	0	0	314	0	340	293	312	0	355	273	322	0	345	306	322	0	343	310	0	0	0	0	0	0	0	0
2200	240	0	245	0	348	0	340	0	0	0	313	0	342	287	311	0	347	278	322	0	5	307	323	0	11	307	0	0	0	0	0	0	0	0
2300	242	0	233	0	351	0	348	0	0	0	315	0	343	289	315	0	0	278	323	0	346	299	324	0	344	302	0	0	0	0	0	0	0	0
2400	225	0	226	0	319	0	320	0	0	0	315	0	345	292	312	0	6	271	322	0	343	306	322	0	346	306	0	0	0	0	0	0	0	0

HOUR	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	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN	S
100	139	0	140	0	137	0	137	0	0	0	0	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	137	0	137	0	134	0	135	0	0	0	0	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	116	0	116	0	111	0	111	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	107	0	107	0	102	0	102	0	0	0	0	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	104	0	104	0	99	0	99	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	97	0	97	0	92	0	92	0	0	0	0	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	93	0	93	0	88	0	88	0	0	0	0	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	87	0	87	0	83	0	83	0	0	0	0	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	89	0	89	0	84	0	84	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	86	0	86	0	80	0	80	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	85	0	85	0	79	0	80	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	68	0	68	0	62	0	61	0	0	0	0	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	55	0	54	0	49	0	49	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	58	0	56	0	52	0	52	0	0	0	0	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	57	0	57	0	54	0	54	0	0	0	0	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	69	0	69	0	62	0	62	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	58	0	57	0	50	0	51	0	0	0	0	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	66	0	66	0	60	0	60	0	0	0	0	0	-8	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	65	0	65	0	59	0	59	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	62	0	62	0	56	0	56	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	60	0	60	0	55	0	55	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	53	0	54	0	48	0	48	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	50	0	50	0	44	0	44	0	0	0	0	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	47	0	47	0	41	0	41	0	0	0	0	0	-5	0	-9	0	0	0	0	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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	73	0	69	0	119	0	119	0	0	0	91	0	111	71	95	0	140	70	88	0	97	80	94	0	104	84	0	0	0	0	0	0	0	0
200	77	0	75	0	129	0	130	0	0	0	96	0	121	74	98	0	125	73	92	0	102	79	98	0	106	76	0	0	0	0	0	0	0	0
300	62	0	66	0	95	0	108	0	0	0	73	0	89	57	73	0	116	29	69	0	80	53	74	0	86	57	0	0	0	0	0	0	0	0
400	84	0	83	0	109	0	116	0	0	0	85	0	114	54	89	0	137	58	78	0	123	40	83	0	120	48	0	0	0	0	0	0	0	0
500	91	0	93	0	125	0	133	0	0	0	89	0	113	53	82	0	124	39	78	0	106	60	84	0	99	67	0	0	0	0	0	0	0	0
600	103	0	99	0	140	0	141	0	0	0	91	0	120	70	92	0	137	52	84	0	107	66	90	0	110	73	0	0	0	0	0	0	0	0
700	113	0	115	0	150	0	153	0	0	0	85	0	112	65	87	0	116	41	79	0	97	57	85	0	110	65	0	0	0	0	0	0	0	0
800	117	0	113	0	157	0	156	0	0	0	89	0	118	63	88	0	128	48	84	0	112	58	90	0	120	63	0	0	0	0	0	0	0	0
900	83	0	86	0	113	0	129	0	0	0	76	0	99	39	74	0	121	24	68	0	102	38	74	0	99	47	0	0	0	0	0	0	0	0
1000	99	0	100	0	135	0	141	0	0	0	93	0	132	55	84	0	138	39	76	0	98	49	81	0	108	62	0	0	0	0	0	0	0	0
1100	89	0	88	0	117	0	125	0	0	0	81	0	102	52	82	0	119	42	75	0	99	50	81	0	106	56	0	0	0	0	0	0	0	0
1200	95	0	101	0	123	0	132	0	0	0	78	0	107	48	78	0	112	35	74	0	100	52	80	0	109	54	0	0	0	0	0	0	0	0
1300	74	0	74	0	94	0	101	0	0	0	56	0	100	0	55	0	110	2	53	0	94	354	58	0	93	6	0	0	0	0	0	0	0	0
1400	87	0	90	0	108	0	120	0	0	0	49	0	94	14	45	0	92	9	45	0	70	15	50	0	76	28	0	0	0	0	0	0	0	0
1500	103	0	107	0	133	0	140	0	0	0	42	0	75	8	39	0	79	9	39	0	60	10	42	0	68	14	0	0	0	0	0	0	0	0
1600	117	0	127	0	157	0	175	0	0	0	60	0	94	24	61	0	118	17	55	0	88	23	61	0	93	24	0	0	0	0	0	0	0	0
1700	105	0	111	0	133	0	154	0	0	0	75	0	115	41	76	0	129	35	68	0	99	50	75	0	110	51	0	0	0	0	0	0	0	0
1800	81	0	82	0	113	0	128	0	0	0	79	0	105	57	82	0	120	41	69	0	93	44	77	0	101	51	0	0	0	0	0	0	0	0
1900	91	0	94	0	122	0	128	0	0	0	94	0	122	68	96	0	128	61	88	0	111	80	95	0	109	79	0	0	0	0	0	0	0	0
2000	89	0	86	0	127	0	137	0	0	0	97	0	120	69	100	0	131	52	91	0	114	75	99	0	117	79	0	0	0	0	0	0	0	0
2100	40	0	47	0	61	0	70	0	0	0	61	0	100	22	61	0	119	6	86	0	94	26	72	0	90	34	0	0	0	0	0	0	0	0
2200	51	0	55	0	73	0	81	0	0	0	49	0	79	21	65	0	107	2	45	0	64	30	50	0	72	11	0	0	0	0	0	0	0	0
2300	52	0	51	0	67	0	69	0	0	0	35	0	78	6	33	0	95	2	35	0	63	16	39	0	72	20	0	0	0	0	0	0	0	0
2400	48	0	50	0	62	0	71	0	0	0	51	0	87	25	49	0	96	16	47	0	71	27	54	0	73	35	0	0	0	0	0	0	0	0

HOUR	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	95	0	98	0	98	0	98	0	0	0	0	0	3	0	3	0	5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	98	0	98	0	100	0	100	0	0	0	0	0	3	0	3	0	5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	98	0	98	0	98	0	98	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	94	0	94	0	89	0	89	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	84	0	85	0	81	0	81	0	0	0	0	0	-5	0	-5	0	-5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	79	0	80	0	74	0	75	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	75	0	76	0	70	0	70	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	71	0	71	0	66	0	66	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	68	0	68	0	63	0	62	0	0	0	0	0	-5	0	-5	0	-9	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	58	0	58	0	55	0	55	0	0	0	0	0	-3	0	-3	0	-9	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	54	0	55	0	51	0	51	0	0	0	0	0	-3	0	-3	0	-5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	60	0	60	0	53	0	53	0	0	0	0	0	-5	0	-7	0	-10	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	55	0	55	0	51	0	51	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	49	0	49	0	45	0	45	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	47	0	47	0	43	0	43	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	37	0	37	0	33	0	33	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	31	0	31	0	27	0	27	0	0	0	0	0	-4	0	-3	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	26	0	25	0	22	0	22	0	0	0	0	0	-3	0	-3	0	-5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	23	0	24	0	19	0	19	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	23	0	24	0	20	0	20	0	0	0	0	0	-3	0	-3	0	-5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	24	0	25	0	20	0	20	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	24	0	24	0	19	0	19	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	25	0	25	0	20	0	20	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	25	0	25	0	19	0	20	0	0	0	0	0	-4	0	-4	0	-7	0	0	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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	69	0	61	0	97	0	98	0	0	0	91	0	109	87	93	0	119	67	82	0	94	73	84	0	108	80	0	0	0	0	0	0	0	0
200	70	0	72	0	113	0	120	0	0	0	78	0	94	53	77	0	107	50	73	0	85	62	78	0	90	62	0	0	0	0	0	0	0	0
300	87	0	85	0	140	0	148	0	0	0	87	0	104	73	89	0	123	58	81	0	86	76	88	0	96	81	0	0	0	0	0	0	0	0
400	85	0	85	0	141	0	148	0	0	0	83	0	102	69	86	0	108	67	80	0	86	74	[illegible]		92	82	0	0	0	0	0	0	0	0
500	101	0	97	0	167	0	165	0	0	0	90	0	111	70	91	0	121	61	85	0	91	78	92	0	98	85	0	0	0	0	0	0	0	0
600	92	0	91	0	160	0	161	0	0	0	91	0	106	77	93	0	126	67	84	0	93	80	91	0	101	86	0	0	0	0	0	0	0	0
700	92	0	92	0	142	0	147	0	0	0	86	0	106	67	87	0	123	52	76	0	101	58	84	0	100	57	0	0	0	0	0	0	0	0
800	92	0	92	0	145	0	148	0	0	0	90	0	116	61	91	0	129	39	84	0	111	65	91	0	115	78	0	0	0	0	0	0	0	0
900	94	0	93	0	119	0	155	0	0	0	85	0	121	58	87	0	126	54	85	0	114	61	91	0	133	69	0	0	0	0	0	0	0	0
1000	92	0	93	0	107	0	115	0	0	0	81	0	127	51	84	0	140	54	81	0	111	59	88	0	114	67	0	0	0	0	0	0	0	0
1100	90	0	90	0	114	0	118	0	0	0	82	0	122	38	81	0	121	24	79	0	108	31	87	0	120	63	0	0	0	0	0	0	0	0
1200	104	0	109	0	123	0	130	0	0	0	82	0	115	50	84	0	115	49	77	0	100	59	85	0	111	64	0	0	0	0	0	0	0	0
1300	74	0	75	0	92	0	102	0	0	0	79	0	103	50	79	0	131	44	72	0	103	43	79	0	118	55	0	0	0	0	0	0	0	0
1400	56	0	58	0	60	0	70	0	0	0	64	0	91	36	62	0	100	18	63	0	95	33	69	0	97	31	0	0	0	0	0	0	0	0
1500	66	0	74	0	87	0	100	0	0	0	63	0	92	22	60	0	102	12	53	0	78	21	59	0	81	28	0	0	0	0	0	0	0	0
1600	53	0	59	0	67	0	79	0	0	0	55	0	90	23	57	0	106	20	49	0	94	22	56	0	91	4	0	0	0	0	0	0	0	0
1700	56	0	62	0	76	0	83	0	0	0	47	0	79	7	45	0	107	6	39	0	67	13	44	0	71	21	0	0	0	0	0	0	0	0
1800	78	0	75	0	98	0	98	0	0	0	30	0	54	9	27	0	51	351	27	0	49	6	31	0	50	16	0	0	0	0	0	0	0	0
1900	64	0	66	0	84	0	89	0	0	0	44	0	78	10	40	0	85	10	39	0	68	17	43	0	77	15	0	0	0	0	0	0	0	0
2000	87	0	85	0	104	0	108	0	0	0	39	0	68	18	38	0	75	2	36	0	60	16	43	0	75	22	0	0	0	0	0	0	0	0
2100	57	0	59	0	88	0	96	0	0	0	50	0	93	20	49	0	90	13	44	0	71	10	48	0	81	20	0	0	0	0	0	0	0	0
2200	58	0	59	0	83	0	87	0	0	0	46	0	74	23	42	0	87	11	41	0	67	18	44	0	67	10	0	0	0	0	0	0	0	0
2300	55	0	56	0	78	0	85	0	0	0	44	0	113	54	44	0	123	36	73	0	83	57	80	0	92	62	0	0	0	0	0	0	0	0
2400	68	0	67	0	91	0	97	0	0	0	36	0	77	17	33	0	89	4	42	0	74	21	48	0	81	30	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMPA	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	48	0	48	0	48	0	48	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	48	0	49	0	52	0	52	0	0	0	0	0	4	0	3	0	7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	43	0	44	0	53	0	53	0	0	0	0	0	10	0	10	0	18	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	39	0	39	0	53	0	55	0	0	0	0	0	16	0	16	0	28	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	34	0	34	0	44	0	44	0	0	0	0	0	11	0	11	0	19	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	31	0	32	0	40	0	40	0	0	0	0	0	10	0	9	0	18	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	37	0	37	0	39	0	39	0	0	0	0	0	3	0	3	0	5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	41	0	41	0	39	0	39	0	0	0	0	0	-1	0	-2	0	-1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	72	0	72	0	61	0	60	0	0	0	0	0	-11	0	-11	0	-19	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	77	0	78	0	69	0	69	0	0	0	0	0	-7	0	-7	0	-12	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	81	0	82	0	73	0	73	0	0	0	0	0	-8	0	-8	0	-14	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	86	0	87	0	77	0	78	0	0	0	0	0	-9	0	-9	0	-15	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	100	0	100	0	91	0	91	0	0	0	0	0	-9	0	-9	0	-15	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	99	0	99	0	93	0	93	0	0	0	0	0	-6	0	-6	0	-10	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	102	0	103	0	95	0	95	0	0	0	0	0	-7	0	-7	0	-12	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	101	0	101	0	96	0	96	0	0	0	0	0	-5	0	-5	0	-9	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	98	0	98	0	92	0	92	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	95	0	95	0	90	0	90	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	89	0	89	0	84	0	84	0	0	0	0	0	-5	0	-5	0	-9	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	84	0	84	0	79	0	79	0	0	0	0	0	-5	0	-5	0	-9	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	79	0	80	0	75	0	75	0	0	0	0	0	-4	0	-4	0	-7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	77	0	78	0	74	0	74	0	0	0	0	0	-3	0	-3	0	-5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	77	0	77	0	74	0	74	0	0	0	0	0	-2	0	-2	0	-3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	76	0	77	0	74	0	74	0	0	0	0	0	-2	0	-2	0	-3	0	0	2	0	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
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 180A	S	WIND SPD4 180B	S	WIND SPD5	S	WIND DIR1	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 180A	S	MAX	MIN	WIND DIR4 180B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	44	0	46	0	61	0	71	0	0	0	49	0	91	13	46	0	98	3	49	0	71	16	54	0	79	19	0	0	0	0	0	0	0	0
200	100	0	97	0	136	0	135	0	0	0	26	0	64	5	22	0	57	354	16	0	33	1	20	0	35	5	0	0	0	0	0	0	0	0
300	77	0	74	0	105	0	106	0	0	0	30	0	64	2	28	0	58	3	22	0	52	2	25	0	46	3	0	0	0	0	0	0	0	0
400	115	0	113	0	145	0	145	0	0	0	30	0	54	9	25	0	63	2	22	0	42	4	26	0	45	358	0	0	0	0	0	0	0	0
500	115	0	114	0	158	0	158	0	0	0	30	0	72	6	27	0	107	1	21	0	45	349	26	0	53	0	0	0	0	0	0	0	0	0
600	78	0	75	0	100	0	105	0	0	0	40	0	75	19	38	0	74	11	35	0	69	7	40	0	69	14	0	0	0	0	0	0	0	0
700	93	0	92	0	122	0	119	0	0	0	32	0	66	5	30	0	70	8	23	0	53	357	27	0	65	4	0	0	0	0	0	0	0	0
800	92	0	88	0	124	0	125	0	0	0	33	0	50	0	23	0	58	351	14	0	49	346	17	0	62	348	0	0	0	0	0	0	0	0
900	97	0	92	0	140	0	139	0	0	0	20	0	59	348	18	0	85	306	10	0	40	339	14	0	57	333	0	0	0	0	0	0	0	0
1000	93	0	92	0	167	0	169	0	0	0	15	0	49	318	11	0	68	298	3	0	34	324	8	0	91	326	0	0	0	0	0	0	0	0
1100	81	0	77	0	132	0	131	0	0	0	13	0	77	286	12	0	76	305	6	0	45	320	13	0	75	314	0	0	0	0	0	0	0	0
1200	77	0	72	0	128	0	125	0	0	0	352	0	57	278	351	0	153	276	355	0	32	313	2	0	62	320	0	0	0	0	0	0	0	0
1300	105	0	105	0	157	0	160	0	0	0	340	0	13	294	336	0	18	298	345	0	4	327	349	0	41	328	0	0	0	0	0	0	0	0
1400	85	0	93	0	133	0	140	0	0	0	328	0	17	278	322	0	11	271	329	0	351	290	331	0	351	281	0	0	0	0	0	0	0	0
1500	105	0	108	0	149	0	153	0	0	0	319	0	354	260	316	0	23	276	326	0	356	300	329	0	8	290	0	0	0	0	0	0	0	0
1600	93	0	94	0	132	0	134	0	0	0	314	0	7	280	310	0	352	261	325	0	1	306	325	0	354	286	0	0	0	0	0	0	0	0
1700	75	0	74	0	104	0	105	0	0	0	314	0	353	274	310	0	348	243	326	0	4	289	328	0	11	282	0	0	0	0	0	0	0	0
1800	61	0	60	0	91	0	92	0	0	0	345	0	17	317	342	0	25	306	341	0	355	327	342	0	3	328	0	0	0	0	0	0	0	0
1900	51	0	48	0	73	0	73	0	0	0	20	0	38	5	19	0	42	354	7	0	18	1	9	0	20	4	0	0	0	0	0	0	0	0
2000	52	0	48	0	70	0	70	0	0	0	24	0	40	15	22	0	38	10	20	0	25	8	23	0	30	17	0	0	0	0	0	0	0	0
2100	37	0	34	0	69	0	69	0	0	0	356	0	26	341	351	0	35	329	3	0	9	358	8	0	13	1	0	0	0	0	0	0	0	0
2200	57	0	56	0	85	0	81	0	0	0	257	0	275	242	258	0	281	238	278	0	294	271	281	0	299	272	0	0	0	0	0	0	0	0
2300	51	0	51	0	59	0	65	0	0	0	250	0	261	238	250	0	263	234	268	0	273	262	272	0	278	267	0	0	0	0	0	0	0	0
2400	50	0	49	0	55	0	61	0	0	0	258	0	275	240	260	0	277	246	270	0	282	262	273	0	288	267	0	0	0	0	0	0	0	0

HOUR	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	78	0	78	0	78	0	78	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	88	0	89	0	85	0	85	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	95	0	96	0	91	0	92	0	0	0	0	0	-3	0	-4	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	97	0	98	0	92	0	92	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	94	0	94	0	89	0	90	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	89	0	89	0	85	0	85	0	0	0	0	0	-3	0	-4	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	94	0	94	0	89	0	89	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	97	0	97	0	91	0	91	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	100	0	100	0	94	0	94	0	0	0	0	0	-4	0	-5	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	103	0	104	0	98	0	98	0	0	0	0	0	-5	0	-6	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	106	0	106	0	98	0	98	0	0	0	0	0	-8	0	-8	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	111	0	112	0	98	0	98	0	0	0	0	0	-12	0	-13	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	102	0	102	0	93	0	93	0	0	0	0	0	-9	0	-9	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	110	0	111	0	95	0	95	0	0	0	0	0	-14	0	-15	0	-25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	101	0	102	0	91	0	91	0	0	0	0	0	-9	0	-10	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	106	0	107	0	94	0	94	0	0	0	0	0	-11	0	-12	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	102	0	103	0	95	0	95	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	94	0	94	0	93	0	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	93	0	94	0	93	0	93	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	96	0	97	0	95	0	95	0	0	0	0	0	1	0	-2	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	88	0	88	0	101	0	101	0	0	0	0	0	14	0	14	0	25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	89	0	89	0	91	0	91	0	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	91	0	91	0	88	0	88	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	90	0	90	0	87	0	87	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	48	0	45	0	82	0	88	0	0	0	245	0	262	224	247	0	267	221	264	0	268	259	268	0	272	262	0	0	0	0	0	0	0	0
200	60	0	58	0	0	4	7	0	0	0	109	0	115	103	116	0	125	107	353	3	66	282	281	5	292	278	0	0	0	0	0	0	0	0
300	52	0	50	0	35	0	37	0	0	0	137	0	142	131	142	0	148	138	81	0	91	77	89	0	99	83	0	0	0	0	0	0	0	0
400	44	0	44	0	28	0	31	0	0	0	157	0	170	141	163	0	178	146	111	0	116	98	120	0	128	107	0	0	0	0	0	0	0	0
500	67	0	66	0	54	0	58	0	0	0	162	0	182	146	168	0	183	145	122	0	132	116	132	0	139	124	0	0	0	0	0	0	0	0
600	54	0	50	0	33	0	36	0	0	0	181	0	200	165	188	0	228	160	127	0	139	119	137	0	146	127	0	0	0	0	0	0	0	0
700	69	0	68	0	56	0	60	0	0	0	170	0	189	157	176	0	202	158	132	0	145	122	142	0	156	132	0	0	0	0	0	0	0	0
800	67	0	63	0	74	0	78	0	0	0	153	0	171	132	156	0	175	131	152	0	160	147	162	0	169	156	0	0	0	0	0	0	0	0
900	41	0	35	0	78	0	87	0	0	0	122	0	145	97	125	0	153	86	167	0	170	155	178	0	220	165	0	0	0	0	0	0	0	0
1000	19	0	16	0	13	0	16	0	0	0	95	0	158	65	99	0	153	73	140	0	215	95	152	0	228	92	0	0	0	0	0	0	0	0
1100	22	0	20	0	19	0	23	0	0	0	108	3	158	22	111	3	159	1	114	0	168	0	123	0	174	55	0	0	0	0	0	0	0	0
1200	37	0	32	0	41	0	44	0	0	0	99	0	136	60	103	0	153	52	99	0	135	64	110	0	157	71	0	0	0	0	0	0	0	0
1300	33	0	29	0	36	0	39	0	0	0	114	0	161	14	120	3	178	47	122	0	161	78	131	0	173	91	0	0	0	0	0	0	0	0
1400	31	0	30	0	47	0	50	0	0	0	308	0	354	224	299	3	355	217	325	0	347	307	326	0	342	303	0	0	0	0	0	0	0	0
1500	33	0	31	0	40	0	43	0	0	0	23	0	118	274	28	0	68	305	17	0	81	342	20	0	80	319	0	0	0	0	0	0	0	0
1600	23	0	23	0	37	0	39	0	0	0	1	3	77	290	351	3	176	277	4	0	31	333	10	0	66	329	0	0	0	0	0	0	0	0
1700	44	0	40	0	63	0	69	0	0	0	40	0	76	19	39	0	72	15	40	0	49	30	44	0	55	35	0	0	0	0	0	0	0	0
1800	51	0	55	0	73	0	88	0	0	0	51	0	75	43	50	0	74	37	66	0	70	58	73	0	78	67	0	0	0	0	0	0	0	0
1900	66	0	61	0	95	0	92	0	0	0	81	0	107	75	82	0	98	69	86	0	88	85	94	0	97	91	0	0	0	0	0	0	0	0
2000	80	0	77	0	138	0	141	0	0	0	101	0	111	92	103	0	123	88	105	0	108	102	113	0	117	110	0	0	0	0	0	0	0	0
2100	102	0	95	0	158	0	165	0	0	0	114	0	123	101	117	0	137	99	118	0	122	114	127	0	131	124	0	0	0	0	0	0	0	0
2200	105	0	97	0	152	0	158	0	0	0	118	0	137	107	122	0	142	92	120	0	128	115	130	0	141	125	0	0	0	0	0	0	0	0
2300	108	0	103	0	151	0	157	0	0	0	114	0	125	102	120	0	137	108	118	0	125	114	128	0	135	123	0	0	0	0	0	0	0	0
2400	98	0	93	0	144	0	149	0	0	0	117	0	128	104	121	0	140	98	121	0	130	108	130	0	137	116	0	0	0	0	0	0	0	0

HOUR	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	86	0	86	0	89	0	89	0	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
200	45	0	43	0	87	0	87	0	0	0	0	0	43	0	44	0	77	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
300	68	0	68	0	91	0	91	0	0	0	0	0	23	0	22	0	41	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
400	78	0	78	0	93	0	93	0	0	0	0	0	16	0	16	0	28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
500	49	0	48	0	91	0	91	0	0	0	0	0	42	0	43	0	75	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
600	70	0	70	0	88	0	88	0	0	0	0	0	18	0	18	0	32	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
700	59	0	60	0	85	0	85	0	0	0	0	0	26	0	25	0	46	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
800	46	0	45	0	87	0	87	0	0	0	0	0	41	0	43	0	73	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
900	65	0	65	0	93	0	93	0	0	0	0	0	30	0	30	0	54	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	98	0	101	0	88	0	89	0	0	0	0	0	-7	0	-9	0	-19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	128	0	129	0	117	0	118	0	0	0	0	0	-5	0	-6	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	140	0	140	0	125	0	125	0	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	162	0	164	0	139	0	140	0	0	0	0	0	-17	0	-18	0	-30	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	158	0	160	0	145	0	146	0	0	0	0	0	-7	0	-8	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	142	0	143	0	131	0	132	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	145	0	144	0	136	0	136	0	0	0	0	0	-6	0	-5	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	124	0	125	0	136	0	136	0	0	0	0	0	14	0	13	0	25	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	122	0	122	0	136	0	136	0	0	0	0	0	15	0	15	0	27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	110	0	110	0	129	0	129	0	0	0	0	0	20	0	20	0	36	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	104	0	105	0	125	0	125	0	0	0	0	0	22	0	22	0	39	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	101	0	104	0	118	0	118	0	0	0	0	0	15	0	15	0	27	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	96	0	96	0	103	0	103	0	0	0	0	0	7	0	8	0	12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	84	0	84	0	89	0	89	0	0	0	0	0	6	0	6	0	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	77	0	77	0	82	0	82	0	0	0	0	0	5	0	5	0	9	0	0	0	0	2	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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	94	0	100	0	144	0	151	0	0	0	128	0	140	114	132	0	165	106	134	0	142	127	144	0	151	135	0	0	0	0	0	0	0	0
200	93	0	96	0	123	0	134	0	0	0	123	0	141	108	129	0	151	103	130	0	143	116	139	0	155	130	0	0	0	0	0	0	0	0
300	97	0	95	0	132	0	140	0	0	0	126	0	143	109	130	0	150	107	134	0	149	122	143	0	155	130	0	0	0	0	0	0	0	0
400	89	0	90	0	120	0	128	0	0	0	122	0	145	106	125	0	152	86	128	0	139	119	138	0	151	124	0	0	0	0	0	0	0	0
500	112	0	109	0	144	0	152	0	0	0	121	0	135	108	125	0	144	95	125	0	137	112	134	0	150	119	0	0	0	0	0	0	0	0
600	79	0	77	0	110	0	116	0	0	0	119	0	150	101	125	0	160	91	128	0	147	110	138	0	149	116	0	0	0	0	0	0	0	0
700	87	0	82	0	116	0	122	0	0	0	113	0	126	100	119	0	144	96	121	0	131	108	131	0	140	117	0	0	0	0	0	0	0	0
800	103	0	102	0	133	0	141	0	0	0	120	0	131	107	128	0	144	109	127	0	134	117	136	0	144	130	0	0	0	0	0	0	0	0
900	131	0	131	0	153	0	163	0	0	0	117	0	131	103	126	0	148	104	125	0	135	108	134	0	148	124	0	0	0	0	0	0	0	0
1000	112	0	112	0	145	0	152	0	0	0	129	0	153	103	136	0	174	87	132	0	154	114	142	0	168	124	0	0	0	0	0	0	0	0
1100	113	0	115	0	141	0	150	0	0	0	120	0	151	74	127	0	159	81	125	0	145	97	135	0	151	114	0	0	0	0	0	0	0	0
1200	103	0	104	0	134	0	139	0	0	0	124	0	163	91	131	0	177	32	128	0	154	105	138	0	172	111	0	0	0	0	0	0	0	0
1300	91	0	94	0	134	0	140	0	0	0	131	0	171	83	138	0	209	94	143	0	177	115	153	0	185	129	0	0	0	0	0	0	0	0
1400	103	0	102	0	128	0	134	0	0	0	122	0	156	92	128	0	167	89	128	0	147	104	139	0	162	116	0	0	0	0	0	0	0	0
1500	114	0	121	0	168	0	174	0	0	0	132	0	164	87	138	0	174	41	137	0	163	115	148	0	173	119	0	0	0	0	0	0	0	0
1600	106	0	110	0	157	0	161	0	0	0	129	0	176	88	135	0	189	94	134	0	158	98	144	0	168	116	0	0	0	0	0	0	0	0
1700	102	0	107	0	141	0	150	0	0	0	120	0	167	95	129	0	165	103	124	0	147	107	134	0	155	112	0	0	0	0	0	0	0	0
1800	124	0	120	0	169	0	174	0	0	0	117	0	131	102	124	0	144	90	120	0	132	103	130	0	146	118	0	0	0	0	0	0	0	0
1900	113	0	112	0	156	0	165	0	0	0	119	0	134	93	125	0	147	84	124	0	141	112	134	0	149	119	0	0	0	0	0	0	0	0
2000	89	0	86	0	121	0	131	0	0	0	119	0	139	95	127	0	170	97	129	0	143	107	139	0	155	120	0	0	0	0	0	0	0	0
2100	149	0	149	0	194	0	206	0	0	0	118	0	139	101	125	0	157	93	122	0	137	109	133	0	150	122	0	0	0	0	0	0	0	0
2200	131	0	136	0	184	0	196	0	0	0	120	0	136	100	128	0	150	97	126	0	143	108	136	0	153	124	0	0	0	0	0	0	0	0
2300	143	0	144	0	199	0	212	0	0	0	123	0	139	102	132	0	159	105	130	0	141	112	141	0	155	124	0	0	0	0	0	0	0	0
2400	115	0	112	0	137	0	144	0	0	0	120	0	139	104	125	0	147	91	126	0	141	109	137	0	149	126	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMPA	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	78	0	78	0	82	0	82	0	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	80	0	80	0	78	0	78	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	77	0	78	0	75	0	75	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	71	0	70	0	68	0	68	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	63	0	63	0	62	0	62	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	56	0	56	0	55	0	54	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	50	0	50	0	49	0	49	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	50	0	50	0	48	0	48	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	61	0	62	0	56	0	56	0	0	0	0	0	-5	0	-6	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	84	0	85	0	75	0	75	0	0	0	0	0	-8	0	-9	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	103	0	104	0	93	0	93	0	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	119	0	119	0	109	0	109	0	0	0	0	0	-9	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	140	0	141	0	127	0	127	0	0	0	0	0	-13	0	-13	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	150	0	150	0	139	0	139	0	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	154	0	154	0	144	0	144	0	0	0	0	0	-9	0	-9	0	-15	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	153	0	153	0	145	0	145	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	147	0	147	0	141	0	141	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	130	0	130	0	129	0	129	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	116	0	116	0	116	0	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	109	0	109	0	108	0	107	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	101	0	101	0	99	0	100	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	92	0	92	0	90	0	90	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	83	0	83	0	81	0	81	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	81	0	82	0	74	0	75	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 R	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 R	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150R	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	45	0	48	0	48	0	47	0	0	0	91	0	102	83	96	0	116	81	99	0	114	91	108	0	125	97	0	0	0	0	0	0	0	0
200	47	0	50	0	61	0	60	0	0	0	90	0	107	75	96	0	116	89	93	0	102	85	101	0	109	92	0	0	0	0	0	0	0	0
300	39	0	43	0	54	0	52	0	0	0	98	0	135	69	102	0	149	63	95	0	122	79	105	0	135	86	0	0	0	0	0	0	0	0
400	45	0	47	0	62	0	63	0	0	0	109	0	137	87	115	0	142	82	115	0	133	92	124	0	147	107	0	0	0	0	0	0	0	0
500	42	0	46	0	55	0	57	0	0	0	122	0	161	101	130	0	160	103	134	0	151	119	143	0	157	130	0	0	0	0	0	0	0	0
600	70	0	73	0	83	0	83	0	0	0	109	0	129	89	117	0	144	91	108	0	121	93	117	0	133	101	0	0	0	0	0	0	0	0
700	83	0	82	0	105	0	105	0	0	0	108	0	126	90	114	0	138	85	110	0	124	101	119	0	133	107	0	0	0	0	0	0	0	0
800	96	0	96	0	130	0	130	0	0	0	113	0	125	102	121	0	139	99	119	0	126	110	128	0	137	118	0	0	0	0	0	0	0	0
900	95	0	97	0	125	0	127	0	0	0	117	0	125	108	125	0	139	112	125	0	133	114	135	0	148	118	0	0	0	0	0	0	0	0
1000	94	0	99	0	125	0	128	0	0	0	123	0	140	101	131	0	150	102	129	0	142	111	138	0	148	119	0	0	0	0	0	0	0	0
1100	84	0	89	0	106	0	112	0	0	0	119	0	143	105	127	0	147	98	129	0	149	109	139	0	152	124	0	0	0	0	0	0	0	0
1200	87	0	97	0	119	0	123	0	0	0	129	0	164	102	137	0	171	116	138	0	181	116	148	0	173	120	0	0	0	0	0	0	0	0
1300	75	0	83	0	103	0	105	0	0	0	124	0	174	94	130	0	171	77	134	0	156	110	143	0	181	111	0	0	0	0	0	0	0	0
1400	78	0	85	0	102	0	105	0	0	0	129	0	168	92	138	0	211	103	136	0	154	108	147	0	172	124	0	0	0	0	0	0	0	0
1500	73	0	79	0	112	0	114	0	0	0	140	0	187	101	147	0	197	116	147	0	173	125	157	0	186	121	0	0	0	0	0	0	0	0
1600	82	0	87	0	121	0	125	0	0	0	132	0	182	109	142	0	199	102	137	0	172	115	146	0	171	124	0	0	0	0	0	0	0	0
1700	71	0	82	0	121	0	126	0	0	0	133	0	161	119	141	0	167	115	143	0	156	128	152	0	164	135	0	0	0	0	0	0	0	0
1800	80	0	83	0	130	0	138	0	0	0	122	0	133	110	129	0	145	114	129	0	134	125	138	0	144	134	0	0	0	0	0	0	0	0
1900	97	0	101	0	160	0	166	0	0	0	121	0	142	105	128	0	143	111	124	0	133	119	134	0	144	124	0	0	0	0	0	0	0	0
2000	93	0	103	0	148	0	157	0	0	0	125	0	137	114	131	0	155	117	130	0	139	122	140	0	147	132	0	0	0	0	0	0	0	0
2100	95	0	99	0	146	0	155	0	0	0	127	0	146	115	134	0	153	111	132	0	144	119	141	0	154	127	0	0	0	0	0	0	0	0
2200	93	0	99	0	140	0	145	0	0	0	131	0	154	113	136	0	162	109	134	0	144	111	145	0	154	133	0	0	0	0	0	0	0	0
2300	40	0	45	0	54	0	56	0	0	0	246	0	261	228	249	0	265	227	244	0	273	222	248	0	276	233	0	0	0	0	0	0	0	0
2400	62	0	65	0	97	0	101	0	0	0	247	0	280	212	249	0	285	198	242	0	277	210	246	0	276	214	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 R	S	AMB. TEM3 150A	S	AMB. TEM4 150B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 150A	S	D.T. 2 150B	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	88	0	89	0	100	0	100	0	0	0	0	0	12	0	12	0	21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	97	0	97	0	99	0	99	0	0	0	0	0	3	0	2	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	94	0	94	0	91	0	91	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	96	0	97	0	95	0	95	0	0	0	0	0	-1	0	-2	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	95	0	95	0	92	0	92	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	93	0	92	0	88	0	88	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	89	0	89	0	87	0	87	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	93	0	93	0	93	0	92	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	97	0	97	0	98	0	98	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	112	0	112	0	112	0	112	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	140	0	141	0	139	0	139	0	0	0	0	0	-2	0	-3	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	177	0	178	0	168	0	168	0	0	0	0	0	-9	0	-9	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	199	0	200	0	190	0	191	0	0	0	0	0	-9	0	-9	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	205	0	205	0	199	0	198	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	220	0	220	0	210	0	210	0	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	211	0	211	0	206	0	206	0	0	0	0	0	-5	0	-4	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	204	0	204	0	202	0	201	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	190	0	190	0	194	0	193	0	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	176	0	176	0	183	0	182	0	0	0	0	0	6	0	6	0	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	169	0	168	0	172	0	172	0	0	0	0	0	4	0	4	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	164	0	164	0	166	0	166	0	0	0	0	0	2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	162	0	163	0	162	0	162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	161	0	161	0	162	0	162	0	0	0	0	0	1	0	2	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	145	0	145	0	146	0	146	0	0	0	0	0	1	0	2	0	1	0	0	0	0	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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 180A	S	WIND SPD4 180B	S	WIND SPD5	S	WIND DIR1	MAX	MIN	WIND DIR2	MAX	MIN	WIND DIR3	MAX	MIN	WIND DIR4	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	53	0	55	0	67	0	60	0	0	0	160	187	136	164	0	188	131	174	0	205	153	183	0	213	160	0	0	0	0	0	0
200	53	0	48	0	111	0	99	0	0	0	189	213	166	194	0	237	168	207	0	217	195	215	0	225	204	0	0	0	0	0	0
300	47	0	52	0	84	0	76	0	0	0	147	195	118	155	0	200	117	169	0	213	144	178	0	218	151	0	0	0	0	0	0
400	52	0	49	0	114	0	103	0	0	0	194	230	156	197	0	245	154	204	0	211	195	212	0	220	203	0	0	0	0	0	0
500	74	0	75	0	108	0	107	0	0	0	230	255	203	232	0	285	194	227	0	253	196	231	0	254	205	0	0	0	0	0	0
600	123	0	128	0	170	0	179	0	0	0	245	251	214	247	0	278	201	241	0	257	211	245	0	257	229	0	0	0	0	0	0
700	135	0	140	0	192	0	200	0	0	0	249	270	230	250	0	283	229	249	0	255	244	254	0	261	240	0	0	0	0	0	0
800	95	0	98	0	140	0	147	0	0	0	242	264	210	247	0	280	222	243	0	253	224	246	0	259	230	0	0	0	0	0	0
900	109	0	113	0	144	0	151	0	0	0	248	273	220	250	0	277	229	248	0	256	234	252	0	260	245	0	0	0	0	0	0
1000	118	0	123	0	163	0	168	0	0	0	253	285	231	254	0	297	228	253	0	265	245	257	0	268	244	0	0	0	0	0	0
1100	105	0	109	0	129	0	135	0	0	0	247	291	203	250	0	283	216	241	0	265	195	245	0	265	210	0	0	0	0	0	0
1200	124	0	130	0	149	0	156	0	0	0	247	267	230	248	0	290	222	246	0	256	226	250	0	261	235	0	0	0	0	0	0
1300	82	0	88	0	106	0	110	0	0	0	259	291	233	261	0	291	232	256	0	280	216	259	0	298	227	0	0	0	0	0	0
1400	92	0	100	0	112	0	118	0	0	0	265	287	227	267	0	290	233	260	0	290	237	262	0	277	238	0	0	0	0	0	0
1500	107	0	111	0	157	0	162	0	0	0	257	289	225	258	0	290	217	256	0	283	236	260	0	283	227	0	0	0	0	0	0
1600	122	0	130	0	173	0	183	0	0	0	263	281	243	263	0	288	225	259	0	276	238	262	0	278	240	0	0	0	0	0	0
1700	131	0	133	0	192	0	200	0	0	0	250	290	217	251	0	306	215	251	0	257	244	254	0	263	248	0	0	0	0	0	0
1800	114	0	114	0	188	0	195	0	0	0	255	286	235	255	0	295	232	255	0	275	238	259	0	271	238	0	0	0	0	0	0
1900	140	0	143	0	213	0	220	0	0	0	251	276	224	251	0	277	218	252	0	262	245	256	0	269	249	0	0	0	0	0	0
2000	200	0	207	0	284	0	298	0	0	0	263	286	237	263	0	303	220	260	0	269	241	264	0	273	253	0	0	0	0	0	0
2100	203	0	207	0	238	0	242	0	0	0	273	306	244	272	0	328	241	279	0	320	240	281	0	321	245	0	0	0	0	0	0
2200	311	0	317	0	453	0	449	0	0	0	327	351	293	323	0	3	290	334	0	4	320	333	0	10	305	0	0	0	0	0	0
2300	297	0	299	0	413	0	404	0	0	0	337	359	315	332	0	4	288	340	0	357	323	341	0	358	327	0	0	0	0	0	0
2400	286	0	281	0	382	0	373	0	0	0	336	358	310	333	0	3	301	338	0	348	314	339	0	350	314	0	0	0	0	0	0

HOUR	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	MAIN	S
100	137	0	137	0	143	0	142	0	0	0	0	0	6	0	6	0	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	135	0	136	0	151	0	151	0	0	0	0	0	16	0	16	0	28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	131	0	130	0	136	0	135	0	0	0	0	0	4	0	5	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	127	0	127	0	138	0	138	0	0	0	0	0	11	0	11	0	19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	132	0	132	0	131	0	131	0	0	0	0	0	1	0	-1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	123	0	123	0	120	0	120	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	113	0	113	0	109	0	109	0	0	0	0	0	-4	0	-3	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	109	0	109	0	107	0	107	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	111	0	111	0	106	0	106	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	110	0	110	0	104	0	104	0	0	0	0	0	-6	0	-7	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	112	0	113	0	105	0	105	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	113	0	112	0	105	0	105	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	122	0	123	0	113	0	113	0	0	0	0	0	-9	0	-10	0	-15	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	117	0	117	0	112	0	112	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	121	0	122	0	113	0	113	0	0	0	0	0	-9	0	-10	0	-15	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	118	0	118	0	111	0	111	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	114	0	114	0	112	0	111	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	111	0	111	0	110	0	109	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	114	0	114	0	111	0	111	0	0	0	0	0	-2	0	-3	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	107	0	107	0	102	0	102	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	104	0	105	0	100	0	100	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	81	0	81	0	75	0	75	0	0	0	0	0	-6	0	-5	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	86	0	86	0	81	0	82	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	85	0	85	0	80	0	80	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	225	0	227	0	312	0	308	0	0	0	322	0	347	289	318	0	358	285	330	0	342	315	331	0	343	319	0	0	0	0	0	0	0	0
200	251	0	256	0	330	0	332	0	0	0	311	0	327	294	306	0	333	278	318	0	331	304	318	0	336	305	0	0	0	0	0	0	0	0
300	247	0	245	0	359	0	358	0	0	0	320	0	341	299	316	0	349	278	328	0	345	302	328	0	341	279	0	0	0	0	0	0	0	0
400	230	0	234	0	324	0	318	0	0	0	329	0	359	289	325	0	4	277	334	0	353	317	335	0	350	312	0	0	0	0	0	0	0	0
500	234	0	240	0	335	0	333	0	0	0	315	0	347	286	310	0	345	261	324	0	345	311	325	0	341	315	0	0	0	0	0	0	0	0
600	254	0	254	0	349	0	346	0	0	0	316	0	342	290	313	0	351	264	324	0	335	307	324	0	336	303	0	0	0	0	0	0	0	0
700	247	0	249	0	335	0	335	0	0	0	316	0	353	291	313	0	354	279	323	0	337	293	323	0	349	291	0	0	0	0	0	0	0	0
800	258	0	266	0	361	0	360	0	0	0	314	0	349	296	309	0	335	273	323	0	343	309	323	0	336	311	0	0	0	0	0	0	0	0
900	247	0	250	0	353	0	352	0	0	0	318	0	344	286	313	0	352	283	327	0	342	315	327	0	345	318	0	0	0	0	0	0	0	0
1000	206	0	209	0	303	0	300	0	0	0	325	0	346	294	321	0	353	286	330	0	342	306	331	0	349	299	0	0	0	0	0	0	0	0
1100	197	0	204	0	292	0	288	0	0	0	320	0	1	290	315	0	1	273	329	0	354	312	329	0	346	309	0	0	0	0	0	0	0	0
1200	215	0	214	0	314	0	311	0	0	0	330	0	356	290	325	0	0	283	334	0	348	304	335	0	6	309	0	0	0	0	0	0	0	0
1300	252	0	256	0	326	0	328	0	0	0	312	0	330	294	308	0	333	285	319	0	332	302	319	0	331	283	0	0	0	0	0	0	0	0
1400	176	0	183	0	248	0	240	0	0	0	345	0	29	311	342	0	47	287	356	0	47	335	359	0	59	321	0	0	0	0	0	0	0	0
1500	220	0	212	0	292	0	283	0	0	0	345	0	30	325	341	0	43	305	350	0	13	312	352	0	16	309	0	0	0	0	0	0	0	0
1600	146	0	138	0	226	0	217	0	0	0	353	0	49	323	349	0	52	292	356	0	44	324	359	0	54	329	0	0	0	0	0	0	0	0
1700	119	0	122	0	208	0	203	0	0	0	0	0	55	309	356	0	101	278	357	0	39	283	2	0	48	324	0	0	0	0	0	0	0	0
1800	133	0	130	0	203	0	202	0	0	0	11	0	63	320	6	0	50	294	0	0	53	321	0	0	45	317	0	0	0	0	0	0	0	0
1900	119	0	121	0	189	0	185	0	0	0	15	0	63	304	11	0	57	292	359	0	36	319	2	0	37	313	0	0	0	0	0	0	0	0
2000	100	0	94	0	163	0	158	0	0	0	13	0	60	311	10	0	73	299	4	0	36	322	3	0	44	329	0	0	0	0	0	0	0	0
2100	98	0	97	0	169	0	166	0	0	0	2	0	49	303	0	0	58	289	358	0	38	316	1	0	39	321	0	0	0	0	0	0	0	0
2200	111	0	110	0	156	0	152	0	0	0	350	0	40	270	347	0	53	300	352	0	38	325	354	0	34	333	0	0	0	0	0	0	0	0
2300	114	0	120	0	155	0	153	0	0	0	342	0	18	313	338	0	51	306	343	0	21	318	345	0	9	310	0	0	0	0	0	0	0	0
2400	109	0	109	0	155	0	153	0	0	0	336	0	22	282	335	0	8	300	340	0	9	323	341	0	0	321	0	0	0	0	0	0	0	0

HOUR	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	84	0	85	0	80	0	80	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	82	0	83	0	77	0	77	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	74	0	75	0	69	0	68	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	69	0	68	0	63	0	63	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	64	0	66	0	61	0	60	0	0	0	0	0	-5	0	-5	0	-8	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	62	0	62	0	56	0	56	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	60	0	60	0	55	0	55	0	0	0	0	0	-5	0	-6	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	60	0	60	0	55	0	55	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	62	0	61	0	56	0	56	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	62	0	62	0	57	0	57	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	61	0	61	0	56	0	56	0	0	0	0	0	-5	0	-6	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	62	0	62	0	57	0	57	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	58	0	58	0	52	0	52	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	52	0	52	0	47	0	47	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	54	0	54	0	49	0	49	0	0	0	0	0	-8	0	-8	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	54	0	54	0	48	0	48	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	53	0	53	0	49	0	48	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	50	0	50	0	47	0	47	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	52	0	52	0	49	0	49	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	52	0	52	0	50	0	49	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	55	0	55	0	52	0	52	0	0	0	0	0	-1	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	58	0	58	0	55	0	54	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	60	0	60	0	58	0	58	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	63	0	63	0	60	0	59	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 M	S	WIND SPD3 150A	S	WIND SPD4 150M	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 M	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150M	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	102	0	103	0	147	0	147	0	0	0	321	0	6	277	319	0	353	258	329	0	15	309	330	0	3	302	0	0	0	0	0	0	0	0
200	93	0	94	0	137	0	138	0	0	0	317	0	1	282	310	0	340	278	323	0	355	308	323	0	345	303	0	0	0	0	0	0	0	0
300	107	0	111	0	151	0	151	0	0	0	325	0	354	281	323	0	2	281	332	0	345	315	333	0	350	312	0	0	0	0	0	0	0	0
400	114	0	115	0	158	0	157	0	0	0	335	0	357	301	334	0	9	283	337	0	348	318	338	0	351	326	0	0	0	0	0	0	0	0
500	80	0	81	0	117	0	115	0	0	0	340	0	36	302	337	0	35	286	339	0	10	315	341	0	15	315	0	0	0	0	0	0	0	0
600	60	0	62	0	39	0	40	0	0	0	139	0	139	118	133	0	143	119	81	0	117	0	88	0	124	18	0	0	0	0	0	0	0	0
700	83	0	85	0	43	0	43	0	0	0	148	0	183	131	152	0	168	134	132	0	151	30	143	0	162	69	0	0	0	0	0	0	0	0
800	87	0	90	0	53	0	53	0	0	0	187	0	185	157	171	0	188	153	159	0	177	137	170	0	220	151	0	0	0	0	0	0	0	0
900	49	0	49	0	69	0	57	0	0	0	176	0	220	135	181	0	228	119	197	0	219	181	205	0	231	189	0	0	0	0	0	0	0	0
1000	57	0	61	0	71	0	74	0	0	0	245	0	295	209	247	0	294	199	254	0	283	218	259	0	286	212	0	0	0	0	0	0	0	0
1100	90	0	95	0	103	0	106	0	0	0	285	0	322	242	282	0	329	237	284	0	318	243	287	0	323	248	0	0	0	0	0	0	0	0
1200	113	0	115	0	126	0	129	0	0	0	272	0	322	244	271	0	320	228	277	0	321	235	280	0	326	248	0	0	0	0	0	0	0	0
1300	94	0	97	0	108	0	114	0	0	0	272	0	302	239	272	0	308	231	274	0	307	229	277	0	315	230	0	0	0	0	0	0	0	0
1400	77	0	81	0	91	0	97	0	0	0	282	0	316	233	278	0	327	235	278	0	310	234	283	0	323	227	0	0	0	0	0	0	0	0
1500	69	0	93	0	105	0	111	0	0	0	260	0	285	231	261	0	287	229	258	0	278	228	262	0	281	229	0	0	0	0	0	0	0	0
1600	73	0	77	0	88	0	90	0	0	0	247	0	270	221	248	0	279	205	248	0	265	235	252	0	271	239	0	0	0	0	0	0	0	0
1700	47	0	51	0	54	0	57	0	0	0	244	0	265	206	245	0	267	204	240	0	263	207	245	0	265	214	0	0	0	0	0	0	0	0
1800	54	0	52	0	76	0	79	0	0	0	224	0	242	191	228	0	256	210	231	0	242	224	236	0	247	230	0	0	0	0	0	0	0	0
1900	74	0	57	0	110	0	118	0	0	0	215	0	227	203	218	0	237	189	225	0	234	216	232	0	238	225	0	0	0	0	0	0	0	0
2000	77	0	64	0	135	0	133	0	0	0	201	0	220	183	208	0	237	182	214	0	222	207	222	0	230	216	0	0	0	0	0	0	0	0
2100	94	0	74	0	154	0	153	0	0	0	211	0	229	192	213	0	234	178	224	0	234	215	231	0	239	218	0	0	0	0	0	0	0	0
2200	92	0	73	0	158	0	164	0	0	0	215	0	232	201	218	0	252	186	225	0	234	216	231	0	239	219	0	0	0	0	0	0	0	0
2300	87	0	88	0	158	0	164	0	0	0	207	0	225	185	210	0	233	176	222	0	232	211	229	0	238	217	0	0	0	0	0	0	0	0
2400	83	0	69	0	171	0	180	0	0	0	201	0	219	181	205	0	229	177	223	0	232	215	230	0	237	219	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 M	S	AMB. TEM3 150A	S	AMB. TEM4 150M	S	AMB. TEM5	S	AMB. TEM6	S	D.T. 1 150A	S	D.T. 2 150M	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	84	0	84	0	61	0	60	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
200	85	0	85	0	62	0	62	0	0	0	0	0	-4	0	-3	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
300	88	0	87	0	64	0	64	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
400	89	0	89	0	66	0	66	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
500	88	0	88	0	66	0	66	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
600	13	0	13	0	42	0	42	0	0	0	0	0	29	0	29	0	52	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
700	5	0	6	0	42	0	42	0	0	0	0	0	36	0	36	0	64	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
800	5	0	6	0	45	0	45	0	0	0	0	0	40	0	40	0	72	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
900	39	0	40	0	51	0	50	0	0	0	0	0	12	0	11	0	21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	74	0	76	0	73	0	74	0	0	0	0	0	-1	0	-1	0	-1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	85	0	86	0	79	0	80	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	89	0	90	0	81	0	82	0	0	0	0	0	-8	0	-8	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	91	0	94	0	84	0	84	0	0	0	0	0	-10	0	-10	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	98	0	99	0	86	0	86	0	0	0	0	0	-12	0	-12	0	-21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	94	0	95	0	87	0	87	0	0	0	0	0	-7	0	-7	0	-13	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	97	0	98	0	90	0	90	0	0	0	0	0	-7	0	-8	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	95	0	95	0	91	0	91	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	89	0	88	0	92	0	92	0	0	0	0	0	3	0	3	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	90	0	90	0	101	0	101	0	0	0	0	0	11	0	11	0	19	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	81	0	80	0	102	0	102	0	0	0	0	0	22	0	23	0	39	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	83	0	83	0	103	0	103	0	0	0	0	0	21	0	21	0	37	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	85	0	85	0	101	0	101	0	0	0	0	0	18	0	18	0	28	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	84	0	83	0	103	0	103	0	0	0	0	0	21	0	21	0	37	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	70	0	70	0	105	0	105	0	0	0	0	0	35	0	35	0	63	0	0	0	0	2	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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	82	0	74	0	164	0	163	0	0	0	195	0	223	161	198	0	229	158	219	0	229	210	227	0	237	217	0	0	0	0	0	0	0	0
200	92	0	74	0	164	0	173	0	0	0	207	0	228	185	209	0	246	169	226	0	236	207	233	0	239	219	0	0	0	0	0	0	0	0
300	87	0	67	0	148	0	153	0	0	0	211	0	225	185	213	0	233	184	229	0	238	219	234	0	242	223	0	0	0	0	0	0	0	0
400	94	0	74	0	146	0	152	0	0	0	216	0	230	195	219	0	240	204	231	0	241	218	235	0	244	214	0	0	0	0	0	0	0	0
500	91	0	71	0	160	0	168	0	0	0	208	0	224	186	210	0	233	186	226	0	232	216	232	0	238	224	0	0	0	0	0	0	0	0
600	87	0	70	0	147	0	156	0	0	0	217	0	239	201	220	0	240	195	228	0	239	213	233	0	240	225	0	0	0	0	0	0	0	0
700	100	0	80	0	188	0	193	0	0	0	203	0	226	181	206	0	240	173	220	0	228	210	228	0	236	218	0	0	0	0	0	0	0	0
800	68	0	69	0	165	0	136	0	0	0	175	0	201	137	178	0	210	138	196	0	205	183	204	0	214	1[illegible]	0	0	0	0	0	0	0	0
900	68	0	65	0	159	0	132	0	0	0	183	0	231	119	187	0	266	98	195	0	210	174	203	0	215	188	0	0	0	0	0	0	0	0
1000	64	0	59	0	140	0	115	0	0	0	183	0	252	99	187	0	265	93	188	0	206	164	196	0	218	166	0	0	0	0	0	0	0	0
1100	91	0	94	0	131	0	134	0	0	0	239	0	283	207	242	0	278	197	229	0	267	202	235	0	264	205	0	0	0	0	0	0	0	0
1200	119	0	122	0	162	0	167	0	0	0	239	0	278	200	241	0	283	199	233	0	250	207	239	0	255	217	0	0	0	0	0	0	0	0
1300	92	0	92	0	135	0	139	0	0	0	235	0	275	188	238	0	276	184	230	0	264	198	236	0	262	184	0	0	0	0	0	0	0	0
1400	64	0	65	0	93	0	96	0	0	0	236	0	316	198	239	0	307	204	229	0	256	205	238	0	259	218	0	0	0	0	0	0	0	0
1500	85	0	90	0	123	0	129	0	0	0	276	0	297	241	270	0	301	244	266	0	283	244	271	0	286	234	0	0	0	0	0	0	0	0
1600	88	0	92	0	150	0	146	0	0	0	285	0	294	238	285	0	295	225	284	0	293	255	288	0	279	261	0	0	0	0	0	0	0	0
1700	101	0	106	0	153	0	158	0	0	0	292	0	348	240	288	0	355	242	289	0	343	257	302	0	349	262	0	0	0	0	0	0	0	0
1800	112	0	112	0	169	0	167	0	0	0	22	0	57	340	20	0	64	340	10	0	35	346	13	0	34	345	0	0	0	0	0	0	0	0
1900	114	0	115	0	144	0	143	0	0	0	35	0	55	12	31	0	58	355	29	0	54	9	33	0	58	6	0	0	0	0	0	0	0	0
2000	163	0	161	0	190	0	191	0	0	0	34	0	54	14	32	0	62	3	24	0	49	3	28	0	60	359	0	0	0	0	0	0	0	0
2100	177	0	174	0	219	0	211	0	0	0	30	0	60	5	29	0	57	357	24	0	43	5	28	0	54	4	0	0	0	0	0	0	0	0
2200	166	0	169	0	203	0	198	0	0	0	34	0	56	9	32	0	69	358	28	0	58	6	33	0	61	7	0	0	0	0	0	0	0	0
2300	153	0	158	0	193	0	195	0	0	0	43	0	83	4	42	0	85	354	37	0	65	8	42	0	73	8	0	0	0	0	0	0	0	0
2400	129	0	143	0	159	0	175	0	0	0	51	0	73	27	49	0	85	22	48	0	92	18	54	0	79	23	0	0	0	0	0	0	0	0

HOUR	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 150A	S	D.T. 2 150B	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	66	0	66	0	102	0	102	0	0	0	0	0	36	0	35	0	64	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	63	0	62	0	95	0	95	0	0	0	0	0	32	0	32	0	57	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	61	0	61	0	86	0	86	0	0	0	0	0	24	0	24	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	63	0	63	0	85	0	85	0	0	0	0	0	21	0	21	0	37	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	57	0	56	0	84	0	84	0	0	0	0	0	26	0	27	0	46	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	58	0	56	0	78	0	78	0	0	0	0	0	21	0	21	0	37	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	42	0	42	0	83	0	83	0	0	0	0	0	41	0	41	0	73	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	39	0	39	0	69	0	68	0	0	0	0	0	29	0	30	0	52	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	58	0	59	0	70	0	70	0	0	0	0	0	12	0	11	0	21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	86	0	87	0	83	0	83	0	0	0	0	0	-3	0	-4	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	114	0	114	0	106	0	106	0	0	0	0	0	-9	0	-8	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	121	0	122	0	114	0	114	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	127	0	127	0	120	0	120	0	0	0	0	0	-8	0	-7	0	-10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	132	0	133	0	131	0	131	0	0	0	0	0	1	0	-1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	131	0	131	0	131	0	131	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	128	0	126	0	131	0	131	0	0	0	0	0	6	0	6	0	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	124	0	124	0	127	0	127	0	0	0	0	0	3	0	3	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	108	0	108	0	105	0	104	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	103	0	103	0	99	0	99	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	97	0	98	0	93	0	93	0	0	0	0	0	-4	0	-5	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	87	0	87	0	82	0	82	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	81	0	81	0	77	0	77	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	78	0	78	0	73	0	73	0	0	0	0	0	-4	0	-5	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	62	0	61	0	58	0	57	0	0	0	0	0	-5	0	-4	0	-9	0	0	0	0	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 = CALM DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	138	0	150	0	169	0	185	0	0	0	51	0	78	28	49	0	84	25	48	0	77	14	53	0	77	359	0	0	0	0	0	0	0	0
200	95	0	109	0	125	0	142	0	0	0	58	0	87	31	57	0	90	27	56	0	86	25	62	0	97	34	0	0	0	0	0	0	0	0
300	77	0	90	0	103	0	113	0	0	0	59	0	86	37	60	0	91	26	54	0	81	35	61	0	88	41	0	0	0	0	0	0	0	0
400	75	0	86	0	101	0	116	0	0	0	56	0	80	33	56	0	92	29	55	0	72	33	60	0	79	31	0	0	0	0	0	0	0	0
500	74	0	80	0	97	0	108	0	0	0	75	0	99	47	75	0	102	48	67	0	86	49	74	0	94	51	0	0	0	0	0	0	0	0
600	77	0	78	0	115	0	113	0	0	0	92	0	111	76	93	0	119	59	85	0	97	75	92	0	114	82	0	0	0	0	0	0	0	0
700	87	0	88	0	136	0	139	0	0	0	88	0	105	70	90	0	113	54	81	0	89	72	88	0	93	79	0	0	0	0	0	0	0	0
800	92	0	93	0	137	0	140	0	0	0	90	0	111	79	92	0	124	70	81	0	88	75	89	0	96	84	0	0	0	0	0	0	0	0
900	76	0	76	0	117	0	115	0	0	0	100	0	121	80	103	0	132	86	91	0	111	78	99	0	113	86	0	0	0	0	0	0	0	0
1000	109	0	107	0	125	0	128	0	0	0	90	0	121	65	91	0	129	47	85	0	123	59	92	0	120	67	0	0	0	0	0	0	0	0
1100	130	0	135	0	153	0	156	0	0	0	89	0	129	54	90	0	139	42	86	0	116	41	94	0	121	67	0	0	0	0	0	0	0	0
1200	103	0	114	0	115	0	128	0	0	0	70	0	101	29	73	0	108	25	67	0	100	32	73	0	116	48	0	0	0	0	0	0	0	0
1300	88	0	91	0	114	0	112	0	0	0	28	0	78	330	27	0	90	298	17	0	69	313	21	0	83	327	0	0	0	0	0	0	0	0
1400	78	0	82	0	91	0	92	0	0	0	27	0	72	282	26	0	62	286	16	0	51	296	18	0	86	291	0	0	0	0	0	0	0	0
1500	111	0	114	0	133	0	128	0	0	0	33	0	62	346	31	0	75	355	21	0	44	341	25	0	64	349	0	0	0	0	0	0	0	0
1600	100	0	98	0	142	0	139	0	0	0	20	0	58	337	18	0	62	338	11	0	44	347	15	0	55	347	0	0	0	0	0	0	0	0
1700	91	0	89	0	111	0	107	0	0	0	28	0	46	6	26	0	51	2	23	0	53	0	27	0	53	3	0	0	0	0	0	0	0	0
1800	59	0	62	0	94	0	96	0	0	0	45	0	55	36	46	0	69	30	43	0	52	37	47	0	55	41	0	0	0	0	0	0	0	0
1900	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	0	0
2000	62	0	62	0	86	0	91	0	0	0	89	0	101	79	90	0	106	81	73	0	78	68	79	0	83	74	0	0	0	0	0	0	0	0
2100	68	0	66	0	99	0	99	0	0	0	94	0	105	85	97	0	115	85	76	0	81	72	83	0	89	79	0	0	0	0	0	0	0	0
2200	71	0	71	0	103	0	104	0	0	0	101	0	110	94	104	0	114	92	82	0	86	78	89	0	95	85	0	0	0	0	0	0	0	0
2300	70	0	71	0	103	0	100	0	0	0	111	0	119	103	115	0	124	103	90	0	85	86	98	0	103	95	0	0	0	0	0	0	0	0
2400	73	0	62	0	169	0	146	0	0	0	192	0	235	141	195	0	251	124	201	0	211	183	210	0	221	193	0	0	0	0	0	0	0	0

HOUR	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	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	RAIN	S
100	49	0	49	0	45	0	44	0	0	0	0	0	-4	-4	-7	0	0	2	0	0	0	0	0	0	0	0	0
200	33	0	33	0	29	0	29	0	0	0	0	0	-4	-4	-7	0	0	2	0	0	0	0	0	0	0	0	0
300	24	0	24	0	20	0	20	0	0	0	0	0	-4	-4	-7	0	0	2	0	0	0	0	0	0	0	0	0
400	16	0	16	0	13	0	13	0	0	0	0	0	-3	-3	-5	0	0	2	0	0	0	0	0	0	0	0	0
500	11	0	12	0	9	0	9	0	0	0	0	0	-3	-3	-3	0	0	2	0	0	0	0	0	0	0	0	0
600	7	0	7	0	6	0	6	0	0	0	0	0	-2	-1	-3	0	0	2	0	0	0	0	0	0	0	0	0
700	2	0	2	0	6	0	6	0	0	0	0	0	4	4	7	0	0	2	0	0	0	0	0	0	0	0	0
800	1	0	1	0	5	0	5	0	0	0	0	0	4	4	7	0	0	2	0	0	0	0	0	0	0	0	0
900	5	0	6	0	5	0	5	0	0	0	0	0	1	1	1	0	0	2	0	0	0	0	0	0	0	0	0
1000	22	0	23	0	18	0	18	0	0	0	0	0	-6	-6	-10	0	0	2	0	0	0	0	0	0	0	0	0
1100	36	0	36	0	29	0	29	0	0	0	0	0	-7	-7	-12	0	0	2	0	0	0	0	0	0	0	0	0
1200	43	0	43	0	35	0	35	0	0	0	0	0	-8	-7	-14	0	0	2	0	0	0	0	0	0	0	0	0
1300	51	0	50	0	44	0	43	0	0	0	0	0	-7	-7	-12	0	0	2	0	0	0	0	0	0	0	0	0
1400	49	0	49	0	42	0	42	0	0	0	0	0	-7	-7	-12	0	0	2	0	0	0	0	0	0	0	0	0
1500	40	0	40	0	35	0	35	0	0	0	0	0	-5	-4	-9	0	0	2	0	0	0	0	0	0	0	0	0
1600	35	0	35	0	31	0	31	0	0	0	0	0	-5	-4	-9	0	0	2	0	0	0	0	0	0	0	0	0
1700	29	0	29	0	24	0	24	0	0	0	0	0	-5	-5	-9	0	0	2	0	0	0	0	0	0	0	0	0
1800	22	0	23	0	22	0	21	0	0	0	0	0	1	-1	1	0	0	2	0	0	0	0	0	0	0	0	0
1900	0	2	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
2000	15	0	15	0	25	0	25	0	0	0	0	0	10	10	18	0	0	2	0	0	0	0	0	0	0	0	0
2100	10	0	10	0	22	0	23	0	0	0	0	0	12	12	21	0	0	2	0	0	0	0	0	0	0	0	0
2200	7	0	7	0	21	0	21	0	0	0	0	0	13	13	23	0	0	2	0	0	0	0	0	0	0	0	0
2300	2	0	2	0	20	0	21	0	0	0	0	0	18	13	32	0	0	2	0	0	0	0	0	0	0	0	0
2400	-19	0	-18	0	-10	0	-10	0	0	0	0	0	9	9	16	0	0	2	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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	97	0	83	0	148	0	129	0	0	0	207	0	239	150	210	0	247	154	204	0	229	176	212	0	230	175	0	0	0	0	0	0	0	0
200	97	0	93	0	134	0	131	0	0	0	228	0	271	194	230	0	265	185	222	0	251	182	229	0	257	193	0	0	0	0	0	0	0	0
300	90	0	94	0	125	0	120	0	0	0	230	0	273	191	232	0	275	195	221	0	269	177	228	0	271	204	0	0	0	0	0	0	0	0
400	51	0	0	2	128	0	0	2	0	2	180	0	0	0	0	2	0	0	190	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
500	53	0	0	2	120	0	0	2	0	2	180	0	0	0	0	2	0	0	195	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
600	55	0	0	2	160	0	0	2	0	2	185	0	0	0	0	2	0	0	200	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
700	60	0	0	2	181	0	0	2	0	2	200	0	0	0	0	2	0	0	200	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
800	59	0	0	2	175	0	0	2	0	2	202	0	0	0	0	2	0	0	206	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
900	62	0	0	2	160	0	0	2	0	2	213	0	0	0	0	2	0	0	210	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1000	52	0	0	2	125	0	0	2	0	2	245	0	0	0	0	2	0	0	220	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1100	98	0	0	2	130	0	0	2	0	2	238	0	0	0	0	2	0	0	230	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0
1200	109	0	105	0	134	0	132	0	0	0	237	0	284	188	240	0	297	195	227	0	268	184	231	0	284	193	0	0	0	0	0	0	0	0
1300	100	0	103	0	190	0	200	0	0	0	245	0	270	218	247	0	280	211	239	0	257	214	244	0	258	221	0	0	0	0	0	0	0	0
1400	146	0	148	0	182	0	189	0	0	0	245	0	318	209	246	0	283	183	237	0	260	179	241	0	267	211	0	0	0	0	0	0	0	0
1500	136	0	136	0	178	0	181	0	0	0	242	0	278	202	244	0	289	198	235	0	269	210	240	0	273	213	0	0	0	0	0	0	0	0
1600	103	0	100	0	157	0	149	0	0	0	229	0	324	196	233	0	273	195	222	0	262	156	226	0	265	190	0	0	0	0	0	0	0	0
1700	100	0	97	0	150	0	141	0	0	0	231	0	261	196	235	0	278	184	226	0	255	189	231	0	259	186	0	0	0	0	0	0	0	0
1800	120	0	116	0	169	0	167	0	0	0	229	0	258	194	232	0	278	184	227	0	259	172	232	0	264	188	0	0	0	0	0	0	0	0
1900	217	0	222	0	292	0	306	0	0	0	248	0	267	228	251	0	285	216	245	0	261	218	249	0	265	225	0	0	0	0	0	0	0	0
2000	198	0	199	0	294	0	307	0	0	0	253	0	302	234	255	0	296	218	255	0	274	239	258	0	271	235	0	0	0	0	0	0	0	0
2100	174	0	181	0	262	0	274	0	0	0	257	0	290	232	260	0	289	226	256	0	274	236	259	0	273	230	0	0	0	0	0	0	0	0
2200	196	0	205	0	252	0	264	0	0	0	265	0	281	229	265	0	288	216	263	0	275	246	267	0	272	255	0	0	0	0	0	0	0	0
2300	178	0	183	0	213	0	216	0	0	0	271	0	304	241	272	0	317	223	277	0	320	245	279	0	315	245	0	0	0	0	0	0	0	0
2400	182	0	183	0	211	0	213	0	0	0	303	0	324	276	300	0	331	266	309	0	324	301	309	0	325	299	0	0	0	0	0	0	0	0

HOUR	°, 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 150A	S	D.T. 2 150B	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	4	0	3	0	2	0	2	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	25	0	26	0	17	0	17	0	0	0	0	0	-7	0	-8	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	36	0	36	0	29	0	29	0	0	0	0	0	-7	0	-8	0	-12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	-1	0	0	2	0	2	0	2	0	2	0	2	14	0	0	2	32	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	-16	0	0	2	0	2	0	2	0	2	0	2	19	0	0	2	34	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	-18	0	0	2	0	2	0	2	0	2	0	2	15	0	0	2	27	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	-18	0	0	2	0	2	0	2	0	2	0	2	12	0	0	2	21	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	-19	0	0	2	0	2	0	2	0	2	0	2	11	0	0	2	19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	5	0	0	2	0	2	0	2	0	2	0	2	-3	0	0	2	-5	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1000	20	0	0	2	0	2	0	2	0	2	0	2	-7	0	0	2	-19	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1100	35	0	0	2	0	2	0	2	0	2	0	2	-8	0	0	2	-14	0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1200	50	0	51	0	40	0	40	0	0	0	0	0	-10	0	-11	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	54	0	55	0	46	0	46	0	0	0	0	0	-8	0	-9	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	63	0	63	0	54	0	54	0	0	0	0	0	-9	0	-10	0	-16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	73	0	74	0	64	0	64	0	0	0	0	0	-9	0	-9	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	76	0	76	0	70	0	69	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	75	0	75	0	72	0	71	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	73	0	72	0	71	0	70	0	0	0	0	0	-2	0	-1	0	-3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	78	0	76	0	73	0	72	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	78	0	78	0	75	0	75	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	79	0	79	0	75	0	75	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	81	0	81	0	77	0	77	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	87	0	87	0	84	0	84	0	0	0	0	0	-3	0	-4	0	-9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	85	0	86	0	83	0	83	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	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

HOUR	WIND SPD1	WIND SPD2	WIND SPD3	WIND SPD4	WIND SPD5	WIND DIR1	MAX	MIN	WIND DIR2	MAX	MIN	WIND DIR3	MAX	MIN	WIND DIR4	MAX	MIN	WIND DIR5	MAX	MIN	WIND DIR6	MAX	MIN
	50 A S	50 B S	150A S	150B S	S	50 A S			50 B S			150A S			150B S			S			S		
100	104 0	103 0	149 0	146 0	0 0	344 0	19	299	340 0	17	298	348 0	9	339	349 0	22	328	0 0	0	0	0 0	0	0
200	57 0	57 0	105 0	102 0	0 0	0 0	73	305	357 0	83	300	354 0	24	322	356 0	52	318	0 0	0	0	0 0	0	0
300	76 0	73 0	121 0	117 0	0 0	9 0	51	291	5 0	66	286	2 0	31	339	5 0	53	340	0 0	0	0	0 0	0	0
400	61 0	62 0	92 0	89 0	0 0	20 0	60	337	18 0	53	350	5 0	27	333	7 0	32	338	0 0	0	0	0 0	0	0
500	53 0	54 0	82 0	79 0	0 0	39 0	59	24	39 0	58	18	22 0	38	5	24 0	36	7	0 0	0	0	0 0	0	0
600	68 0	72 0	100 0	103 0	0 0	78 0	94	66	79 0	100	63	84 0	68	58	57 0	73	58	0 0	0	0	0 0	0	0
700	91 0	92 0	131 0	148 0	0 0	85 0	97	72	88 0	109	73	69 0	79	64	73 0	83	64	0 0	0	0	0 0	0	0
800	80 0	81 0	146 0	148 0	0 0	83 0	93	75	85 0	101	74	73 0	76	71	78 0	79	75	0 0	0	0	0 0	0	0
900	80 0	83 0	128 0	129 0	0 0	86 0	111	54	89 0	119	62	82 0	107	72	87 0	126	67	0 0	0	0	0 0	0	0
1000	77 0	78 0	73 0	70 0	0 0	110 0	130	83	114 0	138	81	95 0	123	62	101 0	131	67	0 0	0	0	0 0	0	0
1100	64 0	71 0	75 0	77 0	0 0	79 0	130	16	82 0	146	20	84 0	129	36	91 0	125	40	0 0	0	0	0 0	0	0
1200	37 0	43 0	45 0	49 0	0 0	68 0	131	1	70 0	137	1	62 0	123	0	69 0	136	3	0 0	0	0	0 0	0	0
1300	92 0	93 0	109 0	108 0	0 0	15 0	50	318	13 0	59	298	10 0	74	328	10 0	37	331	0 0	0	0	0 0	0	0
1400	101 0	103 0	114 0	112 0	0 0	22 0	59	344	21 0	57	354	12 0	47	342	12 0	49	329	0 0	0	0	0 0	0	0
1500	74 0	76 0	83 0	83 0	0 0	27 0	57	346	27 0	97	340	20 0	72	307	21 0	63	326	0 0	0	0	0 0	0	0
1600	58 0	63 0	70 0	68 0	0 0	33 0	62	313	32 0	65	309	27 0	60	352	30 0	78	354	0 0	0	0	0 0	0	0
1700	48 0	56 0	62 0	65 0	0 0	50 0	75	22	51 0	82	18	45 0	77	26	48 0	84	30	0 0	0	0	0 0	0	0
1800	45 0	48 0	82 0	88 0	0 0	62 0	78	46	62 0	85	43	55 0	62	47	61 0	68	51	0 0	0	0	0 0	0	0
1900	50 0	57 0	79 0	94 0	0 0	75 0	87	64	78 0	94	61	67 0	73	61	71 0	79	67	0 0	0	0	0 0	0	0
2000	57 0	60 0	82 0	[illegible] 0	0 0	93 0	110	76	97 0	115	83	78 0	89	54	82 0	93	48	0 0	0	0	0 0	0	0
2100	58 0	63 0	91 0	105 [illegible]		80 0	96	64	82 0	102	62	65 0	79	51	69 0	80	58	0 0	0	0	0 0	0	0
2200	77 0	82 0	123 0	130 0	0 0	79 0	95	66	81 0	109	61	72 0	82	63	77 0	88	68	0 0	0	0	0 0	0	0
2300	81 0	83 0	130 0	129 0	0 0	82 0	100	71	83 0	105	61	74 0	83	66	78 0	85	69	0 0	0	0	0 0	0	0
2400	74 0	82 0	125 0	133 0	0 0	75 0	91	58	77 0	102	58	71 0	84	59	76 0	90	60	0 0	0	0	0 0	0	0

HOUR	AMB, TEM1	AMB, TEM2	AMB, TEM3	AMB, TEM4	AMB, TEM5	AMB, TEMP6	D.T. 1	D.T. 2	D.T. 3	D.T. 4	MISC 1	MISC 2	MISC 3	MISC 4	MISC 5	MISC 6	MISC 7	AIN S
	30 A S	30 B S	180A S	180B S	S	S	180A S	180B S	S	S	S	S	S	S	S	S	S	
100	80 0	81 0	77 0	77 0	0 0	0 0	-3 0	-3 0	-5 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
200	73 0	73 0	72 0	72 0	0 0	0 0	-1 0	-1 0	-1 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
300	72 0	72 0	70 0	69 0	0 0	0 0	-2 0	-2 0	-3 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
400	69 0	69 0	68 0	67 0	0 0	0 0	-1 0	-2 0	-1 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
500	61 0	61 0	62 0	61 0	0 0	0 0	1 0	1 0	1 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
600	38 0	36 0	52 0	51 0	0 0	0 0	13 0	15 0	23 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
700	27 0	28 0	45 0	45 0	0 0	0 0	18 0	17 0	32 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
800	24 0	24 0	45 0	45 0	0 0	0 0	21 0	21 0	37 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
900	28 0	28 0	28 0	28 0	0 0	0 0	0 0	0 0	0 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1000	42 0	42 0	37 0	37 0	0 0	0 0	-5 0	-5 0	-9 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1100	59 0	59 0	55 0	55 0	0 0	0 0	-4 0	-4 0	-7 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1200	77 0	77 0	68 0	67 0	0 0	0 0	-9 0	-9 0	-16 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1300	75 0	74 0	68 0	68 0	0 0	0 0	-7 0	-6 0	-12 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1400	67 0	66 0	64 0	64 0	0 0	0 0	-4 0	-3 0	-7 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1500	63 0	63 0	60 0	60 0	0 0	0 0	-5 0	-4 0	-9 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1600	60 [illegible]	59 0	55 0	55 0	0 0	0 0	-5 0	-5 0	-9 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1700	57 0	56 0	52 0	52 0	0 0	0 0	-5 0	-5 0	-9 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1800	45 0	45 0	46 0	45 0	0 0	0 0	0 0	0 0	0 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1900	38 0	38 0	44 0	43 0	0 0	0 0	6 0	6 0	10 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2000	34 0	34 0	38 0	39 0	0 0	0 0	5 0	5 0	9 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2100	29 0	29 0	34 0	33 0	0 0	0 0	6 0	6 0	10 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2200	24 0	24 0	28 0	28 0	0 0	0 0	4 0	4 0	7 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2300	13 0	13 0	18 0	18 0	0 0	0 0	4 0	5 0	7 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2400	8 0	8 0	13 0	13 0	0 0	0 0	5 0	5 0	9 0	0 0	0 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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	83	0	77	0	172	0	180	0	0	0	150	0	175	130	153	0	182	127	162	0	184	159	170	0	173	168	0	0	0	0	0	0	0	0
200	74	0	71	0	160	0	167	0	0	0	141	0	158	124	146	0	172	127	161	0	165	157	170	0	173	167	0	0	0	0	0	0	0	0
300	79	0	77	0	161	0	162	0	0	0	154	0	176	135	156	0	184	126	166	0	169	163	174	0	177	172	0	0	0	0	0	0	0	0
400	75	0	76	0	139	0	146	0	0	0	138	0	154	122	145	0	166	129	161	0	169	156	170	0	176	165	0	0	0	0	0	0	0	0
500	73	0	69	0	126	0	132	0	0	0	133	0	146	118	139	0	159	125	160	0	166	154	169	0	174	164	0	0	0	0	0	0	0	0
600	77	0	73	0	119	0	123	0	0	0	133	0	147	123	140	0	162	120	158	0	164	149	168	0	173	158	0	0	0	0	0	0	0	0
700	75	0	71	0	112	0	115	0	0	0	132	0	140	125	138	0	154	124	162	0	166	155	171	0	176	164	0	0	0	0	0	0	0	0
800	70	0	66	0	105	0	109	0	0	0	127	0	133	116	134	0	151	125	157	0	164	152	166	0	172	162	0	0	0	0	0	0	0	0
900	66	0	62	0	102	0	95	0	0	0	130	0	151	128	142	0	161	130	166	0	171	155	178	0	252	165	0	0	0	0	0	0	0	0
1000	43	0	40	0	45	0	45	0	0	0	143	0	150	127	149	0	175	124	211	0	231	186	219	0	242	187	0	0	0	0	0	0	0	0
1100	41	0	41	0	38	0	42	0	0	0	123	0	146	90	131	0	164	96	137	0	160	109	147	0	167	119	0	0	0	0	0	0	0	0
1200	25	0	25	0	32	0	34	0	0	0	146	3	266	90	146	3	269	91	144	0	256	95	150	0	247	91	0	0	0	0	0	0	0	0
1300	38	0	35	0	24	0	28	0	0	0	301	0	338	261	291	0	324	238	289	0	317	259	289	0	312	267	0	0	0	0	0	0	0	0
1400	68	0	63	0	69	0	73	0	0	0	298	0	325	277	294	0	322	265	286	0	322	255	287	0	320	266	0	0	0	0	0	0	0	0
1500	79	0	74	0	85	0	89	0	0	0	305	0	341	270	301	0	337	263	310	0	329	293	311	0	331	299	0	0	0	0	0	0	0	0
1600	63	0	62	0	82	0	84	0	0	0	325	0	357	281	322	0	359	287	331	0	345	316	331	0	342	315	0	0	0	0	0	0	0	0
1700	67	0	65	0	87	0	88	0	0	0	333	0	350	305	329	0	352	294	335	0	341	330	338	0	343	330	0	0	0	0	0	0	0	0
1800	67	0	63	0	80	0	80	0	0	0	332	0	351	302	330	0	0	305	338	0	358	321	339	0	84	328	0	0	0	0	0	0	0	0
1900	41	0	37	0	56	0	57	0	0	0	352	0	14	326	349	0	27	310	348	0	359	334	349	0	9	336	0	0	0	0	0	0	0	0
2000	41	0	38	0	45	0	47	0	0	0	304	0	325	294	301	0	318	287	315	0	332	305	315	0	334	307	0	0	0	0	0	0	0	0
2100	42	0	39	0	45	0	49	0	0	0	305	0	333	274	301	0	339	265	295	0	320	283	296	0	315	270	0	0	0	0	0	0	0	0
2200	9	0	14	0	13	0	16	0	0	0	241	0	275	216	239	0	263	210	285	0	356	238	286	0	327	240	0	0	0	0	0	0	0	0
2300	44	0	41	0	56	0	60	0	0	0	256	0	278	218	258	0	307	217	266	0	311	238	269	0	296	254	0	0	0	0	0	0	0	0
2400	47	0	46	0	61	0	66	0	0	0	243	0	298	214	244	0	282	210	251	0	272	232	254	0	274	237	0	0	0	0	0	0	0	0

HOUR	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 150A	S	D.T. 2 150B	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	64	0	63	0	90	0	90	0	0	0	0	0	29	0	28	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	62	0	61	0	85	0	86	0	0	0	0	0	27	0	27	0	48	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	60	0	60	0	86	0	87	0	0	0	0	0	29	0	29	0	52	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	55	0	55	0	77	0	77	0	0	0	0	0	24	0	24	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	50	0	50	0	73	0	74	0	0	0	0	0	25	0	26	0	46	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	48	0	48	0	66	0	66	0	0	0	0	0	21	0	21	0	37	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	47	0	46	0	70	0	71	0	0	0	0	0	26	0	26	0	48	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	44	0	44	0	67	0	67	0	0	0	0	0	25	0	25	0	45	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	47	0	47	0	75	0	75	0	0	0	0	0	30	0	30	0	54	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	69	0	70	0	95	0	95	0	0	0	0	0	31	0	29	0	55	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	101	0	103	0	96	0	97	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	141	0	142	0	120	0	122	0	0	0	0	0	-13	0	-13	0	-23	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	131	0	132	0	122	0	124	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	117	0	119	0	103	0	105	0	0	0	0	0	-9	0	-9	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	108	0	109	0	93	0	93	0	0	0	0	0	-10	0	-11	0	-18	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	101	0	101	0	88	0	88	0	0	0	0	0	-8	0	-8	0	-14	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	92	0	92	0	84	0	84	0	0	0	0	0	-3	0	-4	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	87	0	88	0	80	0	81	0	0	0	0	0	-3	0	-4	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	84	0	85	0	78	0	78	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	84	0	85	0	77	0	78	0	0	0	0	0	-3	0	-4	0	-5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	87	0	87	0	82	0	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	85	0	85	0	82	0	83	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	89	0	89	0	83	0	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	90	0	90	0	84	0	85	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	0	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 = CALM DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 180A	S	WIND SPD4 180B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 180A	S	MAX	MIN	WIND DIR4 180B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	113	0	107	0	131	0	135	0	0	0	308	0	334	289	304	0	328	272	311	0	337	289	314	0	357	295	0	0	0	0	0	0	0	0
200	117	0	109	0	133	0	138	0	0	0	298	0	323	280	293	0	327	272	302	0	313	293	304	0	315	293	0	0	0	0	0	0	0	0
300	129	0	125	0	139	0	152	0	0	0	294	0	318	284	290	0	314	260	293	0	321	250	296	0	310	253	0	0	0	0	0	0	0	0
400	130	0	126	0	142	0	149	0	0	0	272	0	315	242	271	0	318	235	278	0	321	227	281	0	308	248	0	0	0	0	0	0	0	0
500	98	0	95	0	119	0	125	0	0	0	292	0	324	256	288	0	334	241	291	0	330	240	293	0	315	232	0	0	0	0	0	0	0	0
600	105	0	105	0	122	0	130	0	0	0	264	0	298	234	261	0	302	219	266	0	307	246	270	0	290	247	0	0	0	0	0	0	0	0
700	101	0	99	0	114	0	120	0	0	0	271	0	323	243	269	0	324	228	274	0	313	240	278	0	319	244	0	0	0	0	0	0	0	0
800	105	0	104	0	128	0	136	0	0	0	271	0	318	235	268	0	310	227	270	0	317	246	276	0	322	250	0	0	0	0	0	0	0	0
900	104	0	104	0	112	0	119	0	0	0	283	0	293	228	261	0	304	224	264	0	286	234	270	0	291	238	0	0	0	0	0	0	0	0
1000	93	0	91	0	99	0	105	0	0	0	289	0	328	243	286	0	328	244	293	0	323	256	295	0	340	249	0	0	0	0	0	0	0	0
1100	103	0	102	0	106	0	113	0	0	0	287	0	313	239	264	0	318	225	269	0	301	232	273	0	310	234	0	0	0	0	0	0	0	0
1200	97	0	97	0	105	0	111	0	0	0	287	0	306	245	264	0	302	238	285	0	295	237	271	0	298	240	0	0	0	0	0	0	0	0
1300	111	0	110	0	118	0	125	0	0	0	280	0	292	226	261	0	294	227	257	0	277	211	263	0	283	228	0	0	0	0	0	0	0	0
1400	107	0	106	0	135	0	145	0	0	0	256	0	282	236	257	0	296	233	255	0	278	232	260	0	281	232	0	0	0	0	0	0	0	0
1500	92	0	91	0	121	0	129	0	0	0	243	0	283	192	244	0	290	193	234	0	266	199	241	0	268	195	0	0	0	0	0	0	0	0
1600	71	0	68	0	92	0	93	0	0	0	240	0	300	189	244	0	298	200	230	0	257	189	233	0	257	183	0	0	0	0	0	0	0	0
1700	37	0	29	0	60	0	67	0	0	0	200	0	250	132	203	3	251	138	209	0	254	169	215	0	261	177	0	0	0	0	0	0	0	0
1800	62	0	46	0	106	0	98	0	0	0	107	0	237	164	200	0	248	160	211	0	231	193	219	0	237	199	0	0	0	0	0	0	0	0
1900	74	0	57	0	127	0	125	0	0	0	198	0	225	164	197	0	233	161	218	0	231	202	226	0	240	213	0	0	0	0	0	0	0	0
2000	79	0	71	0	146	0	152	0	0	0	183	0	226	130	186	0	239	124	196	0	209	174	204	0	220	188	0	0	0	0	0	0	0	0
2100	67	0	57	0	129	0	143	0	0	0	185	0	223	148	188	0	233	137	201	0	210	187	209	0	222	189	0	0	0	0	0	0	0	0
2200	78	0	78	0	154	0	165	0	0	0	173	0	234	125	178	0	234	121	188	0	205	170	195	0	214	177	0	0	0	0	0	0	0	0
2300	79	0	78	0	147	0	159	0	0	0	157	0	195	122	159	0	209	127	173	0	193	144	183	0	205	155	0	0	0	0	0	0	0	0
2400	84	0	87	0	141	0	147	0	0	0	157	0	193	116	160	0	199	119	177	0	199	148	188	0	211	149	0	0	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 180B	S	AMB. TEM5	S	AMB. TEMPR	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	-16	0	-16	0	-17	0	-17	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
200	-17	0	-16	0	-16	0	-16	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
300	-20	0	-20	0	-21	0	-21	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0
400	-28	0	-25	0	-27	0	-27	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
500	-34	0	-34	0	-34	0	-34	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
600	-43	0	-42	0	-42	0	-42	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
700	-47	0	-47	0	-45	0	-45	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0
800	-53	0	-52	0	-48	0	-47	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
900	-55	0	-54	0	-49	0	-48	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	-52	0	-51	0	-45	0	-44	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	-51	0	-50	0	-47	0	-46	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	-45	0	-43	0	-45	0	-44	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	-47	0	-46	0	-48	0	-47	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	-48	0	-48	0	-51	0	-50	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	-53	0	-53	0	-56	0	-56	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	-51	0	-50	0	-55	0	-55	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	-65	0	-65	0	-66	0	-66	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	-100	0	-100	0	-91	0	-91	0	0	0	0	0	5	0	5	0	9	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	-104	0	-104	0	-80	0	-80	0	0	0	0	0	17	0	17	0	30	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	-123	0	-123	0	-100	0	-100	0	0	0	0	0	11	0	11	0	19	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	-133	0	-133	0	-100	0	-100	0	0	0	0	0	19	0	20	0	34	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	-142	0	-142	0	-136	0	-135	0	0	0	0	0	6	0	7	0	10	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	-149	0	-149	0	-147	0	-147	0	0	0	0	0	1	0	2	0	1	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	-151	0	-151	0	-148	0	-148	0	0	0	0	0	3	0	3	0	5	0	0	0	-294	2	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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	47	0	42	0	102	0	89	0	0	0	193	0	235	141	195	0	250	146	204	0	219	187	212	0	224	191	0	0	0	0	0	0	0	0
200	62	0	53	0	127	0	110	0	0	0	203	0	232	159	206	0	244	154	209	0	219	189	217	0	229	194	0	0	0	0	0	0	0	0
300	68	0	57	0	138	0	120	0	0	0	198	0	232	126	203	0	267	117	208	0	222	184	216	0	232	200	0	0	0	0	0	0	0	0
400	94	0	75	0	152	0	143	0	0	0	210	0	240	185	213	0	255	168	217	0	229	206	225	0	233	214	0	0	0	0	0	0	0	0
500	107	0	88	0	185	0	182	0	0	0	213	0	235	182	217	0	249	182	219	0	232	202	228	0	239	215	0	0	0	0	0	0	0	0
600	80	0	69	0	144	0	138	0	0	0	196	0	223	162	199	0	267	142	210	0	223	196	219	0	237	203	0	0	0	0	0	0	0	0
700	83	0	71	0	150	0	141	0	0	0	208	0	262	183	212	0	252	155	214	0	230	196	222	0	235	207	0	0	0	0	0	0	0	0
800	57	0	50	0	107	0	91	0	0	0	200	0	261	110	201	0	269	131	198	0	219	176	206	0	227	175	0	0	0	0	0	0	0	0
900	56	0	47	0	83	0	76	0	0	0	164	0	213	120	169	0	258	116	174	0	196	153	183	0	203	165	0	0	0	0	0	0	0	0
1000	52	0	51	0	79	0	69	0	0	0	185	0	254	126	189	0	268	130	183	0	220	149	192	0	228	158	0	0	0	0	0	0	0	0
1100	49	0	48	0	68	0	60	0	0	0	170	0	228	109	174	0	245	110	182	0	219	151	191	0	233	155	0	0	0	0	0	0	0	0
1200	39	0	42	0	60	0	58	0	0	0	164	0	260	90	175	0	258	111	178	0	223	142	187	0	217	153	0	0	0	0	0	0	0	0
1300	43	0	44	0	81	0	80	0	0	0	178	0	252	103	179	0	267	95	177	0	214	134	187	0	220	146	0	0	0	0	0	0	0	0
1400	72	0	72	0	102	0	95	0	0	0	189	0	226	124	173	0	233	130	176	0	216	143	186	0	220	138	0	0	0	0	0	0	0	0
1500	85	0	72	0	103	0	105	0	0	0	146	0	205	109	153	0	221	120	158	0	178	130	168	0	193	146	0	0	0	0	0	0	0	0
1600	95	0	106	0	149	0	153	0	0	0	138	0	166	115	144	0	185	105	148	0	172	127	159	0	180	135	0	0	0	0	0	0	0	0
1700	102	0	111	0	171	0	177	0	0	0	135	0	166	117	142	0	174	115	138	0	150	120	150	0	163	131	0	0	0	0	0	0	0	0
1800	94	0	104	0	165	0	171	0	0	0	135	0	170	114	142	0	172	114	143	0	158	126	153	0	169	133	0	0	0	0	0	0	0	0
1900	124	0	135	0	199	0	203	0	0	0	135	0	152	117	141	0	165	116	144	0	156	130	154	0	169	139	0	0	0	0	0	0	0	0
2000	104	0	113	0	175	0	179	0	0	0	140	0	159	121	148	0	177	125	151	0	164	136	161	0	176	144	0	0	0	0	0	0	0	0
2100	124	0	129	0	192	0	195	0	0	0	134	0	159	117	141	0	170	98	141	0	162	124	159	0	169	128	0	0	0	0	0	0	0	0
2200	121	0	139	0	198	0	202	0	0	0	134	0	157	110	142	0	166	114	143	0	163	117	154	0	170	122	0	0	0	0	0	0	0	0
2300	145	0	152	0	235	0	237	0	0	0	141	0	173	122	148	0	189	116	150	0	165	131	161	0	177	144	0	0	0	0	0	0	0	0
2400	264	0	278	0	334	0	350	0	0	0	284	0	280	299	265	0	286	218	263	0	274	248	267	0	275	256	0	0	0	0	0	0	0	0

HOUR	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	-147	0	-147	0	-144	0	-144	0	0	0	0	0	3	0	3	0	5	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	-145	0	-145	0	-136	0	-136	0	0	0	0	0	8	0	8	0	14	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	-131	0	-130	0	-126	0	-125	0	0	0	0	0	6	0	6	0	10	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	-129	0	-128	0	-123	0	-123	0	0	0	0	0	5	0	6	0	9	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	-131	0	-131	0	-118	0	-118	0	0	0	0	0	14	0	14	0	25	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	-131	0	-130	0	-123	0	-123	0	0	0	0	0	9	0	9	0	16	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	-130	0	-129	0	-122	0	-122	0	0	0	0	0	8	0	8	0	14	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	-125	0	-124	0	-125	0	-125	0	0	0	0	0	0	0	0	0	0	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	-119	0	-118	0	-122	0	-122	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	-114	0	-113	0	-120	0	-120	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	-102	0	-102	0	-111	0	-111	0	0	0	0	0	-9	0	-9	0	-16	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	-84	0	-85	0	-98	0	-98	0	0	0	0	0	-12	0	-13	0	-21	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	-73	0	-74	0	-87	0	-87	0	0	0	0	0	-14	0	-13	0	-25	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	-69	0	-68	0	-82	0	-82	0	0	0	0	0	-13	0	-14	0	-23	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	-65	0	-65	0	-77	0	-78	0	0	0	0	0	-13	0	-13	0	-23	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	-60	0	-59	0	-65	0	-65	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	-59	0	-59	0	-62	0	-62	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	-56	0	-56	0	-58	0	-58	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	-51	0	-51	0	-53	0	-54	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	-50	0	-49	0	-51	0	-52	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	-51	0	-51	0	-54	0	-54	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	-49	0	-48	0	-52	0	-52	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	-37	0	-36	0	-39	0	-40	0	0	0	0	0	-3	0	-3	0	-5	0	0	0	-292	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	-20	0	-20	0	-26	0	-26	0	0	0	0	0	-5	0	-5	0	-10	0	0	0	-294	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

HOUR	WIND SPD1 30 A	S	WIND SPD2 30 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND DIR1 30 A	S	MAX	MIN	WIND DIR2 30 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR4 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S	MAX	MIN
100	345	0	356	0	358	0	354	0	0	0	269	0	289	262	269	0	291	256	269	0	279	257	274	0	285	261	0	0	0	0	0	0	0	0
200	289	0	299	0	327	0	334	0	0	0	276	0	304	251	269	0	316	220	273	0	302	257	278	0	300	255	0	0	0	0	0	0	0	0
300	258	0	263	0	288	0	293	0	0	0	273	0	309	248	271	0	315	233	277	0	313	247	281	0	314	254	0	0	0	0	0	0	0	0
400	294	0	302	0	328	0	341	0	0	0	270	0	299	249	270	0	300	252	272	0	307	251	276	0	304	250	0	0	0	0	0	0	0	0
500	251	0	238	0	320	0	326	0	0	0	299	0	319	277	295	0	322	255	303	0	318	292	305	0	320	294	0	0	0	0	0	0	0	0
600	216	0	219	0	276	0	276	0	0	0	313	0	329	295	307	0	338	255	318	0	331	300	320	0	334	302	0	0	0	0	0	0	0	0
700	252	0	250	0	301	0	302	0	0	0	307	0	325	292	303	0	332	265	312	0	327	298	314	0	330	299	0	0	0	0	0	0	0	0
800	188	0	188	0	246	0	247	0	0	0	315	0	353	292	312	0	359	276	321	0	343	295	323	0	340	305	0	0	0	0	0	0	0	0
900	180	0	182	0	240	0	240	0	0	0	321	0	351	285	315	0	346	252	327	0	355	300	330	0	353	305	0	0	0	0	0	0	0	0
1000	139	0	143	0	196	0	196	0	0	0	331	0	354	291	319	0	4	277	330	0	351	289	332	0	351	307	0	0	0	0	0	0	0	0
1100	124	0	129	0	169	0	167	0	0	0	327	0	353	288	322	0	351	277	332	0	5	313	334	0	357	310	0	0	0	0	0	0	0	0
1200	112	0	119	0	152	0	151	0	0	0	316	0	358	274	313	0	354	262	322	0	351	308	324	0	3	303	0	0	0	0	0	0	0	0
1300	105	0	107	0	130	0	131	0	0	0	315	0	337	284	310	0	3	277	323	0	7	292	324	0	8	291	0	0	0	0	0	0	0	0
1400	97	0	100	0	121	0	123	0	0	0	305	0	331	276	299	0	329	265	309	0	334	288	311	0	330	295	0	0	0	0	0	0	0	0
1500	89	0	92	0	114	0	113	0	0	0	313	0	354	280	308	0	354	280	318	0	346	297	320	0	356	296	0	0	0	0	0	0	0	0
1600	91	0	90	0	115	0	117	0	0	0	304	0	329	281	302	0	329	285	310	0	328	292	312	0	335	288	0	0	0	0	0	0	0	0
1700	67	0	70	0	90	0	89	0	0	0	323	0	22	275	319	0	10	277	331	0	354	295	333	0	1	295	0	0	0	0	0	0	0	0
1800	63	0	67	0	83	0	83	0	0	0	325	0	23	288	323	0	9	275	330	0	0	300	332	0	2	307	0	0	0	0	0	0	0	0
1900	42	0	46	0	61	0	61	0	0	0	327	0	30	291	323	0	6	273	324	0	347	294	326	0	354	277	0	0	0	0	0	0	0	0
2000	34	0	36	0	44	0	44	0	0	0	332	0	359	281	329	0	14	284	330	0	2	300	332	0	8	300	0	0	0	0	0	0	0	0
2100	57	0	59	0	85	0	88	0	0	0	132	0	153	115	137	0	164	118	150	0	166	134	161	0	177	144	0	0	0	0	0	0	0	0
2200	43	0	44	0	105	0	106	0	0	0	158	0	237	124	160	0	199	116	167	0	178	156	175	0	187	160	0	0	0	0	0	0	0	0
2300	45	0	49	0	82	0	82	0	0	0	141	0	179	116	147	0	192	94	157	0	176	137	168	0	187	146	0	0	0	0	0	0	0	0
2400	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	0	0

HOUR	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 150A	S	D.T. 2 150B	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	-22	0	-28	0	-28	0	0	0	0	0	-5	0	-6	0	-9	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
200	-20	0	-19	0	-25	0	-25	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
300	-17	0	-17	0	-22	0	-22	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
400	-19	0	-19	0	-24	0	-24	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
500	-18	0	-17	0	-22	0	-23	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
600	-27	0	-27	0	-32	0	-32	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
700	-36	0	-36	0	-42	0	-42	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
800	-43	0	-43	0	-49	0	-49	0	0	0	0	0	-5	0	-6	0	-10	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
900	-44	0	-44	0	-49	0	-49	0	0	0	0	0	-5	0	-6	0	-9	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	-44	0	-43	0	-49	0	-49	0	0	0	0	0	-5	0	-6	0	-9	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	-42	0	-41	0	-47	0	-47	0	0	0	0	0	-5	0	-6	0	-9	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	-40	0	-40	0	-46	0	-47	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	-42	0	-42	0	-48	0	-48	0	0	0	0	0	-6	0	-6	0	-10	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	-39	0	-38	0	-47	0	-47	0	0	0	0	0	-9	0	-9	0	-15	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	-35	0	-34	0	-42	0	-42	0	0	0	0	0	-8	0	-8	0	-14	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	-39	0	-38	0	-46	0	-46	0	0	0	0	0	-7	0	-7	0	-12	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	-42	0	-42	0	-47	0	-47	0	0	0	0	0	-5	0	-5	0	-9	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	-42	0	-42	0	-47	0	-47	0	0	0	0	0	-5	0	-4	0	-9	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	-40	0	-40	0	-43	0	-44	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	-38	0	-38	0	-42	0	-42	0	0	0	0	0	-4	0	-4	0	-7	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	-68	0	-68	0	-70	0	-70	0	0	0	0	0	-2	0	-2	0	-3	0	0	0	19	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	-74	0	-73	0	-67	0	-67	0	0	0	0	0	7	0	7	0	12	0	0	0	-4	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	-82	0	-82	0	-77	0	-77	0	0	0	0	0	5	0	5	0	9	0	0	0	-294	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	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

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, DET RADIATION .01 LANGLEY