Donald C. Cook Nuclear Plant • Units 1 & 2

Semi-Annual Radioactive Effluent Release Report

January 1, - June 30, 1982

Indiana & Michigan Electric Company
Bridgman, Michigan

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

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I. INTRODUCTION

This report discusses the radioactive discharges from Units 1 and 2 of the Donald C. Cook Nuclear Plant during the first half of 1982. The format presented in Section 5.4.1A "Appendix B Technical Specifications" Part I for the facility has been followed in preparing this document.

UNIT

Unit 1 entered this period in Mode 5, after it was taken to cold shutdown on December 29, 1981, due to a Pressurizer Spray Valve packing leak. After the repair was completed, the Unit was returned to service on January 10, 1982. On January 31, 1982, the Main Turbine tripped from high vibration and the reactor was shut down. Following the completion of the Main Turbine repairs, the Unit was returned to service on March 5, 1982. The Unit tripped on April 27, 1982 due to low vacuum on the Main Turbine Condenser and was returned to service on April 28, 1982. On May 19, 1982, a false low pressure stator cooling water indicator from the main electrical generator tripped the Unit. The Unit was returned to service on May 22, 1982. The Unit end-of-cycle commenced on June 24, 1982 and the Unit coastdown began prior to the scheduled refueling outage.

UNIT 2

Unit 2 entered this period operating at full power. On January 16, 1982, the Unit tripped from an unknown cause and the dose equivalent I-131 spiked and exceeded the T/S limit of 1.0 uCi/gm. The Unit was returned to service on January 18, 1982. On February 22, 1982, the Unit tripped due to low vacuum that occured while removing "B" North Condenser from service for tube repairs. The Unit was returned to service on February 23, 1982. The Unit was removed from service on March 11, 1982 for repairs to the RC pump seals and checks on the windings of RCP Motor No. 23. The Unit was returned to service on March 31, 1982 and reached full power on April 2, 1982. The Unit essentiallyremained at 100% power for the rest of the reporting period.

Further details on Plant operations may be obtained from the Monthly Operating Reports issued during this reporting period.

II. RADIOACTIVE RELEASES

Since a number of release points are common to both Units, the release data from both Units were combined to form this two-Unit Semi Annual Radioactive Release Report. Appendix A presents this information in accordance with the format described in Section 5.4.1A of Appendix B, Part I, to the Facility Operating Licensing 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 40 Batch releases in the first quarter and 25 Batch releases in the second quarter of 1982. 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

The gaseous releases consisted of 12 Batch releases in the first quarter and 10 Batch releases in the second quarter of 1982. Doses were estimated separately for the larger releases using the meausured 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 3,407,030 Mwh Gross of electric energy. The Monthly Operating Reports indicate that during the reporting period, Unit 1 was operating at a Unit Service Factor of 74.9% and at an average Unit Capacity Factor of 72.5%.

Unit 2 generated 4,136,080 Mwh Gross of electric energy during the first six months of 1982. During the reporting period, Unit 2 operated at a 88.1% Unit Service Factor and at an average Unit Capacity Factor of 84.9%.

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

January 1, 1982 to June 30, 1982

PATHWAY		Whole Body	Skin	Thyroid	G. I. Tract	Bone
(A)	Liquid					
	Drinking Water	5.20E-4	-	4.43E-3	3.57E-4	4.53E-4
	Fish Consumption	1.79E-2	-	1.14E-3	3.33E-3	1.53E-2
	Shoreline Activities	4.55E-4	5.33E-4	-	-	-
	Swimming	6.31E-6	7.86E-6	-	-	-
	Boating	3.15E-6	3.93E-6	-	-	-
	TOTAL FOR LIQUIDS	1.89E-2	5.45E-4	5.56E-3	3.68E-3	1.57E-2
	POPULATION DOSE (man-rem)	11.8				
(B)	Gaseous					
	Air Submersion*	2.20E-3	2.70E-2			
	Inhalation*			5.40E-3		
	Adult Leafy Vegetable Consumption**			6.50E-3		
	TOTAL FOR GASEOUS	2.20E-3	2.70E-2	1.19E-2		
	POPULATION DOSE (man-rem)	1.67E-2				
(C)	TOTAL FROM THIS REPORT (Liquid and Gaseous)	2.11E-2	2.76E-2	1.75E-2	3.68E-3	1.57E-2
	Infant Thyroid Doses					
	Milk Pathway***			0.0		
	Inhalation**			4.50E-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 - 1st HALF OF 1982

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

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

$\overline{E}_{i_\beta}$ = 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

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

and,

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

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

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

and,

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

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 - 0.145

γ - 0.054

4. Measurements and Approximations of Total Radioactivity

a. Fission and Activation Gases:

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

b. Iodines:

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

c. Particulates:

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

d. Liquid Effluents:

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

5. Batch Releases

a. Liquid:

(1) Number of batch releases:

40 releases in the 1st quarter, 1982

25 releases in the 2nd quarter, 1982

(2) Total time period for batch releases:

10359 minutes

(3) Maximum time for a batch release:

215 minutes

(4) Average time period for batch releases:

159 minutes

(5) Minimum time period for a batch release:

103 minutes

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

732,462 gpm Circulating water

b. Gaseous:

(1) Number of batch releases:

12 in 1st quarter, 1982

10 in 2nd quarter, 1982

(2) Total time period of batch releases:

1525 minutes

(3) Maximum time period for a batch release:

90 minutes

(4) Average time period for batch releases:

69 minutes

(5) Minimum time period for a batch release:

45 minutes

6. Abnormal Releases:

a. Liquid:

(1) Number of releases:

0

(2) Total activity releases:

0 Ci

b. Gaseous:

(1) Number of releases:

4

(2) Total activity released:

2.305 E+2 Ci

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT - 1982

GASEOUS EFFLUENTS - ELEVATED RELEASE

Nuclides Released	Unit	CONTINUOUS MODE 1st QUARTER	CONTINUOUS MODE 2nd QUARTER	BATCH MODE 1st QUARTER	BATCH MODE 2nd QUARTER
1. FISSION GASES					
Krypton - 85	Ci		1.737E-2	1.682E 0	4.901E 0
Krypton - 85m	Ci	3.818E-1	9.087E-1	5.463E-2	
Krypton - 87	Ci	1.971E-1	5.282E-1		
Krypton - 88	Ci	1.035E-1	5.011E-1		
Xenon - 133	Ci	1.872E+2	6.073E+1	1.784E+2	9.017E 0
Xenon - 135	Ci	2.214E 0	7.120E 0	1.494E 0	
Xenon - 135m	Ci				
Xenon - 138	Ci				
Xenon - 133m	Ci	1.823E-1	4.351E-1	1.120E 0	3.912E-3
Xenon - 131m	Ci	1.773E-1	2.919E-1	2.361E-1	4.037E-1
Argon - 41	Ci	3.493E-2	3.210E-1		
Total for period	Ci	1.905E+2	7.085E+1	1.830E+2	1.433E+1
2. IODINES					
Iodine - 131	Ci	2.639E-3	1.037E-3	3.771E-3	2.598E-5
Iodine - 133	Ci	1.854E-3	1.409E-3	8.907E-4	
Iodine - 135	Ci		4.536E-4	1.548E-4	
Iodine - 130	Ci			2.503E-5	
Total for period	Ci	4.493E-3	2.900E-3	4.842E-3	2.598E-5
3. PARTICULATES					
Strontium - 89	Ci	1.244E-6	*		
Strontium - 90	Ci	7.567E-7	*		
Cesium - 134	Ci	1.588E-4	1.194E-4		
Cesium - 137	Ci	4.110E-4	2.246E-4		2.987E-8
Barium-lanthanum - 140	Ci				
Cobalt - 60	Ci	2.206E-4	7.218E-6	1.344E-6	
Cobalt - 58	Ci	1.359E-5	8.232E-6		
Total for Period	Ci	8.060E-4	3.595E-4	1.344E-6	2.987E-8

* Sr-89 and Sr-90 will be reported later when the analysis by Eberline is complete.

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT - 1982

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Units	1st Quarter	2nd Quarter	Est. Total Error, %
A. FISSION AND ACTIVATION GASES				
1. Total release	Ci	3.735E+2	8.518E+1	13.1
2. Average release rate for period	µCi/Sec	4.803E+1	1.083E+1	
3. Percent of technical specification limit	%	2.326E-1	6.625E-2	
B. IODINES				
1. Total iodine - 131	Ci	6.410E-3	1.063E-3	4.7
2. Average release rate for period	µCi/Sec	8.243E-4	1.352E-4	
3. Percent of technical specification limit	%	1.484E-1	2.434E-2	
C. PARTICULATES				
1. Particulates with half-lives > 8 days	Ci	8.073E-4	3.595E-4	26.2
2. Average release rate for period	µCi/Sec	1.038E-4	4.572E-5	
3. Percent of technical specification limit	%	1.869E-2	8.230E-3	
4. Gross alpha radioactivity	Ci	<3.342E-5	<3.916E-5	
D. TRITIUM				
1. Total release	Ci	5.449E-1	5.946E-1	2.2
2. Average release of rate for period	µCi/Sec	7.007E-2	7.563E-2	
3. Percent of technical specification limit	%	4.539E-1	5.235E-1	

FORM III

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT - 1982

LIQUID EFFLUENTS

Nuclides Released		BATCH MODE 1st Quarter	BATCH MODE 2nd Quarter	CONTINUOUS MODE 1st Quarter	CONTINUOUS MODE 2nd Quarter
Strontium - 89	Ci	1.503E-3	*		*
Strontium - 90	Ci	1.408E-4	*		*
Cesium - 134	Ci	3.647E-2	2.752E-2	5.138E-3	1.813E-2
Cesium - 137	Ci	6.554E-2	4.947E-2	2.175E-2	4.299E-2
Iodine - 131	Ci	3.495E-2	4.232E-2	1.010E-2	5.217E-3
Cobalt - 58	Ci	2.240E-1	1.506E-1	1.327E-2	2.760E-3
Cobalt - 60	Ci	6.514E-2	4.975E-2	9.791E-3	7.293E-4
Iron - 59	Ci	9.563E-5			
Zinc - 65	Ci	7.187E-4	4.961E-4		
Manganese - 54	Ci	5.753E-3	3.718E-3		
Chromium - 51	Ci	9.233E-3	2.013E-3	1.782E-3	
Zirconium-Niobium - 95	Ci	6.508E-3	2.075E-3	1.125E-4	
Molybdenum - 99	Ci				
Technetium - 99m	Ci				
Barium-Lanthanum - 140	Ci				
Cerium - 139	Ci	2.679E-4	2.847E-4		1.854E-5
Cesium - 136	Ci	1.450E-3	1.980E-3	6.460E-4	9.320E-5
Sodium - 24	Ci		3.643E-4		
Iodine - 133	Ci	1.217E-3	1.528E-3	3.473E-3	2.932E-3
Cobalt - 57	Ci	2.180E-4	1.850E-4		
Zirconium - 97	Ci	1.595E-4			
Silver - 110m	Ci	7.761E-3	1.501E-3		
Antimony - 124	Ci	1.110E-2	6.035E-3		
Iodine - 135	Ci				7.094E-4

* Sr-89 and Sr-90 will be reported later when the analysis by Eberline is complete.

FORM IV

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT - 1982

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	Unit	BATCH 1st Quarter	BATCH 2nd Quarter	CONTINUOUS 1st Quarter	CONTINUOUS 2nd Quarter	Est. To Error,
A. FISSION AND ACTIVIATION PRODUCTS						
1. Total Release (Not including Tritium, Alpha, Gases)	Ci	5.069E-1	3.398E-1	6.606E-2	7.358E-2	2.54
2. Average diluted concentration during period	µci/ml	2.765E-8	3.267E-8	1.189E-10	8.091E-11	
3. Percent of applicable limit	%	7.184E-1	1.460E 0	7.071E-3	2.718E-3	
B. TRITIUM						
1. Total Release	Ci	5.125E+2	1.721E+2	6.604E-1	6.923E 0	0.35
2. Average diluted concentration during period	µci/ml	2.796E-5	1.655E-5	1.189E-9	7.613E-9	
3. Percent of applicable limit	%	9.320E-1	5.516E-1	3.962E-5	2.538E-4	
DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	1.543E 0	5.609E-1	3.531E-2	6.095E-2	12.40
2. Average diluted concentration during period	µci/ml	8.418E-8	5.393E-8	6.355E-11	6.702E-11	
3. Percent of applicable limit	%	*	*	*	*	-
D. GROSS ALPHA RADIOACTIVITY						
1. Total Release	ci	<1.164E-3	<1.182E-3			
E. VOLUME OF WASTE RELEASED	Liters	2.624E+6	1.641E+6	1.407E+8	1.882E+8	2.00
F. VOLUME OF DILUTION WATER USED DURING PERIOD	Liters	1.833E+10	1.040E+10	5.556E+11	9.094E+11	3.48

* No Applicable Limit

1st Half

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SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid waste shipped offsite for burial or disposal

1. Type of waste	Unit	1st 6-month period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m^3	1.367E+2	1 E 0
	Ci	5.997E+2	4 E 0
b. Dry compressible waste, contaminated equipment, etc.	m^3	1.775E+2	1 E 0
	Ci	2.598E+1	2 E 0
c. Irradiated components, control rods, etc.	m^3		
	Ci		
d. Other	m^3		
	Ci		

2. Estimate of major nuclide composition

a.	CS-137	30 %
	CS-134	15 %
	CO-58	35 %
	CO-60	20 %
b.	Co-60	7 %
	Co-58	75 %
	Cs-137	18%

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
25	Truck	21-Barnwell, South Carolina
		4-Richland, Washington

Release No.	Stop Date	Stop Time	H_3	I-131	I-133	Xe-133	Xe-133m	Xe-135	Xe-131m	Kr-85	Co-60	I-130	I-135	Kr-85m	Cs-137	
G-82-1	01-01-82	1403	1.179E-5	5.748E-6	2.673E-7	1.032E-1	5.316E-4	3.203E-4	1.818E-2	1.238E-1	1.788E-7					
	01-01-82	1448														
G-82-2	01-03-82	1043	3.181E-6	1.789E-6	1.839E-7	8.212E-3		2.366E-5	9.454E-3	1.024E-1	5.160E-7					
	01-03-82	1132														
G-82-3	01-04-82	1920	4.988E-6	1.187E-6		1.810E-2	1.227E-4		9.283E-3	9.806E-2	4.626E-7					
	01-04-82	2025														
G-82-4	01-13-82	1009	1.193E-4	2.058E-5		2.047E0	6.636E-3			1.039E-1						
	01-13-82	1104														
G-82-5	02-02-82	1210	1.099E-3	2.123E-6	1.317E-6	2.456E0	1.946E-2	4.433E-3								
	03-02-82	0349														
G-82-6	02-01-82	0915	1.240E-5	2.823E-6		1.394E-1			1.223E-2	9.752E-2						
	02-01-82	1017														
G-82-7	02-02-82	1210	2.347E-3	3.915E-6	1.391E-6	1.055E0		9.280E-3								
	03-02-82	0349														
G-82-8	02-02-82	1210	2.038E-5	1.257E-7	5.354E-8	5.649E-2	5.207E-4	4.406E-4								
	03-02-82	0349														
G-82-9	02-01-82	2152	2.372E-5	1.186E-5		2.715E-1			4.557E-2	1.519E-1						
	02-01-82	2304														
G-82-10	02-03-82	0320	1.799E-5	5.607E-6		2.197E-1	6.223E-4	2.973E-4	1.978E-2	1.193E-1						
	02-03-82	0442														
G-82-11	02-03-82	1344	2.997E-6	3.744E-6		9.246E-2			7.939E-3	4.923E-2	1.051E-7					
	02-03-82	1456														
G-82-12	03-10-82	1937	3.056E-5	8.360E-7		2.397E-2			1.354E-2	1.206E-1						
	03-10-82	2040														
G-82-13	03-10-82	1706	2.624E-5	5.815E-6		1.452E-1			2.967E-2	1.691E-1						
	03-10-82	1822														
G-82-14	03-12-82	0457	1.230E-2	2.185E-3	3.621E-4	6.804E+1	6.118E-1	6.097E-1					4.370E-5	1.954E-2		
	03-28-82	2216														
G-82-15	03-12-82	0457	6.223E-3	1.479E-3	5.128E-4	3.097E+1	4.665E-1	8.471E-1				2.485E-5	1.085E-4	3.422E-2		
	03-28-82	2216														
G-82-16	03-12-82	0504	2.186E-4	3.895E-5	1.262E-5	1.321E0	1.365E-2	2.289E-2				1.808E-7	2.564E-6	8.743E-4		
	03-28-82	2216														
G-82-17	03-19-82	2208	1.262E-5	9.629E-7		1.052E-1	1.060E-4		2.994E-2	2.395E-1						
	03-19-82	2308														
G-82-18	03-31-82	1440	4.295E-6	7.536E-7		2.336E-1			4.046E-2	3.072E-1	8.122E-8					
	03-31-82	1610														
G-82-19	04-28-82	0537	1.184E-5	2.636E-7		1.443E-2			1.840E-2	3.671E-1						
	04-28-82	0648														
G-82-20	04-28-82	1838	1.504E-5	1.478E-6		2.644E-1			8.501E-2	8.456E-1						
	04-28-82	1940														
G-82-21	05-20-82	1729	5.224E-6	4.338E-8		8.312E-4			4.633E-3	3.308E-1						
	05-20-82	1833														
G-82-22	06-10-82	1950	2.767E-5	4.934E-7		1.943E-2			1.770E-2	8.108E-1						
	06-10-82	2117														
G-82-23	06-14-82	0850	8.670E-5	5.774E-8		1.014E-3			1.361E-2	7.370E-1						
	06-14-82	1005														
G-82-24	06-19-82	1648	1.480E-5	9.017E-8		2.386E-2			1.748E-2	9.710E-1						
	06-19-82	1802														
G-82-25	06-19-82	1921	4.752E-5	9.653E-6		9.077E-1										
	06-19-82	2040														
G-82-26	06-19-82	2156	4.385E-5	3.450E-6		2.675E-1	3.912E-3			8.388E-1					2.987E-8	
	06-19-82	2317														
G-82-27	06-20-82	0033	1.458E-4	6.024E-6		4.727E0			1.609E-1							
	06-20-82	0149														
G-82-28	06-21-82	1655	2.250E-4	4.422E-6		2.791E0			8.598E-2							
	06-21-82	1809														

B-1 METEOROLOGICAL DATA FOR THE FIRST QUARTER OF 1982

Cook Meteorological Tower
Joint Frequency Table Wind Speed and Wind Direction 50 feet Versus Delta Temperature 180-30 feet
First Quarter 1982 (1/1/82 - 3/31/81)

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: A

ELEVATION: SPEED:SPS0A DIRECTION:WD50A LAPSE:DT180A

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	0	0	0	0	1
NE	0	1	3	0	0	0	4
ENE	1	0	0	0	0	0	1
E	0	3	1	1	0	0	5
ESE	1	1	0	2	0	0	4
SE	1	9	8	0	0	0	18
SSE	1	11	4	2	0	0	18
S	1	14	6	1	0	0	22
SSW	1	7	4	0	0	0	12
SW	1	1	1	0	0	0	3
WSW	1	4	14	11	0	0	30
W	2	2	1	0	0	0	5
WNW	0	6	5	2	0	0	13
NW	1	1	0	1	0	0	3
NNW	2	0	1	0	0	0	3
VARIABLE	5	0	0	0	0	0	5

TOTAL 142
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 27

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: B

ELEVATION: SPEED:SPS0A DIRECTION:WD50A LAPSE:DT180A

WIND SPEED(MPH)

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

TOTAL 89
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 27

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: C

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	4	1	0	0	0	5
NNE	0	3	3	0	0	0	6
NE	1	1	3	0	0	0	5
ENE	0	0	3	0	0	0	3
E	0	1	5	2	0	0	8
ESE	0	1	1	3	0	0	5
SE	0	2	1	2	0	0	5
SSE	1	2	3	1	0	0	7
S	0	4	1	0	0	0	5
SSW	0	1	1	0	0	0	2
SW	0	1	3	3	0	0	7
WSW	1	5	3	0	1	3	13
W	1	0	1	1	0	2	5
WNW	0	4	0	2	1	8	15
NW	0	3	1	6	0	10	20
NNW	0	2	1	0	3	0	6
VARIABLE	0	0	0	0	0	0	0

TOTAL 117
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 27

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: D

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	21	15	7	1	0	46
NNE	3	26	22	18	1	0	70
NE	5	22	22	5	0	0	54
ENE	7	20	23	3	0	0	53
E	0	31	45	37	3	0	116
ESE	3	16	19	52	27	6	123
SE	4	18	14	21	5	1	63
SSE	1	14	19	1	0	0	35
S	1	8	6	2	0	0	17
SSW	1	10	8	3	0	0	22
SW	2	11	27	5	3	0	48
WSW	1	11	20	15	3	13	63
W	0	7	21	31	21	35	115
WNW	2	11	23	41	35	45	157
NW	3	7	12	25	7	11	65
NNW	2	12	16	30	9	0	69
VARIABLE	11	0	0	0	0	0	11

TOTAL 1116
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 27

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: E

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	2	0	0	0	0	4
NNE	4	4	5	1	0	0	14
NE	1	6	1	0	0	0	8
ENE	0	4	0	0	0	0	4
E	4	10	5	5	1	0	25
ESE	1	14	18	5	4	0	42
SE	2	15	11	10	0	0	38
SSE	2	12	26	5	0	0	46
S	1	18	21	0	0	0	40
SSW	1	16	17	6	0	0	40
SW	4	8	32	27	2	0	73
WSW	2	15	25	15	13	0	70
W	2	5	7	8	5	13	40
WNW	3	6	11	10	2	0	32
NW	3	6	7	5	0	0	21
NNW	1	6	3	1	0	1	12
VARIABLE	7	0	0	0	0	0	7

TOTAL 509
PERIODS OF CALM(HOURS): 1
HOURS OF MISSING DATA: 27

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: F

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND SPEED(MPH)

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

TOTAL 87
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 27

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: G

ELEVATION: SPEED:SPS0A DIRECTION:WD50A LAPSE:DT180A

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	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	2	3	0	0	0	5
ESE	0	2	1	0	0	0	3
SE	0	4	0	0	0	0	4
SSE	1	11	2	0	0	0	14
S	1	13	6	0	0	0	20
SSW	0	6	5	0	0	0	11
SW	1	3	2	0	0	0	6
WSW	0	1	0	5	0	0	6
W	0	0	0	1	3	0	4
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 73
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 27

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: ALL

ELEVATION: SPEED:SPS0A DIRECTION:WD50A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5	29	17	7	1	0	59
NNE	8	33	30	19	1	0	91
NE	7	30	29	5	0	0	71
ENE	9	27	26	3	0	0	65
E	5	52	62	48	4	0	171
ESE	6	42	42	63	31	6	190
SE	8	54	39	35	5	2	143
SSE	7	59	58	9	1	0	135
S	4	71	40	3	0	0	118
SSW	3	47	35	9	0	0	94
SW	8	30	72	35	6	0	151
WSW	7	44	72	53	21	19	216
W	5	20	31	44	35	52	187
WNW	5	27	41	57	39	59	228
NW	8	17	21	38	7	27	118
NNW	5	24	21	33	12	1	96
VARIABLE	24	0	0	0	0	0	24

TOTAL 2133
PERIODS OF CALM(HOURS): 1
HOURS OF MISSING DATA: 27

Cook Meteorological Tower
Joint Frequency Table Wind Speed and Wind Direction 150 feet
Versus Delta Temperature 180-30 feet
First Quarter (01/01/82-03/31/82)

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: A

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

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	1	0	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	3	0	0	3
ESE	0	0	0	1	0	0	1
SE	1	8	2	2	0	0	13
SSE	0	7	4	5	1	1	18
S	0	6	21	9	2	1	39
SSW	0	5	4	3	0	0	12
SW	1	1	4	3	0	0	9
WSW	0	1	4	9	6	0	20
W	1	3	0	0	0	0	4
WNW	0	6	2	1	2	0	11
NW	0	3	2	0	0	0	5
NNW	3	1	0	1	1	0	6
VARIABLE	1	0	0	0	0	0	1

TOTAL 142
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 34

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: B

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

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

TOTAL 89
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 34

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 82010101-82033124

STABILITY CLASS: C

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

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

TOTAL 118
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 34

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 82010101-82033124

STABILITY CLASS: D

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	22	33	23	19	3	100
NNE	0	14	15	18	7	2	56
NE	4	23	21	7	0	0	55
ENE	2	10	26	16	0	0	54
E	0	19	23	52	19	3	116
ESE	3	10	11	19	34	20	97
SE	1	9	6	20	19	7	62
SSE	0	4	14	11	2	0	31
S	0	3	8	14	1	3	29
SSW	1	1	21	3	0	3	29
SW	0	2	11	24	8	3	48
WSW	0	12	4	17	9	20	62
W	1	4	5	30	21	32	93
WNW	0	7	8	24	42	56	137
NW	2	7	8	15	16	28	76
NNW	2	2	8	21	23	9	65
VARIABLE	2	0	0	0	0	0	2

TOTAL 1110
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 34

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: E

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	5	0	1	1	9
NNE	2	4	6	2	0	0	14
NE	0	2	6	1	0	0	9
ENE	0	6	2	0	0	0	8
E	1	8	1	6	5	1	22
ESE	1	3	7	8	2	3	24
SE	1	3	16	11	3	2	36
SSE	1	3	5	14	13	5	41
S	1	4	11	25	11	1	53
SSW	2	1	12	26	9	4	54
SW	4	3	8	20	21	9	65
WSW	1	3	11	10	7	19	51
W	3	5	12	10	8	16	54
WNW	1	8	4	9	5	3	30
NW	4	3	3	6	7	1	23
NNW	4	4	3	1	4	0	16
VARIABLE	2	0	0	0	0	0	2

TOTAL 509
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 34

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: F

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

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	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	2	0	0	0	2
E	0	0	2	1	0	0	3
ESE	0	1	3	1	1	0	6
SE	0	1	3	0	0	0	4
SSE	1	1	2	3	0	0	7
S	1	5	5	5	0	0	16
SSW	0	3	2	0	0	0	5
SW	0	3	3	2	0	1	9
WSW	1	1	4	2	0	6	14
W	0	2	4	1	3	8	18
WNW	0	0	2	0	0	0	2
NW	0	0	0	0	1	0	1
NNW	0	0	0	0	0	0	0
VARIABLE	0	0	0	0	0	0	0

TOTAL 87
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 34

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: G

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

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	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	1	0	0	1
ESE	0	1	3	3	0	0	7
SE	0	1	1	0	0	0	2
SSE	1	1	1	1	0	0	4
S	0	3	5	5	0	0	13
SSW	0	4	8	2	0	0	14
SW	0	1	8	3	0	0	12
WSW	3	3	3	1	0	1	11
W	0	1	0	0	0	8	9
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 73
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 34

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82010101-82033124

STABILITY CLASS: ALL

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	29	47	23	20	4	123
NNE	3	20	23	20	7	2	75
NE	5	23	30	8	5	0	71
ENE	3	16	30	18	0	0	67
E	2	30	32	69	26	4	163
ESE	4	15	25	36	37	23	140
SE	4	27	29	38	23	9	130
SSE	3	17	30	40	17	9	116
S	2	22	53	59	15	6	157
SSW	3	14	49	36	9	7	118
SW	6	12	44	59	31	13	165
WSW	6	24	30	43	24	52	179
W	5	18	21	44	32	66	186
WNW	1	25	18	34	51	73	202
NW	6	15	15	24	29	48	135
NNW	10	9	12	27	29	12	99
VARIABLE	6	0	0	0	0	0	6

TOTAL 2126
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 34

B-2 METEOROLOGICAL DATA FOR THE SECOND QUARTER OF 1982

Cook Meteorological Tower
Joint Frequency Table Wind Speed and Wind Direction 50 feet
Versus Delta Temperature 180-30 feet
Second Quarter (4/1/82 - 6/30/82)

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: A

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5	9	1	0	0	0	15
NNE	4	9	2	0	0	0	15
NE	2	4	1	0	0	0	7
ENE	3	8	0	0	0	0	11
E	1	6	1	0	0	0	8
ESE	1	9	6	6	1	0	23
SE	2	10	7	6	0	0	25
SSE	4	15	7	1	0	0	27
S	0	10	3	0	0	0	13
SSW	0	8	9	0	0	0	17
SW	1	10	8	2	0	0	21
WSW	1	27	24	0	0	0	52
W	7	12	7	0	0	0	26
WNW	6	26	9	1	1	0	43
NW	8	29	7	1	0	0	43
NNW	3	14	6	0	0	0	24
VARIABLE	16	0	0	0	0	0	16

TOTAL 370
PERIODS OF CALM(HOURS): 1
HOURS OF MISSING DATA: 41

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: B

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND SPEED(MPH)

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

TOTAL 65
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 41

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: C

ELEVATION: SPEED:SPS0A DIRECTION:WDS0A LAPSE:DT180A

WIND SPEED(MPH)

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

TOTAL 84
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 41

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: D

ELEVATION: SPEED:SPS0A DIRECTION:WDS0A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	20	12	0	0	0	35
NNE	3	26	50	29	4	0	112
NE	6	11	23	9	3	0	51
ENE	4	6	3	0	0	0	13
E	2	14	14	4	7	0	41
ESE	0	6	14	25	1	0	46
SE	1	6	12	5	4	0	28
SSE	2	2	2	0	0	0	6
S	3	2	1	0	0	0	7
SSW	0	4	2	0	0	0	6
SW	0	3	17	4	0	0	24
WSW	6	20	17	14	0	5	62
W	2	19	8	15	3	7	55
WNW	3	8	8	15	5	3	43
NW	5	11	5	7	4	0	33
NNW	3	25	20	9	1	0	58
VARIABLE	15	0	0	0	0	0	15

TOTAL 620
PERIODS OF CALM(HOURS): 4
HOURS OF MISSING DATA: 41

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 82040101-82063024

STABILITY CLASS: E

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	6	7	1	0	0	0	14
NNE	4	9	10	4	0	0	28
NE	2	13	8	0	0	0	23
ENE	6	13	5	0	0	0	25
E	3	21	11	2	0	0	39
ESE	4	22	39	13	2	0	81
SE	3	17	30	11	1	0	62
SSE	2	10	9	3	0	0	25
S	2	32	7	1	0	0	42
SSW	2	18	15	1	0	0	36
SW	1	15	36	10	2	0	65
WSW	3	25	26	18	1	1	75
W	5	13	7	11	8	1	45
WNW	4	5	4	8	0	0	21
NW	0	11	4	1	0	0	16
NNW	5	12	3	0	0	0	20
VARIABLE	18	0	0	0	0	0	21

TOTAL 617
PERIODS OF CALM(HOURS): 8
HOURS OF MISSING DATA: 41

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 82040101-82063024

STABILITY CLASS: F

ELEVATION: SPEED:SP50A DIRECTION:WD50A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	3	0	0	0	0	3
NNE	4	2	2	0	0	0	9
NE	3	4	2	0	0	0	9
ENE	3	5	2	0	0	0	10
E	2	5	3	0	0	0	10
ESE	1	20	3	1	0	0	26
SE	4	21	8	0	0	0	33
SSE	1	18	4	0	0	0	23
S	1	13	4	0	0	0	18
SSW	3	26	1	0	0	0	30
SW	3	12	9	1	1	0	26
WSW	4	6	7	5	0	0	22
W	4	7	5	1	1	1	19
WNW	1	3	0	2	0	0	7
NW	4	1	1	0	0	0	6
NNW	3	6	0	0	0	0	9
VARIABLE	10	0	0	0	0	0	12

TOTAL 260
PERIODS OF CALM(HOURS): 3
HOURS OF MISSING DATA: 41

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: G

ELEVATION: SPEED:SPS0A DIRECTION:WDS0A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	1	0	0	0	0	2
NNE	0	1	1	0	0	0	2
NE	0	6	1	0	0	0	7
ENE	1	6	1	0	0	0	8
E	2	3	4	0	0	0	9
ESE	0	8	7	1	0	0	16
SE	2	21	4	0	0	0	27
SSE	1	17	0	0	0	0	18
S	0	8	0	0	0	0	8
SSW	1	5	2	0	0	0	8
SW	1	0	0	0	0	0	2
WSW	1	2	3	6	0	1	13
W	1	0	1	0	0	0	2
WNW	0	2	0	0	0	0	2
NW	0	0	0	0	0	0	0
NNW	2	0	1	0	0	0	3
VARIABLE	2	0	0	0	0	0	2

TOTAL 127
PERIODS OF CALM(HOURS): 1
HOURS OF MISSING DATA: 41

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: ALL

ELEVATION: SPEED:SPS0A DIRECTION:WDS0A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	17	45	15	0	0	0	77
NNE	15	52	71	33	4	0	177
NE	14	40	35	9	3	0	101
ENE	17	40	11	0	0	0	69
E	10	51	36	7	7	0	113
ESE	6	68	77	48	4	0	205
SE	12	76	63	26	7	0	184
SSE	10	62	23	4	0	0	100
S	6	65	15	1	0	0	88
SSW	6	62	31	2	0	0	101
SW	6	44	76	18	3	0	149
WSW	16	90	88	46	1	7	249
W	19	54	32	27	12	10	155
WNW	15	49	22	29	8	4	127
NW	16	56	17	14	6	9	119
NNW	19	61	35	12	1	0	129
VARIABLE	67	0	0	0	0	0	73

TOTAL 2143
PERIODS OF CALM(HOURS): 17
HOURS OF MISSING DATA: 41

Cook Meteorological Tower
Joint Frequency Table Wind Speed and Wind Direction 150 feet
Versus Delta Temperature 180-30 feet
Second Quarter (4/1/82 - 6/30/82)

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: A

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	5	16	1	0	0	25
NNE	4	5	1	1	0	0	11
NE	1	6	2	0	0	0	9
ENE	2	1	4	0	0	0	7
E	1	7	3	0	1	0	12
ESE	0	3	5	7	2	0	17
SE	0	3	5	4	1	1	14
SSE	1	5	16	6	5	0	33
S	1	7	10	5	1	0	24
SSW	1	1	9	8	0	0	19
SW	0	10	14	8	1	0	33
WSW	2	13	18	3	0	0	36
W	3	6	4	1	1	0	15
WNW	2	22	13	2	0	0	39
NW	2	27	11	2	1	1	44
NNW	4	13	10	1	0	0	29
VARIABLE	8	0	0	0	0	0	8

TOTAL 367
PERIODS OF CALM(HOURS): 1
HOURS OF MISSING DATA: 50

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: B

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

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

TOTAL 65
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 50

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: C

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

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

TOTAL 83
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 50

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: D

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	19	27	31	9	0	86
NNE	4	13	25	46	12	4	104
NE	6	8	6	4	0	3	27
ENE	1	10	6	2	1	0	20
E	1	3	12	7	3	5	31
ESE	1	4	9	17	14	0	45
SE	0	4	4	7	3	5	23
SSE	0	0	3	5	2	0	10
S	0	1	0	2	0	0	3
SSW	1	1	7	4	2	0	15
SW	1	6	8	19	3	1	38
WSW	3	6	14	7	8	5	43
W	5	14	11	11	6	8	55
WNW	3	3	6	9	11	6	38
NW	4	7	1	7	5	1	85
NNW	3	17	13	11	6	4	54
VARIABLE	6	0	0	0	0	0	6

TOTAL 617
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 50

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: E

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	7	8	2	0	0	21
NNE	3	8	10	6	2	0	29
NE	3	10	11	4	0	0	28
ENE	3	9	6	5	0	0	24
E	1	8	15	7	3	0	34
ESE	0	10	15	24	8	1	58
SE	1	5	18	23	9	3	59
SSE	1	2	7	12	3	5	31
S	1	3	16	22	2	1	45
SSW	2	5	18	24	4	0	53
SW	2	6	12	29	11	3	63
WSW	2	12	14	13	15	4	60
W	2	17	8	5	5	6	44
WNW	0	5	2	4	13	1	25
NW	5	8	4	2	4	0	23
NNW	2	7	6	1	0	0	17
VARIABLE	10	0	0	0	0	0	11

TOTAL 614
PERIODS OF CALM(HOURS): 5
HOURS OF MISSING DATA: 50

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD= 82040101-82063024

STABILITY CLASS: F

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	3	4	0	0	0	7
NNE	2	4	1	1	0	0	8
NE	2	8	9	1	0	0	20
ENE	0	3	2	1	0	0	6
E	4	3	1	2	0	0	10
ESE	0	6	7	4	1	0	18
SE	0	2	9	11	0	0	22
SSE	0	2	2	13	1	0	18
S	5	3	11	19	1	0	39
SSW	1	3	5	18	0	9	28
SW	1	4	5	4	1	0	15
WSW	1	7	11	4	8	1	32
W	3	4	2	3	2	1	15
WNW	2	3	0	1	2	0	8
NW	3	0	1	1	0	0	5
NNW	2	4	3	0	0	0	9
VARIABLE	4	0	0	0	0	0	4

TOTAL 260
PERIODS OF CALM(HOURS): 1
HOURS OF MISSING DATA: 50

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 82040101-82063024

STABILITY CLASS: G

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

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

TOTAL 128
PERIODS OF CALM(HOURS): 0
HOURS OF MISSING DATA: 50

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD: 82040101-82063024

STABILITY CLASS: ALL

ELEVATION: SPEED:SP150A DIRECTION:WD150A LAPSE:DT180A

WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	10	40	61	40	9	0	161
NNE	14	32	41	56	14	4	161
NE	13	34	33	11	0	3	94
ENE	8	30	19	12	1	0	71
E	8	23	38	18	8	5	100
ESE	2	26	46	62	28	1	165
SE	1	16	46	49	16	11	139
SSE	3	10	34	48	11	5	112
S	8	18	42	58	4	1	131
SSW	6	10	43	62	7	1	130
SW	5	31	46	65	16	4	167
WSW	10	45	64	32	34	13	198
W	16	45	27	21	15	18	143
WNW	9	37	23	18	26	8	121
NW	15	45	18	13	12	14	117
NNW	11	46	35	16	9	5	124
VARIABLE	34	0	0	0	0	0	35

TOTAL 2134
PERIODS OF CALM(HOURS): 7
HOURS OF MISSING DATA: 50

B-3 METEOROLOGICAL DATA FOR BATCH RELEASES

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR JANUARY 1, 1987 PAGE 1

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	325	0	0	2	360	0	0	2	0	2	0	2	265	0	0	0	0	2	0	0	280	0	0	0	0	2	0	0	0	2	0	0	0	2
200	280	0	0	2	315	0	0	2	0	2	0	2	265	0	0	0	0	2	0	0	285	0	0	0	0	2	0	0	0	2	0	0	0	2
300	265	0	0	2	295	0	0	2	0	2	0	2	270	0	0	0	0	2	0	0	290	0	0	0	0	2	0	0	0	2	0	0	0	2
400	125	0	120	0	192	0	198	0	0	0	0	0	116	0	129	102	122	0	139	109	119	0	129	111	129	0	138	119	0	0	0	0	0	0
500	162	0	133	0	176	0	183	0	0	0	0	0	123	0	144	110	129	0	154	114	124	0	133	112	135	0	146	122	0	0	0	0	0	0
600	86	0	91	0	134	0	140	0	0	0	0	0	131	0	144	118	137	0	159	116	136	0	150	122	146	0	157	127	0	0	0	0	0	0
700	144	0	150	0	188	0	193	0	0	0	0	0	121	0	137	105	129	0	158	102	124	0	140	104	135	0	152	114	0	0	0	0	0	0
800	188	0	194	0	231	0	237	0	0	0	0	0	120	0	128	109	126	0	143	89	122	0	136	108	134	0	144	116	0	0	0	0	0	0
900	142	0	144	0	196	0	204	0	0	0	0	0	128	0	147	108	135	0	153	113	132	0	163	119	143	0	161	125	0	0	0	0	0	0
1000	133	0	151	0	216	0	220	0	0	0	0	0	136	0	164	122	141	0	167	116	141	0	170	124	153	0	187	138	0	0	0	0	0	0
1100	160	0	170	0	216	0	228	0	0	0	0	0	128	0	147	113	136	0	160	115	133	0	153	116	145	0	160	132	0	0	0	0	0	0
1200	160	0	165	0	208	0	217	0	0	0	0	0	124	0	146	105	132	0	159	109	128	0	145	108	140	0	163	113	0	0	0	0	0	0
1300	127	0	132	0	175	0	179	0	0	0	0	0	124	0	142	109	131	0	165	109	127	0	143	105	139	0	155	122	0	0	0	0	0	0
1400	188	0	198	0	249	0	261	0	0	0	0	0	129	0	142	111	135	0	162	110	132	0	144	108	144	0	158	125	0	0	0	0	0	0
1500	216	0	234	0	294	0	312	0	0	0	0	0	133	0	153	119	142	0	171	120	136	0	156	117	149	0	165	133	0	0	0	0	0	0
1600	222	0	241	0	323	0	339	0	0	0	0	0	133	0	150	120	141	0	172	119	136	0	151	116	149	0	161	132	0	0	0	0	0	0
1700	205	0	213	0	285	0	293	0	0	0	0	0	131	0	147	105	138	0	162	116	134	0	148	114	147	0	158	131	0	0	0	0	0	0
1800	143	0	152	0	225	0	227	0	0	0	0	0	137	0	162	122	145	0	185	113	142	0	156	113	154	0	172	128	0	0	0	0	0	0
1900	147	0	158	0	187	0	195	0	0	0	0	0	132	0	153	114	139	0	168	113	138	0	157	125	151	0	170	138	0	0	0	0	0	0
2000	99	0	102	0	137	0	139	0	0	0	0	0	140	0	165	119	147	0	183	113	145	0	167	130	157	0	180	141	0	0	0	0	0	0
2100	77	0	79	0	112	0	109	0	0	0	0	0	147	0	172	120	151	0	190	111	151	0	157	132	166	0	191	142	0	0	0	0	0	0
2200	85	0	84	0	92	0	87	0	0	0	0	0	148	0	183	121	155	0	198	120	155	0	176	135	168	0	187	143	0	0	0	0	0	0
2300	154	0	163	0	274	0	261	0	0	0	0	0	150	0	179	126	152	0	186	126	162	0	198	146	174	0	190	155	0	0	0	0	0	0
2400	114	0	108	0	216	0	182	0	0	0	0	0	174	0	249	93	177	0	263	116	178	0	227	135	189	0	224	155	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	283	0	320	2	320	2	320	2	0	2	0	2	-9	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2		
200	281	0	320	2	320	2	320	2	0	2	0	2	-7	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2		
300	279	0	320	2	320	2	320	2	0	2	0	2	-7	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2		
400	146	0	148	0	164	0	164	0	0	0	0	0	16	0	16	0	0	0	0	0	-209	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	167	0	167	0	167	0	167	0	0	0	0	0	0	0	0	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	166	0	167	0	167	0	166	0	0	0	0	0	0	0	0	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	176	0	178	0	171	0	171	0	0	0	0	0	-7	0	-7	0	0	0	0	0	-205	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	187	0	187	0	180	0	180	0	0	0	0	0	-7	0	-7	0	0	0	0	0	-209	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	202	0	202	0	194	0	194	0	0	0	0	0	-7	0	-7	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	220	0	221	0	214	0	214	0	0	0	0	0	-7	0	-7	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	236	0	236	0	229	0	229	0	0	0	0	0	-7	0	-7	0	0	0	0	0	-205	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	248	0	250	0	241	0	241	0	0	0	0	0	-7	0	-9	0	0	0	0	0	-209	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	263	0	265	0	256	0	256	0	0	0	0	0	-7	0	-7	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	284	0	284	0	274	0	274	0	0	0	0	0	-9	0	-9	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	295	0	295	0	286	0	286	0	0	0	0	0	-7	0	-7	0	0	0	0	0	-205	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	290	0	292	0	284	0	284	0	0	0	0	0	-7	0	-7	0	0	0	0	0	-209	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	288	0	288	0	283	0	283	0	0	0	0	0	-7	0	-5	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	297	0	297	0	290	0	290	0	0	0	0	0	-5	0	-5	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	306	0	308	0	301	0	301	0	0	0	0	0	-5	0	-5	0	0	0	0	0	-205	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	321	0	20	0	313	0	313	0	0	0	0	0	-5	0	-5	0	0	0	0	0	-209	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	327	0	27	0	323	0	323	0	0	0	0	0	-3	0	-3	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	332	0	32	0	327	0	327	0	0	0	0	0	-5	0	-5	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	343	0	35	0	341	0	341	0	0	0	0	0	-1	0	-3	0	0	0	0	0	-205	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	354	0	34	0	352	0	352	0	0	0	0	0	1	0	1	0	0	0	0	0	-209	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

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HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	200	0	0	2	260	0	0	2	0	2	0	2	100	0	0	0	0	2	0	0	112	0	0	0	0	2	0	0	0	2	0	0	0	2
200	205	0	0	2	272	0	0	2	0	2	0	2	105	0	0	0	0	2	0	0	120	0	0	0	0	2	0	0	0	2	0	0	0	2
300	210	0	0	2	285	0	0	2	0	2	0	2	110	0	0	0	0	2	0	0	132	0	0	0	0	2	0	0	0	2	0	0	0	2
400	190	0	0	2	225	0	0	2	0	2	0	2	140	0	0	0	0	2	0	0	155	0	0	0	0	2	0	0	0	2	0	0	0	2
500	165	0	0	2	250	0	0	2	0	2	0	2	210	0	0	0	0	2	0	0	210	0	0	0	0	2	0	0	0	2	0	0	0	2
600	185	0	0	2	255	0	0	2	0	2	0	2	220	0	0	0	0	2	0	0	225	0	0	0	0	2	0	0	0	2	0	0	0	2
700	195	0	0	2	280	0	0	2	0	2	0	2	225	0	0	0	0	2	0	0	230	0	0	0	0	2	0	0	0	2	0	0	0	2
800	202	0	190	0	307	0	303	0	0	0	0	0	233	0	270	200	236	0	296	198	226	0	258	190	233	0	269	201	0	0	0	0	0	0
900	335	0	0	2	450	0	0	2	0	0	0	0	240	0	0	0	0	2	0	0	250	0	0	0	0	2	0	0	0	0	0	0	0	0
1000	290	0	301	0	939	0	913	0	0	0	0	0	292	0	169	118	146	0	177	113	155	0	177	142	169	0	185	147	0	0	0	0	0	0
1100	334	0	337	0	996	0	927	0	0	0	0	0	137	0	164	119	143	0	169	115	149	0	173	130	159	0	179	143	0	0	0	0	0	0
1200	385	0	0	2	970	0	0	2	0	2	0	2	265	0	0	0	0	2	0	0	282	0	0	0	0	2	0	0	0	2	0	0	0	2
1300	405	0	0	2	935	0	0	2	0	2	0	2	265	0	0	0	0	2	0	0	285	0	0	0	0	2	0	0	0	2	0	0	0	2
1400	375	0	0	2	385	0	0	2	0	2	0	2	270	0	0	0	0	2	0	0	290	0	0	0	0	2	0	0	0	2	0	0	0	2
1500	330	0	0	2	360	0	0	2	0	2	0	2	275	0	0	0	0	2	0	0	290	0	0	0	0	2	0	0	0	2	0	0	0	2
1600	308	0	307	0	365	0	388	0	0	0	0	0	287	0	319	259	285	0	327	241	286	0	319	226	289	0	330	253	0	0	0	0	0	0
1700	359	0	349	0	998	0	960	0	0	0	0	0	294	0	312	272	291	0	323	259	298	0	310	279	300	0	311	278	0	0	0	0	0	0
1800	355	0	338	0	958	0	966	0	0	0	0	0	298	0	317	286	293	0	329	261	304	0	317	291	305	0	319	294	0	0	0	0	0	0
1900	339	0	340	0	939	0	995	0	0	0	0	0	302	0	313	292	297	0	322	273	307	0	318	296	308	0	320	299	0	0	0	0	0	0
2000	315	0	0	2	900	0	0	2	0	2	0	2	295	0	0	0	0	2	0	0	315	0	0	0	0	2	0	0	0	2	0	0	0	2
2100	285	0	0	2	390	0	0	2	0	2	0	2	293	0	0	0	0	2	0	0	310	0	0	0	0	2	0	0	0	2	0	0	0	2
2200	225	0	0	2	285	0	0	2	0	2	0	2	290	0	0	0	0	2	0	0	295	0	0	0	0	2	0	0	0	2	0	0	0	2
2300	230	0	0	2	240	0	0	2	0	2	0	2	290	0	0	0	0	2	0	0	300	0	0	0	0	2	0	0	0	2	0	0	0	2
2400	155	0	0	2	195	0	0	2	0	2	0	2	285	0	0	0	0	2	0	0	305	0	0	0	0	2	0	0	0	2	0	0	0	2

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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	350	0	320	2	320	2	320	2	0	2	0	2	-1	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	356	0	320	2	320	2	320	2	0	2	0	2	-1	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	363	0	320	2	320	2	320	2	0	2	0	2	-3	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	377	0	320	2	320	2	320	2	0	2	0	2	0	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	392	0	320	2	320	2	320	2	0	2	0	2	1	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	366	0	320	2	320	2	320	2	0	2	0	2	-3	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
700	391	0	320	2	320	2	320	2	0	2	0	2	-5	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	339	0	339	0	330	0	330	0	0	0	0	0	-5	0	-5	0	0	0	0	0	-209	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	323	0	142	2	131	2	131	2	0	0	0	0	-5	0	-10	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	299	0	169	2	148	2	148	2	0	0	0	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	290	0	187	2	171	2	171	2	0	0	0	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	281	0	320	2	320	2	320	2	0	2	0	2	-9	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	281	0	320	2	320	2	320	2	0	2	0	2	-9	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	279	0	320	2	320	2	320	2	0	2	0	2	-7	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	275	0	320	2	320	2	320	2	0	2	0	2	-7	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	286	0	286	0	279	0	279	0	0	0	0	0	-7	0	-7	0	0	0	0	0	-209	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	292	0	292	0	284	0	284	0	0	0	0	0	-7	0	-9	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	304	0	306	0	295	0	295	0	0	0	0	0	-9	0	-9	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	304	0	306	0	295	0	295	0	0	0	0	0	-9	0	-9	0	0	0	0	0	-205	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	293	0	320	2	320	2	320	2	0	2	0	2	-7	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	301	0	320	2	320	2	320	2	0	2	0	2	-5	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	299	0	320	2	320	2	320	2	0	2	0	2	-5	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	290	0	320	2	320	2	320	2	0	2	0	2	-7	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	274	0	320	2	320	2	320	2	0	2	0	2	-9	0	0	2	0	2	0	2	320	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 SPD6	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
100	56	0	61	2	72	0	74	0	0	0	0	0	107	0	139	85	112	0	149	83	106	0	118	86	116	0	129	99	0	0	0	0	0	0
200	51	0	30	2	65	0	67	0	0	0	0	0	102	0	120	84	107	0	126	85	99	0	115	87	110	0	129	99	0	0	0	0	0	0
300	56	0	54	2	72	0	73	0	0	0	0	0	95	0	119	74	99	0	121	69	88	0	102	79	97	0	110	86	0	0	0	0	0	0
400	0	2	0	2	0	2	0	2	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0
500	49	0	70	2	61	0	62	0	0	0	0	0	83	0	100	67	86	0	107	67	83	0	96	75	92	0	109	80	0	0	0	0	0	0
600	48	0	33	2	64	0	64	0	0	0	0	0	85	0	101	71	90	0	109	70	84	0	91	77	92	0	102	86	0	0	0	0	0	0
700	45	0	0	4	61	0	62	0	0	0	0	0	89	0	101	77	92	0	118	75	84	0	91	75	92	0	103	78	0	0	0	0	0	0
800	41	0	0	2	56	0	58	0	0	0	0	0	86	0	117	65	89	0	111	74	85	0	95	74	93	0	103	85	0	0	0	0	0	0
900	42	0	70	2	59	0	62	0	0	0	0	0	82	0	102	62	85	0	103	62	79	0	93	67	88	0	103	72	0	0	0	0	0	0
1000	38	0	33	2	40	0	44	0	0	0	0	0	102	0	142	64	104	0	149	59	95	0	137	70	105	0	137	79	0	0	0	0	0	0
1100	27	0	0	2	22	0	24	0	0	0	0	0	108	0	149	87	113	0	158	58	131	0	170	84	142	0	179	92	0	0	0	0	0	0
1200	9	0	8	0	9	0	8	0	0	0	0	0	2	3	162	182	83	3	170	1	21	3	155	278	265	3	359	230	0	0	0	0	0	0
1300	44	0	43	0	48	0	49	0	0	0	0	0	334	0	18	274	329	0	3	276	350	0	21	320	355	0	29	322	0	0	0	0	0	0
1400	57	0	55	0	49	0	51	0	0	0	0	0	332	0	1	310	327	0	354	295	335	0	359	315	337	0	2	311	0	0	0	0	0	0
1500	39	0	38	0	35	0	37	0	0	0	0	0	330	0	11	278	325	0	354	240	332	0	349	310	332	0	6	312	0	0	0	0	0	0
1600	31	0	29	0	33	0	37	0	0	0	0	0	90	0	87	357	39	3	106	353	34	0	87	333	90	0	93	350	0	0	0	0	0	0
1700	29	0	28	0	30	0	35	0	0	0	0	0	50	3	93	25	48	3	91	17	53	3	82	25	60	0	87	31	0	0	0	0	0	0
1800	25	0	20	0	40	0	44	0	0	0	0	0	83	3	106	70	83	3	114	63	72	0	77	66	80	0	86	74	0	0	0	0	0	0
1900	34	0	38	2	52	0	53	0	0	0	0	0	92	0	128	42	95	0	139	28	97	0	111	85	106	0	121	92	0	0	0	0	0	0
2000	43	0	29	2	67	0	69	0	0	0	0	0	107	0	122	77	112	3	139	83	96	0	102	85	105	0	110	96	0	0	0	0	0	0
2100	36	0	28	2	54	0	57	0	0	0	0	0	120	0	142	105	124	0	148	91	109	0	122	102	119	0	131	103	0	0	0	0	0	0
2200	48	0	42	0	65	0	68	0	0	0	0	0	161	0	186	135	163	0	199	112	147	0	155	136	157	0	166	145	0	0	0	0	0	0
2300	31	0	28	0	40	0	45	0	0	0	0	0	149	0	185	126	154	0	195	127	139	0	159	112	145	0	169	124	0	0	0	0	0	0
2400	47	0	32	0	60	0	49	0	0	0	0	0	207	0	227	186	209	0	232	176	194	0	197	189	201	0	205	196	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 DEW3DS	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	94	0	95	0	97	0	97	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	97	0	97	0	97	0	99	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	99	0	101	0	103	0	103	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	101	2	101	2	103	2	103	2	0	0	0	0	-7	2	-7	2	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	103	0	103	0	104	0	106	0	0	0	0	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	104	0	104	0	110	0	110	0	0	0	0	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	104	0	106	0	112	0	112	0	0	0	0	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	108	0	110	0	119	0	119	0	0	0	0	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	110	0	112	0	122	0	122	0	0	0	0	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	133	0	135	0	137	0	135	0	0	0	0	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	155	0	158	0	164	0	166	0	0	0	0	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	205	0	209	0	209	0	209	0	0	0	0	0	-14	0	-18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	185	0	189	0	196	0	198	0	0	0	0	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	200	0	202	0	202	0	203	0	0	0	0	0	-14	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	203	0	207	0	198	0	200	0	0	0	0	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	189	0	189	0	184	0	184	0	0	0	0	0	-12	0	-12	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	166	0	166	0	164	0	164	0	0	0	0	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	158	0	158	0	169	0	171	0	0	0	0	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	153	0	155	0	167	0	167	0	0	0	0	0	1	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	151	0	153	0	164	0	164	0	0	0	0	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	146	0	146	0	157	0	157	0	0	0	0	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	149	0	149	0	157	0	158	0	0	0	0	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	144	0	144	0	155	0	157	0	0	0	0	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	140	0	142	0	157	0	157	0	0	0	0	0	5	0	5	0	0	0	0	0	320	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 SPD6	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
100	60	0	0	2	75	0	0	2	0	2	0	2	25	0	0	0	0	2	0	0	95	0	0	0	0	2	0	0	0	2	0	0	0	2
200	32	0	0	2	70	0	0	2	0	2	0	2	5	0	0	0	0	2	0	0	10	0	0	0	0	2	0	0	0	2	0	0	0	2
300	95	0	0	2	120	0	0	2	0	2	0	2	335	0	0	0	0	2	0	0	355	0	0	0	0	2	0	0	0	2	0	0	0	2
400	125	0	0	2	185	0	0	2	0	2	0	2	320	0	0	0	0	2	0	0	395	0	0	0	0	2	0	0	0	2	0	0	0	2
500	162	0	0	2	225	0	0	2	0	2	0	2	310	0	0	0	0	2	0	0	395	0	0	0	0	2	0	0	0	2	0	0	0	2
600	76	0	78	0	87	0	91	0	0	0	0	0	304	0	327	278	301	0	329	273	310	0	329	296	313	0	334	298	0	0	0	0	0	0
700	75	0	0	2	110	0	0	2	0	2	0	2	310	0	0	0	0	2	0	0	330	0	0	0	0	2	0	0	0	2	0	0	0	2
800	72	0	0	2	95	0	0	2	0	2	0	2	305	0	0	0	0	2	0	0	328	0	0	0	0	2	0	0	0	2	0	0	0	2
900	65	0	65	0	81	0	82	0	0	0	0	0	312	0	341	250	308	0	343	254	323	0	6	289	325	0	9	280	0	0	0	0	0	0
1000	77	0	76	0	80	0	82	0	0	0	0	0	296	0	323	277	293	0	329	272	299	0	314	276	302	0	319	284	0	0	0	0	0	0
1100	60	0	62	0	58	0	63	0	0	0	0	0	299	0	281	210	247	0	283	211	245	0	258	229	253	0	265	237	0	0	0	0	0	0
1200	46	0	47	0	47	0	50	0	0	0	0	0	237	0	284	186	239	0	290	199	244	0	268	219	251	0	289	213	0	0	0	0	0	0
1300	64	0	67	0	66	0	69	0	0	0	0	0	257	0	299	216	258	0	312	216	254	0	298	207	259	0	297	226	0	0	0	0	0	0
1400	64	0	67	0	69	0	73	0	0	0	0	0	253	0	287	223	253	0	286	210	255	0	287	239	262	0	289	240	0	0	0	0	0	0
1500	68	0	71	0	70	0	75	0	0	0	0	0	256	0	281	226	259	0	285	229	252	0	264	226	259	0	271	243	0	0	0	0	0	0
1600	61	0	69	0	91	0	93	0	0	0	0	0	152	0	226	106	157	0	211	102	159	0	183	132	170	0	195	138	0	0	0	0	0	0
1700	49	0	44	0	84	0	72	0	0	0	0	0	178	0	249	118	181	0	245	116	182	0	200	156	191	0	220	159	0	0	0	0	0	0
1800	32	0	34	0	65	0	60	0	0	0	0	0	155	0	215	118	159	0	231	127	171	0	189	145	182	0	199	156	0	0	0	0	0	0
1900	47	0	48	0	111	0	97	0	0	0	0	0	166	0	200	129	172	0	228	139	177	0	187	166	186	0	195	128	0	0	0	0	0	0
2000	55	0	56	0	129	0	131	0	0	0	0	0	149	0	180	129	152	0	192	120	169	0	170	153	175	0	231	158	0	0	0	0	0	0
2100	77	0	78	0	156	0	154	0	0	0	0	0	154	0	184	125	160	0	188	112	167	0	173	156	178	0	190	167	0	0	0	0	0	0
2200	60	0	60	0	121	0	118	0	0	0	0	0	155	0	187	129	159	0	190	125	167	0	181	149	183	0	244	166	0	0	0	0	0	0
2300	62	0	68	0	124	0	124	0	0	0	0	0	133	0	155	120	142	0	161	130	143	0	148	135	155	0	160	149	0	0	0	0	0	0
2400	73	0	77	0	131	0	131	0	0	0	0	0	131	0	147	115	139	0	161	118	140	0	149	128	152	0	165	138	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	221	0	320	2	320	2	320	2	0	2	0	2	-12	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
200	200	0	320	2	320	2	320	2	0	2	0	2	7	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	220	0	320	2	320	2	320	2	0	2	0	2	3	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	236	0	320	2	320	2	320	2	0	2	0	2	-10	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
500	230	0	320	2	320	2	320	2	0	2	0	2	-16	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
600	205	0	207	0	194	0	193	0	0	0	0	0	-12	0	-12	0	0	0	0	0	705	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	194	0	320	2	320	2	320	2	0	2	0	2	-10	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
800	200	0	320	2	320	2	320	2	0	2	0	2	-12	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
900	219	0	219	0	202	0	200	0	0	0	0	0	-12	0	-14	0	0	0	0	0	712	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	221	0	223	0	207	0	207	0	0	0	0	0	-14	0	-16	0	0	0	0	0	726	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	243	0	245	0	239	0	236	0	0	0	0	0	-9	0	-10	0	0	0	0	0	780	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	248	0	248	0	247	0	247	0	0	0	0	0	1	0	1	0	0	0	0	0	793	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	245	0	248	0	239	0	236	0	0	0	0	0	-12	0	-12	0	0	0	0	0	757	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	248	0	252	0	239	0	239	0	0	0	0	0	-16	0	-16	0	0	0	0	0	769	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	250	0	254	0	239	0	241	0	0	0	0	0	-12	0	-12	0	0	0	0	0	764	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	248	0	248	0	223	0	225	0	0	0	0	0	-25	0	-25	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	229	0	229	0	212	0	212	0	0	0	0	0	-18	0	-16	0	0	0	0	0	710	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	193	0	193	0	194	0	193	0	0	0	0	0	0	0	1	0	0	0	0	0	698	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	182	0	182	0	196	0	196	0	0	0	0	0	14	0	14	0	0	0	0	0	692	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	180	0	180	0	185	0	185	0	0	0	0	0	7	0	7	0	0	0	0	0	687	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	176	0	178	0	184	0	184	0	0	0	0	0	7	0	7	0	0	0	0	0	683	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	171	0	173	0	182	0	182	0	0	0	0	0	9	0	9	0	0	0	0	0	680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	167	0	169	0	178	0	178	0	0	0	0	0	9	0	10	0	0	0	0	0	679	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	162	0	164	0	166	0	166	0	0	0	0	0	1	0	3	0	0	0	0	0	665	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	57	0	61	0	107	0	107	0	0	0	0	0	129	0	142	113	137	0	151	116	144	0	149	138	156	0	161	149	0	0	0	0	0	0
200	54	0	56	0	104	0	106	0	0	0	0	0	123	0	134	112	130	0	139	109	139	0	145	132	151	0	158	141	0	0	0	0	0	0
300	38	0	42	0	85	0	86	0	0	0	0	0	134	0	157	108	142	0	187	107	149	0	156	136	161	0	170	149	0	0	0	0	0	0
400	63	0	64	0	97	0	97	0	0	0	0	0	109	0	117	90	111	0	121	93	131	0	142	119	144	0	152	128	0	0	0	0	0	0
500	48	0	49	0	78	0	79	0	0	0	0	0	103	0	127	84	109	0	134	91	134	0	150	126	146	0	163	137	0	0	0	0	0	0
600	66	0	67	0	97	0	97	0	0	0	0	0	96	0	110	80	102	0	120	85	114	0	128	97	125	0	141	110	0	0	0	0	0	0
700	75	0	76	0	105	0	106	0	0	0	0	0	120	0	131	104	127	0	147	99	125	0	137	110	137	0	148	118	0	0	0	0	0	0
800	79	0	79	0	121	0	122	0	0	0	0	0	116	0	129	105	123	0	143	108	122	0	133	108	135	0	147	125	0	0	0	0	0	0
900	89	0	90	0	114	0	114	0	0	0	0	0	111	0	120	102	120	0	132	108	117	0	128	103	129	0	140	121	0	0	0	0	0	0
1000	82	0	80	0	93	0	93	0	0	0	0	0	108	0	126	94	114	0	141	93	116	0	133	100	127	0	149	108	0	0	0	0	0	0
1100	51	0	51	0	51	0	52	0	0	0	0	0	116	0	139	90	125	0	148	93	125	0	150	88	138	0	159	102	0	0	0	0	0	0
1200	35	0	38	0	37	0	36	0	0	0	0	0	123	0	158	59	132	0	167	102	139	0	176	85	154	0	239	97	0	0	0	0	0	0
1300	52	0	54	0	49	0	49	0	0	0	0	0	122	0	139	89	130	0	157	96	128	0	167	103	141	0	171	114	0	0	0	0	0	0
1400	28	0	29	0	23	0	22	0	0	0	0	0	123	0	156	95	127	0	164	85	142	0	184	91	150	0	187	112	0	0	0	0	0	0
1500	27	0	30	0	36	0	37	0	0	0	0	0	19	3	158	295	15	3	158	276	23	0	171	319	37	0	179	320	0	0	0	0	0	0
1600	50	0	49	0	46	0	46	0	0	0	0	0	8	0	92	305	8	0	114	284	15	0	67	320	23	0	88	308	0	0	0	0	0	0
1700	38	0	43	0	39	0	43	0	0	0	0	0	61	0	89	38	60	0	85	36	57	0	84	27	64	0	100	21	0	0	0	0	0	0
1800	40	0	45	0	56	0	60	0	0	0	0	0	51	0	76	12	50	0	87	12	44	0	65	16	51	0	69	27	0	0	0	0	0	0
1900	49	0	58	0	79	0	88	0	0	0	0	0	56	0	71	41	57	0	77	40	51	0	55	46	60	0	65	53	0	0	0	0	0	0
2000	54	0	59	0	85	0	94	0	0	0	0	0	52	0	74	29	52	0	77	22	50	0	58	40	59	0	67	47	0	0	0	0	0	0
2100	69	0	75	0	98	0	113	0	0	0	0	0	52	0	77	30	50	0	84	21	50	0	62	36	58	0	69	47	0	0	0	0	0	0
2200	87	0	91	0	134	0	137	0	0	0	0	0	45	0	65	32	45	0	65	25	42	0	53	33	48	0	59	37	0	0	0	0	0	0
2300	96	0	96	0	133	0	128	0	0	0	0	0	34	0	56	12	33	0	58	8	28	0	46	16	34	0	51	18	0	0	0	0	0	0
2400	93	0	94	0	127	0	126	0	0	0	0	0	42	0	68	28	42	0	74	13	39	0	58	24	45	0	62	31	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	162	0	162	0	169	0	169	0	0	0	0	0	7	0	7	0	0	0	0	0	671	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	157	0	158	0	167	0	167	0	0	0	0	0	9	0	9	0	0	0	0	0	672	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	155	0	157	0	167	0	167	0	0	0	0	0	12	0	10	0	0	0	0	0	669	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	155	0	157	0	175	0	175	0	0	0	0	0	19	0	19	0	0	0	0	0	671	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	167	0	167	0	182	0	182	0	0	0	0	0	14	0	14	0	0	0	0	0	678	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	171	0	173	0	180	0	180	0	0	0	0	0	9	0	7	0	0	0	0	0	674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	180	0	180	0	178	0	178	0	0	0	0	0	1	0	1	0	0	0	0	0	676	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	169	0	169	0	167	0	167	0	0	0	0	0	3	0	3	0	0	0	0	0	667	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	160	0	160	0	160	0	160	0	0	0	0	0	0	0	0	0	0	0	0	0	667	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	166	0	167	0	155	0	155	0	0	0	0	0	-10	0	-10	0	0	0	0	0	660	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	200	0	203	0	185	0	185	0	0	0	0	0	-14	0	-16	0	0	0	0	0	694	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	232	0	234	0	227	0	229	0	0	0	0	0	-6	0	-3	0	0	0	0	0	732	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	245	0	243	0	232	0	234	0	0	0	0	0	-12	0	-9	0	0	0	0	0	732	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	288	0	288	0	279	0	283	0	0	0	0	0	-9	0	-5	0	0	0	0	0	757	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	297	0	297	0	265	0	265	0	0	0	0	0	-32	0	-32	0	0	0	0	0	761	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	257	0	257	0	247	0	245	0	0	0	0	0	-10	0	-10	0	0	0	0	0	712	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	259	0	259	0	248	0	247	0	0	0	0	0	-10	0	-10	0	0	0	0	0	710	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	241	0	241	0	230	0	229	0	0	0	0	0	-12	0	-12	0	0	0	0	0	689	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	230	0	230	0	225	0	225	0	0	0	0	0	-3	0	-5	0	0	0	0	0	683	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	229	0	229	0	229	0	229	0	0	0	0	0	0	0	0	0	0	0	0	0	685	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	218	0	220	0	216	0	216	0	0	0	0	0	-1	0	-1	0	0	0	0	0	678	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	220	0	220	0	223	0	223	0	0	0	0	0	3	0	3	0	0	0	0	0	674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	225	0	227	0	218	0	218	0	0	0	0	0	-7	0	-7	0	0	0	0	0	674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	221	0	223	0	214	0	214	0	0	0	0	0	-7	0	-7	0	0	0	0	0	680	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	65	0	75	0	108	0	117	0	0	0	0	0	55	0	76	36	55	0	81	34	45	0	60	36	52	0	65	39	0	0	0	0	0	0
200	69	0	82	0	103	0	118	0	0	0	0	0	62	0	82	44	63	0	86	25	53	0	73	40	60	0	72	47	0	0	0	0	0	0
300	96	0	102	0	127	0	139	0	0	0	0	0	77	0	98	42	78	0	119	48	71	0	86	47	80	0	103	60	0	0	0	0	0	0
400	96	0	100	0	115	0	126	0	0	0	0	0	76	0	92	57	78	0	103	61	68	0	89	48	77	0	97	58	0	0	0	0	0	0
500	82	0	90	0	110	0	121	0	0	0	0	0	71	0	96	50	72	0	115	40	66	0	93	44	73	0	97	49	0	0	0	0	0	0
600	103	0	117	0	136	0	155	0	0	0	0	0	69	0	90	46	70	0	116	44	60	0	77	41	68	0	94	46	0	0	0	0	0	0
700	109	0	124	0	144	0	160	0	0	0	0	0	68	0	96	35	71	0	106	40	69	0	92	44	72	0	96	50	0	0	0	0	0	0
800	111	0	127	0	144	0	164	0	0	0	0	0	61	0	80	37	63	0	92	33	58	0	89	37	66	0	86	47	0	0	0	0	0	0
900	113	0	129	0	140	0	158	0	0	0	0	0	61	0	85	33	61	0	92	28	54	0	80	29	63	0	94	26	0	0	0	0	0	0
1000	120	0	132	0	157	0	166	0	0	0	0	0	50	0	79	18	99	0	85	9	96	0	78	2	53	0	93	25	0	0	0	0	0	0
1100	151	0	164	0	182	0	194	0	0	0	0	0	49	0	77	14	98	0	87	9	93	0	65	15	51	0	72	26	0	0	0	0	0	0
1200	139	0	144	0	172	0	175	0	0	0	0	0	43	0	73	355	90	0	92	9	39	0	61	18	46	0	71	15	0	0	0	0	0	0
1300	118	0	116	0	135	0	134	0	0	0	0	0	33	0	62	12	32	0	62	4	32	0	58	8	38	0	71	12	0	0	0	0	0	0
1400	153	0	154	0	187	0	180	0	0	0	0	0	29	0	50	349	27	0	69	356	18	0	45	344	24	0	43	359	0	0	0	0	0	0
1500	152	0	152	0	191	0	184	0	0	0	0	0	30	0	46	353	28	0	55	333	23	0	44	346	29	0	54	350	0	0	0	0	0	0
1600	139	0	139	0	179	0	175	0	0	0	0	0	33	0	55	359	31	0	58	1	24	0	45	354	30	0	54	5	0	0	0	0	0	0
1700	112	0	114	0	145	0	146	0	0	0	0	0	34	0	75	12	34	0	70	4	24	0	54	351	30	0	61	2	0	0	0	0	0	0
1800	141	0	141	0	192	0	184	0	0	0	0	0	25	0	51	1	23	0	51	351	14	0	37	351	20	0	44	340	0	0	0	0	0	0
1900	154	0	151	0	206	0	203	0	0	0	0	0	23	0	50	350	20	0	57	343	11	0	47	335	18	0	54	347	0	0	0	0	0	0
2000	163	0	161	0	220	0	214	0	0	0	0	0	25	0	48	2	23	0	50	346	17	0	51	1	23	0	61	4	0	0	0	0	0	0
2100	178	0	173	0	227	0	219	0	0	0	0	0	27	0	45	359	25	0	51	340	17	0	41	337	22	0	51	332	0	0	0	0	0	0
2200	142	0	142	0	173	0	170	0	0	0	0	0	35	0	64	12	33	0	75	2	28	0	53	1	34	0	62	13	0	0	0	0	0	0
2300	103	0	110	0	142	0	142	0	0	0	0	0	44	0	72	18	43	0	82	7	33	0	61	357	40	0	66	354	0	0	0	0	0	0
2400	73	0	80	0	81	0	92	0	0	0	0	0	69	0	97	46	69	0	109	36	62	0	84	39	70	0	98	53	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	214	0	216	0	212	0	212	0	0	0	0	0	-1	0	-1	0	0	0	0	0	680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	207	0	207	0	205	0	203	0	0	0	0	0	-3	0	-3	0	0	0	0	0	681	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	203	0	203	0	198	0	198	0	0	0	0	0	-7	0	-5	0	0	0	0	0	672	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	207	0	207	0	202	0	200	0	0	0	0	0	-7	0	-7	0	0	0	0	0	674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	211	0	211	0	203	0	203	0	0	0	0	0	-7	0	-7	0	0	0	0	0	680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	218	0	220	0	212	0	212	0	0	0	0	0	-7	0	-7	0	0	0	0	0	676	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	216	0	218	0	211	0	209	0	0	0	0	0	-7	0	-7	0	0	0	0	0	678	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	221	0	223	0	216	0	214	0	0	0	0	0	-7	0	-7	0	0	0	0	0	674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	230	0	230	0	223	0	223	0	0	0	0	0	-7	0	-7	0	0	0	0	0	687	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	236	0	238	0	229	0	229	0	0	0	0	0	-9	0	-9	0	0	0	0	0	687	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	245	0	245	0	236	0	236	0	0	0	0	0	-9	0	-9	0	0	0	0	0	678	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	248	0	248	0	239	0	239	0	0	0	0	0	-9	0	-9	0	0	0	0	0	674	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	252	0	252	0	243	0	243	0	0	0	0	0	-7	0	-9	0	0	0	0	0	687	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	239	0	239	0	232	0	232	0	0	0	0	0	-7	0	-7	0	0	0	0	0	687	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	239	0	241	0	232	0	232	0	0	0	0	0	-9	0	-9	0	0	0	0	0	678	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	245	0	245	0	236	0	236	0	0	0	0	0	-7	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	250	0	250	0	241	0	241	0	0	0	0	0	-9	0	-9	0	0	0	0	0	681	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	259	0	261	0	250	0	250	0	0	0	0	0	-9	0	-9	0	0	0	0	0	690	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	254	0	254	0	245	0	245	0	0	0	0	0	-9	0	-9	0	0	0	0	0	672	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	232	0	234	0	225	0	225	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	216	0	218	0	209	0	207	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	209	0	209	0	200	0	200	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	205	0	205	0	196	0	196	0	0	0	0	0	-7	0	-9	0	0	0	0	0	1011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	176	0	176	0	167	0	167	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1000	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD9 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR9 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S
100	69	0	66	0	76	0	77	0	0	0	0	0	85	0	109	65	88	0	119	96	80	0	96	65	89	0	106	70	0	0	0	0	0	0
200	67	0	68	0	85	0	88	0	0	0	0	0	82	0	125	59	85	0	132	90	77	0	98	88	86	0	111	60	0	0	0	0	0	0
300	74	0	73	0	94	0	91	0	0	0	0	0	94	0	122	67	97	0	129	63	90	0	112	72	100	0	122	81	0	0	0	0	0	0
400	78	0	77	0	97	0	95	0	0	0	0	0	93	0	126	79	96	0	131	70	88	0	109	69	97	0	116	75	0	0	0	0	0	0
500	72	0	71	0	85	0	83	0	0	0	0	0	97	0	130	73	98	0	132	69	91	0	112	69	101	0	126	75	0	0	0	0	0	0
600	67	0	68	0	91	0	90	0	0	0	0	0	88	0	116	61	91	0	137	63	85	0	110	69	99	0	126	74	0	0	0	0	0	0
700	63	0	64	0	79	0	79	0	0	0	0	0	95	0	120	65	97	0	130	68	93	0	120	61	103	0	133	78	0	0	0	0	0	0
800	84	0	83	0	106	0	103	0	0	0	0	0	90	0	112	70	92	0	130	64	85	0	98	64	95	0	115	83	0	0	0	0	0	0
900	85	0	85	0	98	0	99	0	0	0	0	0	110	0	126	94	115	0	138	90	110	0	128	98	121	0	136	102	0	0	0	0	0	0
1000	80	0	80	0	88	0	91	0	0	0	0	0	112	0	131	88	117	0	142	89	113	0	139	89	129	0	141	99	0	0	0	0	0	0
1100	67	0	68	0	85	0	88	0	0	0	0	0	134	0	180	100	142	0	177	73	141	0	170	116	152	0	176	129	0	0	0	0	0	0
1200	65	0	70	0	73	0	73	0	0	0	0	0	125	0	164	101	132	0	176	94	132	0	168	108	142	0	170	121	0	0	0	0	0	0
1300	58	0	64	0	70	0	72	0	0	0	0	0	130	0	174	88	139	0	193	94	141	0	200	114	151	0	200	125	0	0	0	0	0	0
1400	55	0	58	0	62	0	63	0	0	0	0	0	119	0	152	94	127	0	154	98	130	0	151	106	142	0	162	122	0	0	0	0	0	0
1500	37	0	41	0	55	0	53	0	0	0	0	0	163	0	261	106	166	0	259	109	170	0	246	122	178	0	240	135	0	0	0	0	0	0
1600	42	0	46	0	51	0	51	0	0	0	0	0	142	0	183	105	148	0	189	95	146	0	188	108	158	0	199	129	0	0	0	0	0	0
1700	45	0	53	0	57	0	59	0	0	0	0	0	131	0	164	115	138	0	173	116	146	0	172	129	157	0	183	133	0	0	0	0	0	0
1800	37	0	39	0	66	0	61	0	0	0	0	0	158	0	183	133	161	0	187	130	172	0	176	156	189	0	252	166	0	0	0	0	0	0
1900	39	0	41	0	80	0	69	0	0	0	0	0	172	0	200	130	175	0	218	120	183	0	187	173	192	0	199	183	0	0	0	0	0	0
2000	37	0	40	0	66	0	67	0	0	0	0	0	141	0	182	118	146	0	192	126	160	0	165	149	171	0	175	157	0	0	0	0	0	0
2100	56	0	57	0	102	0	89	0	0	0	0	0	163	0	203	118	168	0	207	119	175	0	185	160	185	0	244	175	0	0	0	0	0	0
2200	42	0	43	0	87	0	78	0	0	0	0	0	168	0	211	109	175	0	218	122	179	0	202	158	188	0	205	175	0	0	0	0	0	0
2300	54	0	58	0	97	0	91	0	0	0	0	0	155	0	194	125	160	0	199	120	167	0	212	148	180	0	256	199	0	0	0	0	0	0
2400	49	0	54	0	81	0	84	0	0	0	0	0	132	0	148	113	139	0	158	121	142	0	156	119	154	0	170	135	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM9 180B	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 9	S	MISC 1 DEW30S	S	MISC 2	S	MISC 3	S	MISC 9	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	167	0	167	0	158	0	158	0	0	0	0	0	-9	0	-9	0	0	0	0	0	989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	158	0	160	0	151	0	151	0	0	0	0	0	-7	0	-9	0	0	0	0	0	987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	153	0	153	0	144	0	144	0	0	0	0	0	-7	0	-9	0	0	0	0	0	968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	144	0	148	0	139	0	139	0	0	0	0	0	-7	0	-7	0	0	0	0	0	966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	142	0	142	0	135	0	135	0	0	0	0	0	-9	0	-9	0	0	0	0	0	964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	137	0	139	0	130	0	130	0	0	0	0	0	-7	0	-9	0	0	0	0	0	960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	135	0	135	0	128	0	128	0	0	0	0	0	-7	0	-7	0	0	0	0	0	957	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	131	0	131	0	124	0	124	0	0	0	0	0	-7	0	-9	0	0	0	0	0	942	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	130	0	130	0	121	0	121	0	0	0	0	0	-9	0	-10	0	0	0	0	0	950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	131	0	131	0	119	0	119	0	0	0	0	0	-10	0	-12	0	0	0	0	0	966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	146	0	146	0	128	0	128	0	0	0	0	0	-18	0	-18	0	0	0	0	0	1009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	155	0	157	0	140	0	142	0	0	0	0	0	-14	0	-12	0	0	0	0	0	942	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	176	0	178	0	153	0	153	0	0	0	0	0	-23	0	-23	0	0	0	0	0	950	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	185	0	185	0	166	0	167	0	0	0	0	0	-21	0	-18	0	0	0	0	0	966	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	203	0	205	0	173	0	173	0	0	0	0	0	-32	0	-32	0	0	0	0	0	1004	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	184	0	187	0	169	0	171	0	0	0	0	0	-16	0	-16	0	0	0	0	0	992	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	178	0	178	0	167	0	167	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	155	0	155	0	160	0	158	0	0	0	0	0	3	0	5	0	0	0	0	0	1005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	146	0	148	0	157	0	155	0	0	0	0	0	9	0	9	0	0	0	0	0	995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	144	0	144	0	157	0	157	0	0	0	0	0	12	0	12	0	0	0	0	0	1005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	131	0	131	0	130	0	130	0	0	0	0	0	1	0	1	0	0	0	0	0	991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	131	0	131	0	128	0	128	0	0	0	0	0	-5	0	-5	0	0	0	0	0	996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	133	0	133	0	128	0	128	0	0	0	0	0	-5	0	-5	0	0	0	0	0	991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	130	0	130	0	124	0	124	0	0	0	0	0	-7	0	-7	0	0	0	0	0	989	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	53	0	55	0	87	0	88	0	0	0	0	0	192	0	167	117	150	0	176	125	152	0	173	128	169	0	202	146	0	0	0	0	0	0
200	33	0	39	0	65	0	57	0	0	0	0	0	186	0	243	133	194	0	263	137	181	0	210	153	191	0	222	168	0	0	0	0	0	0
300	56	0	62	0	99	0	99	0	0	0	0	0	151	0	185	105	159	0	216	122	162	0	187	126	174	0	203	148	0	0	0	0	0	0
400	38	0	99	0	67	0	68	0	0	0	0	0	139	0	179	109	145	0	185	117	152	0	171	131	169	0	218	199	0	0	0	0	0	0
500	90	0	96	0	58	0	62	0	0	0	0	0	131	0	150	115	139	0	166	116	136	0	151	122	148	0	166	132	0	0	0	0	0	0
600	31	0	34	0	91	0	91	0	0	0	0	0	119	0	138	93	128	0	143	99	116	0	131	102	128	0	149	106	0	0	0	0	0	0
700	52	0	58	0	59	0	59	0	0	0	0	0	129	0	132	115	133	0	196	122	121	0	135	111	133	0	196	123	0	0	0	0	0	0
800	69	0	70	0	78	0	79	0	0	0	0	0	123	0	143	114	131	0	154	116	118	0	128	106	130	0	141	110	0	0	0	0	0	0
900	86	0	89	0	105	0	106	0	0	0	0	0	118	0	131	94	127	0	146	98	123	0	139	108	135	0	159	125	0	0	0	0	0	0
1000	55	0	61	0	79	0	83	0	0	0	0	0	125	0	152	105	130	0	171	109	132	0	148	112	143	0	158	121	0	0	0	0	0	0
1100	85	0	91	0	100	0	102	0	0	0	0	0	120	0	134	105	128	0	143	109	123	0	134	108	135	0	153	121	0	0	0	0	0	0
1200	49	0	56	0	58	0	60	0	0	0	0	0	134	0	167	114	144	0	177	116	133	0	154	112	144	0	161	121	0	0	0	0	0	0
1300	44	0	49	0	57	0	60	0	0	0	0	0	247	0	276	219	250	0	290	217	256	0	280	240	261	0	288	249	0	0	0	0	0	0
1400	43	0	46	0	49	0	51	0	0	0	0	0	250	0	300	212	253	0	311	222	257	0	316	239	260	0	286	220	0	0	0	0	0	0
1500	23	0	26	0	25	0	24	0	0	0	0	0	258	0	334	218	260	3	329	185	219	0	268	151	215	0	266	154	0	0	0	0	0	0
1600	32	0	36	0	38	0	40	0	0	0	0	0	241	0	293	203	242	0	306	195	252	0	288	210	259	0	295	220	0	0	0	0	0	0
1700	50	0	51	0	72	0	73	0	0	0	0	0	274	0	357	200	276	0	350	184	284	0	346	222	289	0	344	240	0	0	0	0	0	0
1800	169	0	176	0	296	0	299	0	0	0	0	0	323	0	345	297	321	0	357	283	330	0	346	315	332	0	352	317	0	0	0	0	0	0
1900	163	0	168	0	220	0	222	0	0	0	0	0	316	0	331	292	313	0	341	287	322	0	337	308	326	0	342	311	0	0	0	0	0	0
2000	185	0	189	0	240	0	241	0	0	0	0	0	305	0	322	284	302	0	330	265	311	0	331	294	314	0	332	300	0	0	0	0	0	0
2100	182	0	172	0	240	0	244	0	0	0	0	0	294	0	314	271	292	0	321	265	302	0	313	288	305	0	316	289	0	0	0	0	0	0
2200	186	0	181	0	234	0	238	0	0	0	0	0	295	0	310	278	292	0	318	266	301	0	314	289	304	0	314	297	0	0	0	0	0	0
2300	189	0	189	0	236	0	241	0	0	0	0	0	295	0	321	265	293	0	320	270	299	0	314	276	302	0	316	276	0	0	0	0	0	0
2400	176	0	179	0	221	0	224	0	0	0	0	0	299	0	322	273	298	0	331	260	300	0	323	269	303	0	337	269	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	128	0	130	0	121	0	121	0	0	0	0	0	-9	0	-9	0	0	0	0	0	984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	122	0	122	0	112	0	112	0	0	0	0	0	-9	0	-9	0	0	0	0	0	975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	112	0	113	0	104	0	104	0	0	0	0	0	-9	0	-9	0	0	0	0	0	964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	108	0	108	0	99	0	99	0	0	0	0	0	-9	0	-9	0	0	0	0	0	962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	106	0	106	0	97	0	99	0	0	0	0	0	-7	0	-9	0	0	0	0	0	960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	108	0	108	0	101	0	101	0	0	0	0	0	-7	0	-7	0	0	0	0	0	966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	108	0	108	0	101	0	101	0	0	0	0	0	-7	0	-7	0	0	0	0	0	962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	103	0	104	0	97	0	97	0	0	0	0	0	-7	0	-7	0	0	0	0	0	941	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	104	0	106	0	95	0	95	0	0	0	0	0	-10	0	-10	0	0	0	0	0	937	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	113	0	115	0	103	0	103	0	0	0	0	0	-12	0	-12	0	0	0	0	0	959	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	119	0	121	0	108	0	108	0	0	0	0	0	-12	0	-12	0	0	0	0	0	964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	135	0	137	0	121	0	121	0	0	0	0	0	-16	0	-14	0	0	0	0	0	1007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	149	0	149	0	140	0	140	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	157	0	158	0	148	0	149	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	184	0	185	0	167	0	169	0	0	0	0	0	-16	0	-16	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	200	0	202	0	191	0	193	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1007	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	193	0	193	0	185	0	185	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1031	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	203	0	205	0	194	0	194	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	202	0	202	0	191	0	191	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	196	0	196	0	187	0	187	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	178	0	178	0	169	0	169	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	153	0	153	0	144	0	144	0	0	0	0	0	-9	0	-9	0	0	0	0	0	971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	139	0	139	0	130	0	130	0	0	0	0	0	-9	0	-9	0	0	0	0	0	951	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	126	0	128	0	117	0	117	0	0	0	0	0	-9	0	-9	0	0	0	0	0	937	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	181	0	180	0	223	0	228	0	0	0	0	0	298	0	318	285	294	0	321	270	302	0	316	282	305	0	319	287	0	0	0	0	0	0
200	200	0	200	0	236	0	242	0	0	0	0	0	293	0	324	252	292	0	337	261	296	0	313	275	299	0	324	267	0	0	0	0	0	0
300	153	0	151	0	183	0	195	0	0	0	0	0	288	0	311	261	286	0	320	225	286	0	319	241	292	0	321	253	0	0	0	0	0	0
400	173	0	179	0	205	0	213	0	0	0	0	0	292	0	321	259	292	0	351	245	290	0	320	243	295	0	328	261	0	0	0	0	0	0
500	161	0	162	0	189	0	199	0	0	0	0	0	290	0	327	252	289	0	323	255	290	0	312	246	294	0	328	256	0	0	0	0	0	0
600	147	0	153	0	177	0	182	0	0	0	0	0	285	0	318	249	282	0	319	243	284	0	323	255	289	0	336	250	0	0	0	0	0	0
700	175	0	179	0	191	0	198	0	0	0	0	0	288	0	317	253	287	0	318	240	289	0	319	256	293	0	323	261	0	0	0	0	0	0
800	168	0	172	0	189	0	195	0	0	0	0	0	270	0	309	244	271	0	332	227	276	0	306	239	281	0	313	254	0	0	0	0	0	0
900	145	0	151	0	169	0	175	0	0	0	0	0	278	0	309	246	277	0	311	237	282	0	327	245	287	0	319	237	0	0	0	0	0	0
1000	138	0	141	0	168	0	179	0	0	0	0	0	276	0	308	248	275	0	345	243	280	0	336	240	284	0	320	249	0	0	0	0	0	0
1100	172	0	182	0	194	0	198	0	0	0	0	0	268	0	304	244	266	0	302	238	272	0	298	255	278	0	312	248	0	0	0	0	0	0
1200	172	0	178	0	186	0	193	0	0	0	0	0	267	0	287	246	267	0	291	239	268	0	292	255	275	0	294	257	0	0	0	0	0	0
1300	157	0	163	0	215	0	223	0	0	0	0	0	251	0	278	214	253	0	286	211	251	0	267	240	257	0	272	245	0	0	0	0	0	0
1400	152	0	159	0	208	0	217	0	0	0	0	0	254	0	284	229	257	0	308	223	253	0	267	239	259	0	274	247	0	0	0	0	0	0
1500	158	0	161	0	210	0	219	0	0	0	0	0	252	0	278	231	254	0	284	218	251	0	265	235	258	0	275	241	0	0	0	0	0	0
1600	126	0	130	0	171	0	179	0	0	0	0	0	246	0	283	220	250	0	296	210	240	0	263	221	247	0	268	219	0	0	0	0	0	0
1700	106	0	112	0	151	0	156	0	0	0	0	0	242	0	273	209	246	0	290	200	240	0	267	220	247	0	272	225	0	0	0	0	0	0
1800	91	0	91	0	134	0	133	0	0	0	0	0	230	0	258	191	234	0	268	156	226	0	249	195	233	0	259	196	0	0	0	0	0	0
1900	87	0	79	0	136	0	129	0	0	0	0	0	215	0	250	150	220	0	259	154	211	0	234	181	220	0	252	192	0	0	0	0	0	0
2000	95	0	83	0	162	0	142	0	0	0	0	0	209	0	251	149	213	0	263	151	206	0	228	183	215	0	237	184	0	0	0	0	0	0
2100	116	0	108	0	175	0	163	0	0	0	0	0	221	0	256	189	225	0	264	177	215	0	238	188	224	0	244	197	0	0	0	0	0	0
2200	125	0	112	0	184	0	180	0	0	0	0	0	223	0	262	193	226	0	268	157	219	0	240	199	228	0	247	200	0	0	0	0	0	0
2300	136	0	127	0	197	0	191	0	0	0	0	0	225	0	253	186	230	0	268	178	221	0	253	200	228	0	257	209	0	0	0	0	0	0
2400	110	0	98	0	169	0	158	0	0	0	0	0	217	0	263	168	225	0	269	198	213	0	237	171	222	0	241	193	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	115	0	117	0	108	0	106	0	0	0	0	0	-9	0	-9	0	0	0	0	0	924	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	106	0	106	0	97	0	97	0	0	0	0	0	-9	0	-9	0	0	0	0	0	919	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	101	0	101	0	92	0	92	0	0	0	0	0	-9	0	-9	0	0	0	0	0	915	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	92	0	94	0	85	0	85	0	0	0	0	0	-9	0	-9	0	0	0	0	0	910	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	86	0	86	0	77	0	77	0	0	0	0	0	-9	0	-9	0	0	0	0	0	901	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	77	0	79	0	68	0	70	0	0	0	0	0	-9	0	-9	0	0	0	0	0	896	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	67	0	67	0	58	0	58	0	0	0	0	0	-9	0	-9	0	0	0	0	0	869	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	56	0	56	0	45	0	45	0	0	0	0	0	-9	0	-9	0	0	0	0	0	860	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	47	0	47	0	40	0	40	0	0	0	0	0	-9	0	-9	0	0	0	0	0	858	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	37	0	37	0	36	0	36	0	0	0	0	0	-10	0	-10	0	0	0	0	0	867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	35	0	35	0	34	0	34	0	0	0	0	0	-10	0	-10	0	0	0	0	0	869	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	31	0	31	0	31	0	31	0	0	0	0	0	-10	0	-10	0	0	0	0	0	869	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	31	0	32	0	16	0	16	0	0	0	0	0	-16	0	-14	0	0	0	0	0	861	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	31	0	32	0	14	0	14	0	0	0	0	0	-16	0	-16	0	0	0	0	0	860	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	38	0	40	0	23	0	23	0	0	0	0	0	-16	0	-16	0	0	0	0	0	858	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	40	0	41	0	25	0	27	0	0	0	0	0	-14	0	-14	0	0	0	0	0	865	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	41	0	41	0	29	0	29	0	0	0	0	0	-12	0	-12	0	0	0	0	0	865	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	16	0	16	0	11	0	11	0	0	0	0	0	7	0	-5	0	0	0	0	0	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	-7	0	-7	0	-9	0	-9	0	0	0	0	0	-1	0	1	0	0	0	0	0	804	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	-27	0	-27	0	-27	0	-27	0	0	0	0	0	-1	0	0	0	0	0	0	0	786	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	-25	0	-25	0	-29	0	-27	0	0	0	0	0	-3	0	-3	0	0	0	0	0	775	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	-29	0	-27	0	-32	0	-32	0	0	0	0	0	-5	0	-3	0	0	0	0	0	773	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	-22	0	-20	0	-23	0	-23	0	0	0	0	0	-3	0	-3	0	0	0	0	0	775	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	-13	0	-11	0	-13	0	-13	0	0	0	0	0	1	0	1	0	0	0	0	0	789	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD9 1508	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR9 1508	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S
100	135	0	123	0	199	0	191	0	0	0	0	0	223	0	251	196	225	0	250	188	220	0	249	188	227	0	258	201	0	0	0	0	0	0
200	153	0	143	0	216	0	215	0	0	0	0	0	229	0	279	189	234	0	306	197	223	0	275	194	232	0	257	207	0	0	0	0	0	0
300	130	0	125	0	187	0	192	0	0	0	0	0	228	0	256	203	231	0	272	195	229	0	253	202	237	0	262	203	0	0	0	0	0	0
400	129	0	125	0	187	0	189	0	0	0	0	0	227	0	250	193	232	0	260	186	223	0	240	197	232	0	250	216	0	0	0	0	0	0
500	153	0	158	0	217	0	230	0	0	0	0	0	239	0	257	212	243	0	267	200	237	0	258	217	244	0	262	219	0	0	0	0	0	0
600	187	0	193	0	254	0	264	0	0	0	0	0	245	0	263	223	249	0	271	215	240	0	260	211	248	0	263	225	0	0	0	0	0	0
700	164	0	167	0	240	0	245	0	0	0	0	0	242	0	276	217	246	0	275	214	238	0	259	213	245	0	266	228	0	0	0	0	0	0
800	115	0	119	0	173	0	171	0	0	0	0	0	230	0	260	126	235	0	284	188	226	0	257	205	234	0	262	209	0	0	0	0	0	0
900	112	0	111	0	186	0	191	0	0	0	0	0	234	0	264	205	238	0	274	193	228	0	249	196	235	0	252	199	0	0	0	0	0	0
1000	107	0	112	0	166	0	170	0	0	0	0	0	237	0	267	196	242	0	286	191	230	0	259	203	236	0	261	208	0	0	0	0	0	0
1100	114	0	117	0	162	0	162	0	0	0	0	0	240	0	276	181	246	0	286	199	231	0	287	201	237	0	258	209	0	0	0	0	0	0
1200	149	0	155	0	189	0	195	0	0	0	0	0	245	0	271	215	247	0	275	207	237	0	256	211	244	0	262	225	0	0	0	0	0	0
1300	129	0	132	0	160	0	167	0	0	0	0	0	244	0	273	218	247	0	269	206	238	0	279	205	245	0	280	222	0	0	0	0	0	0
1400	151	0	159	0	188	0	196	0	0	0	0	0	247	0	277	225	251	0	297	220	245	0	259	228	250	0	266	234	0	0	0	0	0	0
1500	118	0	119	0	165	0	166	0	0	0	0	0	242	0	286	215	244	0	279	196	236	0	266	207	243	0	275	217	0	0	0	0	0	0
1600	145	0	152	0	181	0	190	0	0	0	0	0	246	0	269	210	248	0	279	212	242	0	257	221	248	0	265	222	0	0	0	0	0	0
1700	113	0	118	0	145	0	153	0	0	0	0	0	244	0	269	200	247	0	296	207	239	0	263	218	243	0	281	216	0	0	0	0	0	0
1800	118	0	122	0	169	0	176	0	0	0	0	0	244	0	273	200	248	0	283	200	239	0	269	205	246	0	267	224	0	0	0	0	0	0
1900	121	0	125	0	178	0	185	0	0	0	0	0	238	0	275	205	242	0	295	208	235	0	261	207	241	0	263	219	0	0	0	0	0	0
2000	141	0	144	0	215	0	224	0	0	0	0	0	244	0	275	221	249	0	275	219	238	0	257	218	244	0	270	219	0	0	0	0	0	0
2100	116	0	117	0	180	0	182	0	0	0	0	0	232	0	293	194	238	0	307	205	233	0	254	213	240	0	259	219	0	0	0	0	0	0
2200	140	0	143	0	205	0	214	0	0	0	0	0	244	0	267	211	246	0	274	188	239	0	261	216	245	0	262	222	0	0	0	0	0	0
2300	142	0	147	0	199	0	208	0	0	0	0	0	249	0	277	226	254	0	284	211	248	0	263	239	254	0	281	245	0	0	0	0	0	0
2400	113	0	117	0	184	0	191	0	0	0	0	0	253	0	286	225	256	0	290	207	253	0	265	244	260	0	266	250	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM4 1808	S	AMB. TEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 1808	S	D.T. 3	S	D.T. 4	S	MISC 1 DEW3OS	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	2	0	4	0	-2	0	-2	0	0	0	0	0	-3	0	-3	0	0	0	0	0	802	0	0	0	0	0	0	0	0	0	0	0	0	0
200	27	0	29	0	25	0	25	0	0	0	0	0	-3	0	-3	0	0	0	0	0	831	0	0	0	0	0	0	0	0	0	0	0	0	0
300	34	0	36	0	34	0	34	0	0	0	0	0	1	0	0	0	0	0	0	0	840	0	0	0	0	0	0	0	0	0	0	0	0	0
400	34	0	36	0	31	0	31	0	0	0	0	0	-3	0	-3	0	0	0	0	0	849	0	0	0	0	0	0	0	0	0	0	0	0	0
500	67	0	67	0	59	0	59	0	0	0	0	0	-7	0	-7	0	0	0	0	0	878	0	0	0	0	0	0	0	0	0	0	0	0	0
600	86	0	88	0	79	0	81	0	0	0	0	0	-7	0	-7	0	0	0	0	0	897	0	0	0	0	0	0	0	0	0	0	0	0	0
700	83	0	83	0	77	0	77	0	0	0	0	0	-7	0	-7	0	0	0	0	0	896	0	0	0	0	0	0	0	0	0	0	0	0	0
800	67	0	67	0	61	0	63	0	0	0	0	0	-5	0	-5	0	0	0	0	0	883	0	0	0	0	0	0	0	0	0	0	0	0	0
900	72	0	72	0	67	0	67	0	0	0	0	0	-5	0	-5	0	0	0	0	0	910	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	110	0	112	0	99	0	99	0	0	0	0	0	-10	0	-12	0	0	0	0	0	971	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	144	0	146	0	128	0	128	0	0	0	0	0	-16	0	-18	0	0	0	0	0	1031	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	151	0	153	0	139	0	139	0	0	0	0	0	-14	0	-14	0	0	0	0	0	1025	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	171	0	175	0	155	0	155	0	0	0	0	0	-18	0	-18	0	0	0	0	0	1032	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	189	0	193	0	173	0	175	0	0	0	0	0	-18	0	-18	0	0	0	0	0	971	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	212	0	214	0	193	0	193	0	0	0	0	0	-18	0	-19	0	0	0	0	0	1031	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	211	0	212	0	196	0	196	0	0	0	0	0	-14	0	-16	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	205	0	205	0	191	0	191	0	0	0	0	0	-12	0	-14	0	0	0	0	0	1032	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	187	0	187	0	180	0	180	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1014	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	171	0	171	0	166	0	166	0	0	0	0	0	-5	0	-5	0	0	0	0	0	995	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	164	0	166	0	158	0	160	0	0	0	0	0	-5	0	-5	0	0	0	0	0	984	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	157	0	157	0	155	0	155	0	0	0	0	0	-3	0	-1	0	0	0	0	0	987	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	167	0	167	0	164	0	164	0	0	0	0	0	-3	0	-3	0	0	0	0	0	995	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	178	0	178	0	173	0	173	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1007	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	184	0	184	0	182	0	182	0	0	0	0	0	1	0	0	0	0	0	0	0	1018	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 SPD6	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
100	125	0	132	0	187	0	194	0	0	0	0	0	245	0	261	217	250	0	279	221	248	0	257	229	254	0	265	237	0	0	0	0	0	0
200	109	0	114	0	148	0	155	0	0	0	0	0	242	0	262	225	245	0	268	216	248	0	258	235	254	0	265	239	0	0	0	0	0	0
300	88	0	92	0	132	0	138	0	0	0	0	0	241	0	262	218	245	0	268	218	257	0	269	247	263	0	272	251	0	0	0	0	0	0
400	100	0	104	0	145	0	150	0	0	0	0	0	237	0	265	211	240	0	266	215	249	0	258	229	250	0	269	235	0	0	0	0	0	0
500	98	0	92	0	155	0	161	0	0	0	0	0	226	0	248	204	230	0	259	209	238	0	246	219	240	0	255	223	0	0	0	0	0	0
600	87	0	93	0	134	0	140	0	0	0	0	0	238	0	263	213	242	0	266	211	243	0	251	234	249	0	257	241	0	0	0	0	0	0
700	74	0	60	0	135	0	137	0	0	0	0	0	201	0	225	159	206	0	235	152	227	0	241	212	235	0	249	222	0	0	0	0	0	0
800	71	0	72	0	129	0	134	0	0	0	0	0	230	0	252	201	235	0	263	211	254	0	273	238	260	0	278	243	0	0	0	0	0	0
900	80	0	70	0	109	0	113	0	0	0	0	0	218	0	226	191	222	0	234	193	252	0	260	242	258	0	265	251	0	0	0	0	0	0
1000	51	0	48	0	94	0	98	0	0	0	0	0	219	0	240	187	229	0	252	200	247	0	258	222	250	0	265	240	0	0	0	0	0	0
1100	28	0	30	0	51	0	52	0	0	0	0	0	245	0	311	187	248	3	350	183	240	0	291	196	245	0	309	203	0	0	0	0	0	0
1200	46	0	49	0	53	0	55	0	0	0	0	0	249	0	302	217	250	0	307	207	257	0	275	226	264	0	280	237	0	0	0	0	0	0
1300	59	0	63	0	70	0	73	0	0	0	0	0	245	0	270	216	249	0	298	210	250	0	262	240	257	0	272	243	0	0	0	0	0	0
1400	53	0	56	0	59	0	61	0	0	0	0	0	243	0	272	209	245	0	267	207	259	0	279	223	260	0	282	239	0	0	0	0	0	0
1500	41	0	45	0	54	0	55	0	0	0	0	0	313	0	354	266	309	0	351	258	322	0	359	290	325	0	347	299	0	0	0	0	0	0
1600	32	0	38	0	52	0	51	0	0	0	0	0	320	0	358	291	316	0	356	291	329	0	352	292	332	0	2	285	0	0	0	0	0	0
1700	56	0	59	0	70	0	67	0	0	0	0	0	345	0	44	305	343	0	76	288	353	0	45	318	358	0	54	325	0	0	0	0	0	0
1800	69	0	70	0	96	0	93	0	0	0	0	0	23	0	50	359	22	0	46	334	14	0	45	336	19	0	45	334	0	0	0	0	0	0
1900	51	0	54	0	63	0	62	0	0	0	0	0	36	0	60	1	33	0	64	358	17	0	43	350	24	0	61	351	0	0	0	0	0	0
2000	41	0	47	0	55	0	56	0	0	0	0	0	46	0	68	24	45	0	67	18	38	0	61	15	45	0	68	15	0	0	0	0	0	0
2100	20	0	26	0	32	0	36	0	0	0	0	0	55	3	96	37	57	3	121	29	47	0	59	41	60	0	76	43	0	0	0	0	0	0
2200	30	0	33	0	41	0	40	0	0	0	0	0	44	3	59	29	44	0	59	29	34	0	39	27	39	0	50	19	0	0	0	0	0	0
2300	28	0	35	0	49	0	51	0	0	0	0	0	60	3	108	28	59	0	108	25	41	0	67	16	50	0	82	28	0	0	0	0	0	0
2400	80	0	81	0	111	0	109	0	0	0	0	0	22	0	47	341	21	0	52	338	13	0	31	345	18	0	43	341	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	158	0	158	0	169	0	169	0	0	0	0	0	3	0	3	0	0	0	0	0	996	0	0	0	0	0	0	0	0	0	0	0	0	0
200	160	0	160	0	166	0	166	0	0	0	0	0	5	0	5	0	0	0	0	0	986	0	0	0	0	0	0	0	0	0	0	0	0	0
300	160	0	162	0	176	0	178	0	0	0	0	0	16	0	16	0	0	0	0	0	1002	0	0	0	0	0	0	0	0	0	0	0	0	0
400	171	0	173	0	182	0	182	0	0	0	0	0	10	0	9	0	0	0	0	0	1009	0	0	0	0	0	0	0	0	0	0	0	0	0
500	140	0	140	0	151	0	151	0	0	0	0	0	10	0	12	0	0	0	0	0	975	0	0	0	0	0	0	0	0	0	0	0	0	0
600	139	0	139	0	149	0	149	0	0	0	0	0	10	0	10	0	0	0	0	0	977	0	0	0	0	0	0	0	0	0	0	0	0	0
700	122	0	121	0	146	0	146	0	0	0	0	0	23	0	27	0	0	0	0	0	970	0	0	0	0	0	0	0	0	0	0	0	0	0
800	119	0	119	0	153	0	155	0	0	0	0	0	36	0	36	0	0	0	0	0	969	0	0	0	0	0	0	0	0	0	0	0	0	0
900	130	0	131	0	173	0	173	0	0	0	0	0	43	0	43	0	0	0	0	0	995	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	155	0	157	0	176	0	178	0	0	0	0	0	21	0	19	0	0	0	0	0	977	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	202	0	203	0	189	0	189	0	0	0	0	0	-12	0	-14	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	238	0	239	0	232	0	239	0	0	0	0	0	-7	0	-7	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	241	0	245	0	234	0	236	0	0	0	0	0	-9	0	-9	0	0	0	0	0	995	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	245	0	248	0	241	0	243	0	0	0	0	0	-3	0	-3	0	0	0	0	0	977	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	254	0	256	0	247	0	247	0	0	0	0	0	-7	0	-9	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	243	0	245	0	230	0	230	0	0	0	0	0	-14	0	-14	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	232	0	234	0	225	0	225	0	0	0	0	0	-9	0	-9	0	0	0	0	0	995	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	218	0	218	0	209	0	209	0	0	0	0	0	-9	0	-9	0	0	0	0	0	977	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	212	0	212	0	202	0	203	0	0	0	0	0	-9	0	-9	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	207	0	209	0	198	0	200	0	0	0	0	0	-9	0	-9	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	203	0	203	0	196	0	196	0	0	0	0	0	-7	0	-7	0	0	0	0	0	995	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	200	0	202	0	194	0	194	0	0	0	0	0	-7	0	-7	0	0	0	0	0	977	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	194	0	194	0	189	0	189	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1039	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	189	0	189	0	180	0	180	0	0	0	0	0	-7	0	-9	0	0	0	0	0	1020	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

DIGITAL GRAPHICS INCORPORATED - AEP COOK

METRORLOGICAL DATA FOR FEBRUARY 9, 1982 PAGE 40

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	58	0	60	0	85	0	85	0	0	0	0	0	22	0	99	348	21	0	64	326	11	0	37	338	15	0	46	348	0	0	0	0	0	0
200	64	0	65	0	108	0	109	0	0	0	0	0	7	0	54	310	8	0	85	319	0	0	32	327	4	0	28	312	0	0	0	0	0	0
300	69	0	72	0	111	0	109	0	0	0	0	0	8	0	54	306	5	0	67	310	359	0	34	323	4	0	35	314	0	0	0	0	0	0
400	72	0	69	0	119	0	112	0	0	0	0	0	2	0	63	303	2	0	59	296	358	0	37	318	3	0	59	327	0	0	0	0	0	0
500	66	0	65	0	125	0	122	0	0	0	0	0	8	0	52	320	10	0	89	306	0	0	43	331	8	0	61	328	0	0	0	0	0	0
600	100	0	97	0	159	0	156	0	0	0	0	0	354	0	38	317	353	0	61	295	354	0	21	313	359	0	38	317	0	0	0	0	0	0
700	127	0	127	0	184	0	177	0	0	0	0	0	345	0	25	318	342	0	18	299	350	0	17	326	357	0	47	311	0	0	0	0	0	0
800	134	0	134	0	180	0	174	0	0	0	0	0	345	0	10	316	341	0	14	310	348	0	4	333	352	0	40	336	0	0	0	0	0	0
900	132	0	132	0	181	0	179	0	0	0	0	0	335	0	353	302	335	0	2	288	338	0	352	320	342	0	357	326	0	0	0	0	0	0
1000	119	0	118	0	168	0	168	0	0	0	0	0	316	0	342	283	314	0	357	262	325	0	343	310	329	0	6	309	0	0	0	0	0	0
1100	137	0	139	0	168	0	168	0	0	0	0	0	305	0	320	281	303	0	329	265	311	0	324	296	313	0	334	298	0	0	0	0	0	0
1200	157	0	153	0	187	0	190	0	0	0	0	0	296	0	311	280	294	0	317	272	301	0	313	286	304	0	316	293	0	0	0	0	0	0
1300	178	0	175	0	215	0	220	0	0	0	0	0	293	0	319	269	291	0	333	260	297	0	313	269	300	0	317	271	0	0	0	0	0	0
1400	166	0	163	0	204	0	208	0	0	0	0	0	295	0	319	272	292	0	327	265	298	0	313	289	301	0	313	289	0	0	0	0	0	0
1500	175	0	175	0	196	0	205	0	0	0	0	0	293	0	318	257	291	0	317	254	290	0	317	248	293	0	318	243	0	0	0	0	0	0
1600	143	0	148	0	169	0	172	0	0	0	0	0	276	0	311	239	279	0	316	227	278	0	336	249	282	0	336	298	0	0	0	0	0	0
1700	163	0	167	0	190	0	197	0	0	0	0	0	277	0	305	240	276	0	321	240	283	0	320	244	227	0	325	244	0	0	0	0	0	0
1800	186	0	190	0	222	0	225	0	0	0	0	0	276	0	305	247	275	0	320	240	283	0	321	246	288	0	324	253	0	0	0	0	0	0
1900	230	0	231	0	271	0	278	0	0	0	0	0	289	0	311	260	286	0	337	253	288	0	313	257	293	0	317	239	0	0	0	0	0	0
2000	223	0	229	0	269	0	273	0	0	0	0	0	287	0	308	257	287	0	321	250	290	0	331	245	293	0	319	257	0	0	0	0	0	0
2100	185	0	190	0	221	0	237	0	0	0	0	0	285	0	305	247	284	0	317	252	289	0	317	257	293	0	321	262	0	0	0	0	0	0
2200	206	0	206	0	234	0	244	0	0	0	0	0	294	0	333	267	293	0	344	250	293	0	328	266	297	0	330	271	0	0	0	0	0	0
2300	181	0	184	0	227	0	232	0	0	0	0	0	294	0	318	259	292	0	331	265	294	0	311	264	297	0	313	263	0	0	0	0	0	0
2400	180	0	176	0	216	0	225	0	0	0	0	0	293	0	319	257	291	0	344	254	295	0	329	266	299	0	324	274	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	187	0	187	0	178	0	178	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1022	0	0	0	0	0	0	0	0	0	0	0	0	0
200	185	0	185	0	178	0	178	0	0	0	0	0	-7	0	-7	0	0	0	0	0	977	2	0	0	0	0	0	0	0	0	0	0	0	0
300	178	0	180	0	171	0	171	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1022	0	0	0	0	0	0	0	0	0	0	0	0	0
400	173	0	175	0	166	0	166	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1016	0	0	0	0	0	0	0	0	0	0	0	0	0
500	173	0	173	0	169	0	169	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1016	0	0	0	0	0	0	0	0	0	0	0	0	0
600	169	0	169	0	160	0	160	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1005	0	0	0	0	0	0	0	0	0	0	0	0	0
700	164	0	164	0	155	0	155	0	0	0	0	0	-9	0	-9	0	0	0	0	0	987	0	0	0	0	0	0	0	0	0	0	0	0	0
800	160	0	160	0	149	0	149	0	0	0	0	0	-10	0	-10	0	0	0	0	0	977	0	0	0	0	0	0	0	0	0	0	0	0	0
900	157	0	157	0	148	0	148	0	0	0	0	0	-9	0	-9	0	0	0	0	0	975	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	153	0	153	0	144	0	142	0	0	0	0	0	-9	0	-9	0	0	0	0	0	977	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	146	0	148	0	135	0	135	0	0	0	0	0	-12	0	-14	0	0	0	0	0	991	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	146	0	148	0	130	0	130	0	0	0	0	0	-18	0	-18	0	0	0	0	0	1002	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	131	0	131	0	117	0	117	0	0	0	0	0	-14	0	-14	0	0	0	0	0	971	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	117	0	119	0	101	0	103	0	0	0	0	0	-16	0	-16	0	0	0	0	0	959	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	113	0	113	0	101	0	101	0	0	0	0	0	-12	0	-12	0	0	0	0	0	930	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	122	0	124	0	110	0	112	0	0	0	0	0	-12	0	-12	0	0	0	0	0	942	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	117	0	119	0	108	0	108	0	0	0	0	0	-10	0	-10	0	0	0	0	0	933	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	97	0	99	0	88	0	90	0	0	0	0	0	-9	0	-9	0	0	0	0	0	906	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	70	0	72	0	63	0	63	0	0	0	0	0	-9	0	-9	0	0	0	0	0	869	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	45	0	45	0	36	0	36	0	0	0	0	0	-9	0	-9	0	0	0	0	0	840	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	43	0	45	0	34	0	34	0	0	0	0	0	-9	0	-9	0	0	0	0	0	842	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	41	0	43	0	32	0	32	0	0	0	0	0	-9	0	-9	0	0	0	0	0	842	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	38	0	38	0	27	0	27	0	0	0	0	0	-9	0	-9	0	0	0	0	0	842	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	32	0	34	0	23	0	23	0	0	0	0	0	-9	0	-9	0	0	0	0	0	831	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

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR FEBRUARY 10, 1982 PAGE 91

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	166	0	169	0	205	0	209	0	0	0	0	0	293	0	313	269	290	0	318	254	297	0	313	266	302	0	324	277	0	0	0	0	0	0
200	148	0	148	0	178	0	184	0	0	0	0	0	280	0	320	254	278	0	317	242	281	0	321	245	288	0	325	251	0	0	0	0	0	0
300	143	0	147	0	162	0	168	0	0	0	0	0	284	0	342	248	283	0	333	238	285	0	314	239	290	0	313	261	0	0	0	0	0	0
400	116	0	120	0	153	0	158	0	0	0	0	0	278	0	325	237	279	0	323	231	282	0	319	246	283	0	321	237	0	0	0	0	0	0
500	143	0	149	0	161	0	165	0	0	0	0	0	266	0	313	227	265	0	299	229	269	0	296	252	275	0	327	256	0	0	0	0	0	0
600	133	0	138	0	169	0	176	0	0	0	0	0	258	0	289	229	261	0	290	217	258	0	297	239	264	0	300	241	0	0	0	0	0	0
700	157	0	166	0	218	0	226	0	0	0	0	0	251	0	273	229	254	0	283	230	249	0	265	238	256	0	275	244	0	0	0	0	0	0
800	121	0	116	0	179	0	185	0	0	0	0	0	226	0	260	195	232	0	267	200	229	0	248	212	238	0	258	219	0	0	0	0	0	0
900	98	0	95	0	153	0	159	0	0	0	0	0	229	0	270	197	233	0	273	185	232	0	253	216	239	0	257	224	0	0	0	0	0	0
1000	113	0	118	0	158	0	169	0	0	0	0	0	235	0	275	183	238	0	268	153	229	0	255	200	237	0	261	197	0	0	0	0	0	0
1100	120	0	125	0	160	0	167	0	0	0	0	0	241	0	268	153	246	0	279	199	241	0	267	213	249	0	265	212	0	0	0	0	0	0
1200	136	0	141	0	182	0	187	0	0	0	0	0	242	0	268	210	246	0	277	196	234	0	255	210	243	0	263	210	0	0	0	0	0	0
1300	145	0	153	0	173	0	180	0	0	0	0	0	246	0	271	191	251	0	282	215	237	0	267	208	245	0	265	225	0	0	0	0	0	0
1400	145	0	152	0	176	0	182	0	0	0	0	0	246	0	269	219	249	0	276	216	246	0	262	238	251	0	269	235	0	0	0	0	0	0
1500	113	0	119	0	136	0	142	0	0	0	0	0	248	0	271	222	251	0	279	222	250	0	260	240	255	0	266	237	0	0	0	0	0	0
1600	107	0	111	0	129	0	131	0	0	0	0	0	250	0	289	226	252	0	286	223	249	0	255	222	250	0	261	237	0	0	0	0	0	0
1700	101	0	105	0	131	0	137	0	0	0	0	0	242	0	272	204	245	0	288	208	237	0	268	212	243	0	274	217	0	0	0	0	0	0
1800	60	0	55	0	97	0	82	0	0	0	0	0	202	0	260	138	208	0	267	137	196	0	223	167	205	0	227	172	0	0	0	0	0	0
1900	68	0	60	0	108	0	94	0	0	0	0	0	209	0	248	160	215	0	261	160	209	0	225	178	215	0	259	193	0	0	0	0	0	0
2000	74	0	69	0	125	0	107	0	0	0	0	0	206	0	259	139	210	0	266	116	203	0	219	183	212	0	233	188	0	0	0	0	0	0
2100	67	0	60	0	119	0	106	0	0	0	0	0	208	0	269	112	216	0	259	159	208	0	235	189	216	0	239	177	0	0	0	0	0	0
2200	68	0	59	0	139	0	117	0	0	0	0	0	202	0	249	154	207	0	258	158	200	0	213	185	210	0	220	194	0	0	0	0	0	0
2300	59	0	47	0	99	0	90	0	0	0	0	0	211	0	239	183	217	0	241	186	219	0	226	190	221	0	233	194	0	0	0	0	0	0
2400	43	0	39	0	90	0	89	0	0	0	0	0	201	0	241	162	203	0	251	160	212	0	226	190	223	0	239	203	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	31	0	31	0	22	0	22	0	0	0	0	0	-9	0	-9	0	0	0	0	0	833	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	27	0	27	0	18	0	18	0	0	0	0	0	-9	0	-9	0	0	0	0	0	833	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	22	0	23	0	14	0	14	0	0	0	0	0	-9	0	-9	0	0	0	0	0	827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	22	0	22	0	13	0	13	0	0	0	0	0	-9	0	-9	0	0	0	0	0	829	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	14	0	16	0	9	0	9	0	0	0	0	0	-7	0	-7	0	0	0	0	0	824	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	4	0	5	0	0	0	0	0	0	0	0	0	-5	0	-5	0	0	0	0	0	815	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	-7	0	-7	0	-16	0	-16	0	0	0	0	0	-9	0	-9	0	0	0	0	0	809	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	-70	0	-70	0	-72	0	-72	0	0	0	0	0	-1	0	-1	0	0	0	0	0	726	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	-65	0	-65	0	-70	0	-70	0	0	0	0	0	-5	0	-5	0	0	0	0	0	769	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	-49	0	-47	0	-61	0	-61	0	0	0	0	0	-14	0	-14	0	0	0	0	0	791	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	-27	0	-25	0	-45	0	-43	0	0	0	0	0	-16	0	-18	0	0	0	0	0	813	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	-18	0	-16	0	-36	0	-36	0	0	0	0	0	-18	0	-18	0	0	0	0	0	815	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	0	0	2	0	-14	0	-14	0	0	0	0	0	-16	0	-16	0	0	0	0	0	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	16	0	18	0	-2	0	-2	0	0	0	0	0	-18	0	-18	0	0	0	0	0	869	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	29	0	31	0	7	0	9	0	0	0	0	0	-19	0	-21	0	0	0	0	0	890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	27	0	29	0	13	0	14	0	0	0	0	0	-14	0	-14	0	0	0	0	0	859	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	34	0	34	0	23	0	23	0	0	0	0	0	-10	0	-10	0	0	0	0	0	860	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	29	0	27	0	16	0	16	0	0	0	0	0	-12	0	-10	0	0	0	0	0	861	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	11	0	11	0	2	0	2	0	0	0	0	0	-9	0	-9	0	0	0	0	0	836	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	-7	0	-7	0	-11	0	-11	0	0	0	0	0	-3	0	-3	0	0	0	0	0	806	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	-20	0	-20	0	-23	0	-23	0	0	0	0	0	-3	0	-1	0	0	0	0	0	797	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	-34	0	-34	0	-32	0	-32	0	0	0	0	0	1	0	3	0	0	0	0	0	775	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	-32	0	-32	0	-31	0	-31	0	0	0	0	0	1	0	1	0	0	0	0	0	788	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	-25	0	-25	0	-23	0	-23	0	0	0	0	0	1	0	1	0	0	0	0	0	798	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	58	0	49	0	121	0	107	0	0	0	0	0	198	0	225	150	201	0	234	158	209	0	223	194	218	0	228	203	0	0	0	0	0	0
200	63	0	56	0	132	0	116	0	0	0	0	0	197	0	245	146	201	0	251	134	209	0	218	193	212	0	227	192	0	0	0	0	0	0
300	63	0	61	0	137	0	113	0	0	0	0	0	180	0	259	114	182	0	243	120	186	0	208	165	195	0	217	169	0	0	0	0	0	0
400	68	0	60	0	152	0	131	0	0	0	0	0	195	0	225	165	199	0	241	153	200	0	207	185	209	0	219	193	0	0	0	0	0	0
500	72	0	64	0	121	0	108	0	0	0	0	0	203	0	234	144	206	0	244	147	210	0	238	184	218	0	240	194	0	0	0	0	0	0
600	86	0	86	0	134	0	138	0	0	0	0	0	228	0	257	208	232	0	260	195	226	0	245	214	234	0	253	220	0	0	0	0	0	0
700	107	0	101	0	159	0	161	0	0	0	0	0	226	0	246	201	230	0	260	197	224	0	240	205	232	0	245	219	0	0	0	0	0	0
800	98	0	87	0	153	0	153	0	0	0	0	0	218	0	239	196	224	0	252	198	221	0	234	205	230	0	241	216	0	0	0	0	0	0
900	90	0	83	0	138	0	130	0	0	0	0	0	218	0	262	181	223	0	267	168	219	0	251	193	228	0	261	206	0	0	0	0	0	0
1000	122	0	129	0	169	0	173	0	0	0	0	0	237	0	279	208	241	0	272	207	231	0	251	208	238	0	261	217	0	0	0	0	0	0
1100	129	0	133	0	172	0	181	0	0	0	0	0	238	0	263	206	243	0	286	202	233	0	257	211	241	0	262	220	0	0	0	0	0	0
1200	119	0	121	0	157	0	160	0	0	0	0	0	241	0	267	207	244	0	327	200	231	0	259	210	238	0	262	220	0	0	0	0	0	0
1300	136	0	140	0	178	0	186	0	0	0	0	0	244	0	270	216	249	0	285	208	237	0	260	206	244	0	269	215	0	0	0	0	0	0
1400	173	0	178	0	229	0	243	0	0	0	0	0	249	0	276	222	252	0	301	222	245	0	265	230	252	0	271	237	0	0	0	0	0	0
1500	184	0	188	0	242	0	250	0	0	0	0	0	247	0	269	229	249	0	296	211	247	0	259	233	253	0	265	241	0	0	0	0	0	0
1600	175	0	183	0	237	0	246	0	0	0	0	0	252	0	278	236	254	0	288	231	250	0	261	238	255	0	265	242	0	0	0	0	0	0
1700	145	0	151	0	207	0	215	0	0	0	0	0	248	0	267	222	251	0	275	216	249	0	268	227	254	0	273	238	0	0	0	0	0	0
1800	152	0	155	0	210	0	219	0	0	0	0	0	250	0	290	222	253	0	290	224	250	0	260	239	256	0	265	247	0	0	0	0	0	0
1900	110	0	112	0	170	0	177	0	0	0	0	0	240	0	269	222	244	0	268	215	241	0	254	229	247	0	258	227	0	0	0	0	0	0
2000	79	0	78	0	129	0	132	0	0	0	0	0	228	0	246	198	232	0	266	204	228	0	244	213	235	0	247	222	0	0	0	0	0	0
2100	106	0	108	0	171	0	177	0	0	0	0	0	235	0	258	207	237	0	267	211	231	0	251	206	237	0	255	218	0	0	0	0	0	0
2200	117	0	122	0	155	0	161	0	0	0	0	0	248	0	270	227	251	0	278	222	255	0	266	246	261	0	270	253	0	0	0	0	0	0
2300	77	0	82	0	110	0	114	0	0	0	0	0	242	0	259	220	246	0	267	217	257	0	267	239	263	0	272	248	0	0	0	0	0	0
2400	69	0	68	0	107	0	110	0	0	0	0	0	221	0	259	171	225	0	252	168	241	0	261	205	247	0	265	220	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	-16	0	-14	0	-9	0	-9	0	0	0	0	0	12	0	10	0	0	0	0	0	807	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	-11	0	-9	0	2	0	0	0	0	0	0	0	10	0	12	0	0	0	0	0	811	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	-11	0	-11	0	-5	0	-5	0	0	0	0	0	5	0	5	0	0	0	0	0	809	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	-18	0	-16	0	-5	0	-5	0	0	0	0	0	12	0	12	0	0	0	0	0	802	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	7	0	7	0	11	0	11	0	0	0	0	0	1	0	3	0	0	0	0	0	827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	2	0	2	0	4	0	4	0	0	0	0	0	1	0	1	0	0	0	0	0	813	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	14	0	14	0	13	0	13	0	0	0	0	0	-1	0	1	0	0	0	0	0	829	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	13	0	13	0	14	0	14	0	0	0	0	0	3	0	3	0	0	0	0	0	827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	32	0	34	0	29	0	29	0	0	0	0	0	-3	0	-3	0	0	0	0	0	879	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	67	0	68	0	58	0	58	0	0	0	0	0	-10	0	-10	0	0	0	0	0	932	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	104	0	106	0	90	0	90	0	0	0	0	0	-14	0	-16	0	0	0	0	0	973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	135	0	137	0	121	0	121	0	0	0	0	0	-14	0	-16	0	0	0	0	0	1023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	166	0	169	0	149	0	149	0	0	0	0	0	-18	0	-18	0	0	0	0	0	1023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	187	0	189	0	171	0	171	0	0	0	0	0	-16	0	-18	0	0	0	0	0	932	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	200	0	202	0	185	0	185	0	0	0	0	0	-16	0	-18	0	0	0	0	0	973	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	205	0	207	0	193	0	191	0	0	0	0	0	-14	0	-14	0	0	0	0	0	1036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	212	0	214	0	202	0	202	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1023	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	207	0	207	0	202	0	202	0	0	0	0	0	-5	0	-3	0	0	0	0	0	1031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	187	0	187	0	189	0	189	0	0	0	0	0	1	0	3	0	0	0	0	0	1022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	167	0	167	0	169	0	169	0	0	0	0	0	1	0	1	0	0	0	0	0	1007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	155	0	155	0	158	0	158	0	0	0	0	0	3	0	3	0	0	0	0	0	980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	169	0	169	0	178	0	178	0	0	0	0	0	9	0	9	0	0	0	0	0	987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	175	0	176	0	187	0	187	0	0	0	0	0	10	0	10	0	0	0	0	0	1007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	153	0	151	0	171	0	171	0	0	0	0	0	18	0	18	0	0	0	0	0	1005	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

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HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	77	0	68	0	81	0	89	0	0	0	0	0	216	0	237	188	221	0	245	198	244	0	262	227	251	0	266	231	0	0	0	0	0	0
200	63	0	58	0	74	0	76	0	0	0	0	0	215	0	240	148	218	0	256	161	245	0	257	226	251	0	264	234	0	0	0	0	0	0
300	82	0	70	0	83	0	85	0	0	0	0	0	217	0	233	190	220	0	239	193	239	0	243	234	245	0	248	241	0	0	0	0	0	0
400	64	0	63	0	95	0	99	0	0	0	0	0	226	0	240	207	230	0	252	210	249	0	258	240	254	0	263	244	0	0	0	0	0	0
500	53	0	58	0	74	0	76	0	0	0	0	0	239	0	278	219	243	0	279	218	274	0	301	255	279	0	300	261	0	0	0	0	0	0
600	53	0	49	0	57	0	59	0	0	0	0	0	202	0	224	175	205	0	229	155	253	0	262	250	259	0	268	251	0	0	0	0	0	0
700	34	0	35	0	29	0	30	0	0	0	0	0	221	0	247	169	222	0	249	161	255	0	256	246	239	0	252	219	0	0	0	0	0	0
800	53	0	54	0	39	0	35	0	0	0	0	0	165	0	210	130	167	0	217	135	205	0	205	204	204	0	237	183	0	0	0	0	0	0
900	35	0	41	0	33	0	34	0	0	0	0	0	149	0	186	124	151	0	185	126	156	0	156	156	176	0	268	163	0	0	0	0	0	0
1000	26	0	30	0	77	0	79	0	0	0	0	0	156	0	207	118	160	3	207	128	161	0	166	155	172	0	175	163	0	0	0	0	0	0
1100	36	0	40	0	55	0	56	0	0	0	0	0	129	0	150	106	131	0	165	111	147	0	173	128	159	0	186	145	0	0	0	0	0	0
1200	35	0	40	0	51	0	48	0	0	0	0	0	146	0	209	114	152	0	211	109	169	0	197	136	179	0	261	139	0	0	0	0	0	0
1300	41	0	47	0	44	0	46	0	0	0	0	0	126	0	163	99	134	0	162	101	140	0	172	114	151	0	182	127	0	0	0	0	0	0
1400	26	0	32	0	15	0	17	0	0	0	0	0	305	0	7	271	298	0	333	216	286	5	309	255	293	5	87	273	0	0	0	0	0	0
1500	20	0	22	0	24	0	25	0	0	0	0	0	263	3	356	180	145	3	263	4	273	0	343	194	227	3	359	103	0	0	0	0	0	0
1600	49	0	53	0	54	0	56	0	0	0	0	0	278	0	310	236	275	0	305	232	263	0	286	231	268	0	300	228	0	0	0	0	0	0
1700	42	0	45	0	50	0	52	0	0	0	0	0	297	0	328	231	294	0	341	216	287	0	309	224	291	0	313	237	0	0	0	0	0	0
1800	36	0	40	0	49	0	51	0	0	0	0	0	310	0	329	285	307	0	341	273	288	0	312	260	291	0	317	257	0	0	0	0	0	0
1900	34	0	37	0	39	0	41	0	0	0	0	0	232	0	244	210	235	0	258	211	257	0	264	254	255	0	264	239	0	0	0	0	0	0
2000	47	0	38	0	49	0	51	0	0	0	0	0	215	0	225	199	218	0	229	200	229	0	233	224	237	0	242	231	0	0	0	0	0	0
2100	51	0	56	0	67	0	70	0	0	0	0	0	237	0	253	217	241	0	256	224	243	0	247	236	249	0	254	241	0	0	0	0	0	0
2200	61	0	65	0	84	0	87	0	0	0	0	0	242	0	257	222	247	0	267	229	254	0	258	248	260	0	265	255	0	0	0	0	0	0
2300	66	0	72	0	97	0	102	0	0	0	0	0	245	0	262	226	248	0	275	224	259	0	264	254	265	0	269	261	0	0	0	0	0	0
2400	88	0	94	0	124	0	130	0	0	0	0	0	250	0	269	223	254	0	275	219	265	0	273	260	271	0	278	264	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	148	0	149	0	175	0	175	0	0	0	0	0	25	0	23	0	0	0	0	0	996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	158	0	158	0	185	0	185	0	0	0	0	0	27	0	27	0	0	0	0	0	1013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	149	0	149	0	194	0	194	0	0	0	0	0	45	0	45	0	0	0	0	0	1004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	160	0	162	0	196	0	196	0	0	0	0	0	36	0	36	0	0	0	0	0	1014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	166	0	166	0	200	0	200	0	0	0	0	0	34	0	34	0	0	0	0	0	1023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	155	0	155	0	203	0	202	0	0	0	0	0	46	0	46	0	0	0	0	0	1020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	160	0	162	0	205	0	205	0	0	0	0	0	45	0	43	0	0	0	0	0	1016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	142	0	144	0	207	0	207	0	0	0	0	0	63	0	63	0	0	0	0	0	996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	148	0	149	0	207	0	207	0	0	0	0	0	57	0	57	0	0	0	0	0	998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	175	0	176	0	203	0	203	0	0	0	0	0	28	0	27	0	0	0	0	0	1020	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	194	0	196	0	187	0	187	0	0	0	0	0	-9	0	-7	0	0	0	0	0	1016	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	211	0	212	0	191	0	193	0	0	0	0	0	-18	0	-19	0	0	0	0	0	996	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	230	0	229	0	209	0	211	0	0	0	0	0	-19	0	-18	0	0	0	0	0	998	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	265	0	270	0	277	0	279	0	0	0	0	0	10	0	10	0	0	0	0	0	1020	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	284	0	288	0	254	0	256	0	0	0	0	0	-30	0	-30	0	0	0	0	0	1016	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	266	0	268	0	252	0	254	0	0	0	0	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	248	0	250	0	239	0	239	0	0	0	0	0	-9	0	-10	0	0	0	0	0	1005	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	238	0	238	0	232	0	232	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1022	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	227	0	225	0	220	0	218	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1007	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	220	0	220	0	227	0	227	0	0	0	0	0	7	0	9	0	0	0	0	0	996	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	221	0	221	0	221	0	221	0	0	0	0	0	0	0	0	0	0	0	0	0	998	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	216	0	216	0	216	0	216	0	0	0	0	0	0	0	0	0	0	0	0	0	1020	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	205	0	205	0	209	0	209	0	0	0	0	0	3	0	3	0	0	0	0	0	1024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	205	0	207	0	220	0	220	0	0	0	0	0	12	0	12	0	0	0	0	0	1032	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	87	0	94	0	116	0	121	0	0	0	0	0	253	0	277	229	257	0	279	238	270	0	281	250	276	0	288	262	0	0	0	0	0	0
200	82	0	88	0	117	0	121	0	0	0	0	0	257	0	280	246	259	0	286	241	273	0	280	264	278	0	286	270	0	0	0	0	0	0
300	75	0	82	0	101	0	105	0	0	0	0	0	253	0	265	239	256	0	275	234	277	0	286	270	282	0	289	274	0	0	0	0	0	0
400	75	0	81	0	97	0	101	0	0	0	0	0	258	0	275	240	261	0	279	235	282	0	293	273	286	0	295	273	0	0	0	0	0	0
500	68	0	74	0	100	0	104	0	0	0	0	0	247	0	267	230	251	0	283	216	269	0	278	252	274	0	284	264	0	0	0	0	0	0
600	73	0	78	0	103	0	108	0	0	0	0	0	253	0	267	238	256	0	279	218	267	0	278	258	272	0	282	265	0	0	0	0	0	0
700	82	0	90	0	126	0	130	0	0	0	0	0	255	0	271	232	258	0	281	237	269	0	276	262	274	0	281	263	0	0	0	0	0	0
800	83	0	89	0	122	0	129	0	0	0	0	0	237	0	260	219	242	0	264	216	251	0	259	225	256	0	269	237	0	0	0	0	0	0
900	82	0	89	0	108	0	113	0	0	0	0	0	242	0	267	226	246	0	269	209	253	0	259	243	258	0	269	247	0	0	0	0	0	0
1000	101	0	107	0	135	0	141	0	0	0	0	0	240	0	266	218	243	0	267	212	245	0	255	223	250	0	261	230	0	0	0	0	0	0
1100	92	0	95	0	122	0	128	0	0	0	0	0	235	0	272	207	239	0	278	199	237	0	254	209	243	0	261	224	0	0	0	0	0	0
1200	91	0	95	0	113	0	118	0	0	0	0	0	240	0	271	184	244	0	283	184	236	0	264	209	242	0	269	218	0	0	0	0	0	0
1300	79	0	80	0	102	0	106	0	0	0	0	0	238	0	286	189	243	0	290	189	237	0	267	195	243	0	273	198	0	0	0	0	0	0
1400	69	0	69	0	82	0	78	0	0	0	0	0	238	0	309	185	241	0	339	189	222	0	269	170	230	0	272	189	0	0	0	0	0	0
1500	80	0	77	0	109	0	98	0	0	0	0	0	226	0	269	154	233	0	267	154	214	0	254	173	222	0	252	188	0	0	0	0	0	0
1600	57	0	57	0	87	0	80	0	0	0	0	0	212	0	268	119	214	0	268	126	209	0	254	155	213	0	258	174	0	0	0	0	0	0
1700	77	0	73	0	115	0	109	0	0	0	0	0	221	0	267	151	228	0	283	184	220	0	263	176	227	0	268	183	0	0	0	0	0	0
1800	67	0	65	0	103	0	94	0	0	0	0	0	217	0	249	155	219	0	267	150	215	0	245	190	223	0	244	196	0	0	0	0	0	0
1900	90	0	85	0	127	0	125	0	0	0	0	0	227	0	257	185	231	0	267	168	224	0	264	199	231	0	257	209	0	0	0	0	0	0
2000	80	0	73	0	122	0	110	0	0	0	0	0	218	0	268	125	222	0	266	149	211	0	242	155	217	0	241	164	0	0	0	0	0	0
2100	92	0	82	0	143	0	123	0	0	0	0	0	211	0	255	143	214	0	256	139	206	0	233	182	214	0	235	192	0	0	0	0	0	0
2200	97	0	100	0	146	0	152	0	0	0	0	0	238	0	271	206	243	0	293	198	237	0	266	211	240	0	267	203	0	0	0	0	0	0
2300	106	0	110	0	157	0	164	0	0	0	0	0	239	0	269	205	243	0	275	207	239	0	264	222	245	0	265	229	0	0	0	0	0	0
2400	133	0	137	0	192	0	202	0	0	0	0	0	249	0	279	221	252	0	286	213	247	0	257	231	253	0	261	238	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	207	0	207	0	220	0	220	0	0	0	0	0	12	0	12	0	0	0	0	0	998	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	205	0	207	0	220	0	220	0	0	0	0	0	14	0	14	0	0	0	0	0	1029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	205	0	207	0	221	0	221	0	0	0	0	0	14	0	14	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	196	0	196	0	211	0	209	0	0	0	0	0	12	0	12	0	0	0	0	0	1032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	196	0	196	0	212	0	211	0	0	0	0	0	14	0	14	0	0	0	0	0	1034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	193	0	193	0	200	0	200	0	0	0	0	0	7	0	9	0	0	0	0	0	1027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	178	0	178	0	189	0	187	0	0	0	0	0	10	0	10	0	0	0	0	0	1002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	166	0	166	0	176	0	176	0	0	0	0	0	10	0	10	0	0	0	0	0	991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	175	0	176	0	180	0	180	0	0	0	0	0	3	0	3	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	176	0	178	0	171	0	171	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	196	0	198	0	184	0	184	0	0	0	0	0	-14	0	-14	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	214	0	216	0	198	0	198	0	0	0	0	0	-18	0	-18	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	245	0	247	0	223	0	223	0	0	0	0	0	-21	0	-23	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	257	0	261	0	239	0	239	0	0	0	0	0	-18	0	-19	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	247	0	248	0	234	0	234	0	0	0	0	0	-14	0	-16	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	254	0	256	0	238	0	238	0	0	0	0	0	-18	0	-18	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	232	0	234	0	221	0	221	0	0	0	0	0	-12	0	-12	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	223	0	223	0	216	0	216	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	225	0	225	0	216	0	216	0	0	0	0	0	-7	0	-9	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	221	0	221	0	212	0	212	0	0	0	0	0	-9	0	-9	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	-7	0	-7	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	27	[illegible]	2 7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	-7	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	230	0	230	0	223	0	223	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1032	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	243	0	245	0	238	0	236	0	0	0	0	0	-7	0	-7	0	0	0	0	0	991	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 SPD6	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
100	105	0	107	0	152	0	159	0	0	0	0	0	254	0	282	232	257	0	296	215	254	0	272	240	260	0	275	233	0	0	0	0	0	0
200	70	0	71	0	109	0	112	0	0	0	0	0	237	0	269	202	241	0	284	202	235	0	262	176	240	0	260	203	0	0	0	0	0	0
300	72	0	65	0	104	0	97	0	0	0	0	0	217	0	252	130	222	0	276	184	217	0	244	184	225	0	252	193	0	0	0	0	0	0
400	85	0	81	0	91	0	75	0	0	0	0	0	183	0	225	138	187	0	252	133	189	0	211	168	199	0	240	182	0	0	0	0	0	0
500	90	0	91	0	85	0	75	0	0	0	0	0	171	0	215	130	175	0	220	119	183	0	210	154	192	0	218	175	0	0	0	0	0	0
600	98	0	99	0	94	0	85	0	0	0	0	0	171	0	254	102	178	0	259	114	185	0	212	161	195	0	225	166	0	0	0	0	0	0
700	99	0	98	0	93	0	78	0	0	0	0	0	184	0	240	106	189	0	259	130	190	0	206	166	199	0	216	172	0	0	0	0	0	0
800	98	0	99	0	99	0	78	0	0	0	0	0	168	0	215	110	173	0	223	110	180	0	208	151	189	0	256	159	0	0	0	0	0	0
900	52	0	55	0	160	0	86	0	0	0	0	0	171	0	257	113	177	0	268	99	178	0	212	151	189	0	249	169	0	0	0	0	0	0
1000	50	0	54	0	75	0	87	0	0	0	0	0	158	0	223	92	169	0	219	100	174	0	199	135	187	0	259	155	0	0	0	0	0	0
1100	60	0	65	0	103	0	96	0	0	0	0	0	174	0	253	97	181	0	240	119	179	0	216	132	187	0	222	155	0	0	0	0	0	0
1200	54	0	55	0	107	0	99	0	0	0	0	0	168	0	259	97	172	0	265	90	181	0	269	148	188	0	245	147	0	0	0	0	0	0
1300	80	0	89	0	135	0	134	0	0	0	0	0	147	0	197	101	154	0	218	105	164	0	198	133	174	0	214	141	0	0	0	0	0	0
1400	76	0	79	0	132	0	124	0	0	0	0	0	158	0	243	109	163	0	222	110	166	0	211	127	177	0	209	144	0	0	0	0	0	0
1500	100	0	101	0	165	0	153	0	0	0	0	0	161	0	210	118	171	0	251	121	170	0	199	140	180	0	206	160	0	0	0	0	0	0
1600	101	0	105	0	161	0	158	0	0	0	0	0	157	0	298	122	159	0	219	99	165	0	188	139	173	0	205	147	0	0	0	0	0	0
1700	88	0	90	0	160	0	153	0	0	0	0	0	164	0	256	113	171	0	243	99	172	0	229	144	180	0	210	155	0	0	0	0	0	0
1800	91	0	92	0	186	0	163	0	0	0	0	0	170	0	229	111	174	0	226	120	177	0	211	146	186	0	211	163	0	0	0	0	0	0
1900	97	0	92	0	172	0	148	0	0	0	0	0	177	0	243	120	182	0	252	118	183	0	211	157	192	0	219	165	0	0	0	0	0	0
2000	105	0	95	0	200	0	169	0	0	0	0	0	194	0	296	117	198	0	267	130	196	0	251	154	206	0	251	177	0	0	0	0	0	0
2100	146	0	123	0	219	0	187	0	0	0	0	0	212	0	267	152	217	0	265	122	203	0	241	168	213	0	242	182	0	0	0	0	0	0
2200	163	0	147	0	255	0	223	0	0	0	0	0	216	0	256	197	222	0	267	209	208	0	245	179	217	0	244	187	0	0	0	0	0	0
2300	170	0	148	0	262	0	235	0	0	0	0	0	215	0	261	167	219	0	266	138	211	0	231	174	219	0	243	192	0	0	0	0	0	0
2400	178	0	169	0	251	0	239	0	0	0	0	0	228	0	249	198	231	0	275	185	218	0	246	195	226	0	253	200	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	241	0	241	0	234	0	234	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	232	0	232	0	225	0	225	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	220	0	220	0	212	0	212	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	203	0	203	0	198	0	198	0	0	0	0	0	-7	0	-5	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	200	0	200	0	194	0	194	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	198	0	200	0	194	0	194	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	200	0	200	0	196	0	194	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	200	0	200	0	193	0	193	0	0	0	0	0	-5	0	-5	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	212	0	214	0	203	0	202	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	236	0	238	0	216	0	216	0	0	0	0	0	-19	0	-21	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	254	0	256	0	232	0	232	0	0	0	0	0	-23	0	-25	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	290	0	293	0	259	0	259	0	0	0	0	0	-30	0	-32	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	295	0	295	0	272	0	272	0	0	0	0	0	-23	0	-23	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	321	0	323	0	297	0	297	0	0	0	0	0	-25	0	-27	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	338	0	339	0	317	0	317	0	0	0	0	0	-23	0	-23	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	338	0	339	0	323	0	325	0	0	0	0	0	-14	0	-16	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	341	0	341	0	330	0	330	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	338	0	339	0	336	0	334	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	352	0	354	0	352	0	352	0	0	0	0	0	0	0	0	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	375	0	375	0	374	0	374	0	0	0	0	0	1	0	1	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	383	0	383	0	379	0	379	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	383	0	383	0	379	0	379	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	397	0	399	0	395	0	393	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	402	0	404	0	399	0	399	0	0	0	0	0	-3	0	-3	0	0	0	0	0	991	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 SPD6	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
100	189	0	176	0	272	0	265	0	0	0	0	0	227	0	270	188	233	0	286	190	222	0	253	179	231	0	260	189	0	0	0	0	0	0
200	174	0	165	0	259	0	254	0	0	0	0	0	228	0	290	196	231	0	268	168	222	0	257	200	229	0	257	198	0	0	0	0	0	0
300	148	0	141	0	223	0	217	0	0	0	0	0	230	0	283	200	236	0	288	199	222	0	249	195	227	0	252	209	0	0	0	0	0	0
400	144	0	137	0	226	0	229	0	0	0	0	0	228	0	269	193	232	0	288	180	222	0	252	199	230	0	268	201	0	0	0	0	0	0
500	153	0	147	0	237	0	237	0	0	0	0	0	229	0	253	203	239	0	295	190	226	0	259	207	233	0	264	213	0	0	0	0	0	0
600	148	0	137	0	226	0	226	0	0	0	0	0	228	0	269	196	232	0	279	188	224	0	257	191	231	0	250	202	0	0	0	0	0	0
700	152	0	144	0	225	0	221	0	0	0	0	0	230	0	263	203	232	0	263	194	224	0	251	189	230	0	252	194	0	0	0	0	0	0
800	141	0	136	0	213	0	212	0	0	0	0	0	231	0	262	203	236	0	284	190	226	0	257	206	231	0	254	209	0	0	0	0	0	0
900	114	0	109	0	166	0	163	0	0	0	0	0	227	0	287	181	230	0	283	181	224	0	256	199	232	0	265	205	0	0	0	0	0	0
1000	119	0	119	0	198	0	199	0	0	0	0	0	232	0	264	195	236	0	283	196	221	0	293	188	229	0	260	189	0	0	0	0	0	0
1100	135	0	134	0	205	0	209	0	0	0	0	0	236	0	265	210	242	0	273	215	230	0	296	195	236	0	253	216	0	0	0	0	0	0
1200	122	0	122	0	192	0	195	0	0	0	0	0	236	0	263	188	242	0	276	195	229	0	296	206	237	0	258	217	0	0	0	0	0	0
1300	128	0	124	0	217	0	222	0	0	0	0	0	237	0	279	214	241	0	307	198	239	0	258	213	239	0	258	220	0	0	0	0	0	0
1400	98	0	97	0	140	0	142	0	0	0	0	0	233	0	295	194	237	0	279	198	227	0	260	204	235	0	262	207	0	0	0	0	0	0
1500	112	0	113	0	168	0	173	0	0	0	0	0	237	0	270	211	240	0	275	199	232	0	251	204	237	0	256	216	0	0	0	0	0	0
1600	114	0	115	0	182	0	189	0	0	0	0	0	237	0	267	197	240	0	278	186	238	0	257	219	243	0	265	227	0	0	0	0	0	0
1700	110	0	111	0	179	0	184	0	0	0	0	0	240	0	261	203	244	0	274	205	243	0	258	230	248	0	262	231	0	0	0	0	0	0
1800	118	0	122	0	186	0	190	0	0	0	0	0	238	0	280	210	241	0	284	205	239	0	253	223	242	0	258	221	0	0	0	0	0	0
1900	58	0	51	0	100	0	94	0	0	0	0	0	219	0	243	190	219	0	295	189	216	0	233	196	224	0	238	209	0	0	0	0	0	0
2000	67	0	63	0	111	0	114	0	0	0	0	0	224	0	252	190	228	0	263	190	227	0	238	202	239	0	248	200	0	0	0	0	0	0
2100	77	0	78	0	120	0	126	0	0	0	0	0	233	0	261	209	238	0	279	202	241	0	251	223	244	0	253	225	0	0	0	0	0	0
2200	83	0	76	0	126	0	127	0	0	0	0	0	222	0	299	199	27	0	256	199	225	0	291	193	231	0	292	208	0	0	0	0	0	0
2300	61	0	54	0	105	0	104	0	0	0	0	0	214	0	243	187	219	0	295	184	221	0	238	198	228	0	245	208	0	0	0	0	0	0
2400	68	0	72	0	106	0	111	0	0	0	0	0	235	0	258	208	239	0	272	208	242	0	257	227	247	0	261	231	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	410	0	410	0	408	0	406	0	0	0	0	0	-1	0	-1	0	0	0	0	0	1039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	408	0	408	0	406	0	406	0	0	0	0	0	-1	0	-1	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	404	0	404	0	402	0	402	0	0	0	0	0	1	0	1	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	397	0	397	0	395	0	395	0	0	0	0	0	0	0	0	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	395	0	395	0	393	0	393	0	0	0	0	0	1	0	1	0	0	0	0	0	1039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	392	0	390	0	390	0	388	0	0	0	0	0	-1	0	-1	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	392	0	392	0	392	0	392	0	0	0	0	0	0	0	0	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	390	0	390	0	390	0	390	0	0	0	0	0	0	0	0	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	406	0	406	0	397	0	397	0	0	0	0	0	-7	0	-9	0	0	0	0	0	1039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	419	0	420	0	408	0	408	0	0	0	0	0	-10	0	-12	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	419	0	419	0	406	0	406	0	0	0	0	0	-12	0	-12	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	428	0	428	0	417	0	417	0	0	0	0	0	-9	0	-10	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	420	0	422	0	415	0	415	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	431	0	433	0	420	0	420	0	0	0	0	0	-12	0	-14	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	433	0	433	0	419	0	419	0	0	0	0	0	-14	0	-14	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	415	0	415	0	415	0	415	0	0	0	0	0	0	0	0	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	397	0	399	0	413	0	411	0	0	0	0	0	14	0	14	0	0	0	0	0	1039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	390	0	390	0	402	0	402	0	0	0	0	0	12	0	10	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	386	0	386	0	392	0	392	0	0	0	0	0	5	0	5	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	381	0	381	0	383	0	383	0	0	0	0	0	1	0	1	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	379	0	379	0	379	0	379	0	0	0	0	0	0	0	0	0	0	0	0	0	1039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	379	0	379	0	375	0	374	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	370	0	370	0	368	0	368	0	0	0	0	0	1	0	1	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	372	0	372	0	368	0	368	0	0	0	0	0	-3	0	-3	0	0	0	0	0	991	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 SPD9 150B	S	WIND SPD5	S	WIND SPD6	S	WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR9 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S
100	65	0	68	0	102	0	107	0	0	0	0	0	235	0	257	201	239	0	263	199	241	0	259	231	246	0	261	236	0	0	0	0	0	0
200	72	0	76	0	103	0	108	0	0	0	0	0	249	0	265	218	248	0	279	222	249	0	274	241	254	0	266	247	0	0	0	0	0	0
300	69	0	74	0	92	0	96	0	0	0	0	0	253	0	269	237	257	0	279	234	267	0	288	258	272	0	282	262	0	0	0	0	0	0
400	59	0	62	0	91	0	92	0	0	0	0	0	329	0	8	283	327	0	19	287	330	0	354	282	332	0	356	289	0	0	0	0	0	0
500	50	0	57	0	75	0	81	0	0	0	0	0	90	0	127	37	91	0	138	48	71	0	99	46	78	0	122	51	0	0	0	0	0	0
600	76	0	77	0	113	0	112	0	0	0	0	0	111	0	126	95	117	0	140	97	102	0	121	93	111	0	126	100	0	0	0	0	0	0
700	73	0	76	0	114	0	116	0	0	0	0	0	115	0	129	97	120	0	135	97	113	0	121	100	123	0	132	108	0	0	0	0	0	0
800	66	0	72	0	103	0	105	0	0	0	0	0	125	0	139	106	130	0	143	114	128	0	139	121	138	0	146	128	0	0	0	0	0	0
900	66	0	76	0	97	0	98	0	0	0	0	0	72	0	88	55	76	0	99	47	78	0	94	61	85	0	100	70	0	0	0	0	0	0
1000	81	0	84	0	100	0	101	0	0	0	0	0	84	0	112	57	87	0	115	62	82	0	102	60	90	0	111	66	0	0	0	0	0	0
1100	90	0	91	0	122	0	122	0	0	0	0	0	102	0	128	77	107	0	138	79	97	0	121	76	106	0	126	81	0	0	0	0	0	0
1200	109	0	112	0	130	0	130	0	0	0	0	0	85	0	111	66	88	0	132	56	85	0	109	68	92	0	120	76	0	0	0	0	0	0
1300	126	0	127	0	165	0	161	0	0	0	0	0	89	0	108	63	93	0	138	53	86	0	101	68	94	0	111	75	0	0	0	0	0	0
1400	141	0	149	0	176	0	180	0	0	0	0	0	82	0	117	56	85	0	129	59	80	0	103	45	89	0	116	65	0	0	0	0	0	0
1500	123	0	128	0	157	0	163	0	0	0	0	0	79	0	100	50	82	0	138	52	75	0	104	50	86	0	113	51	0	0	0	0	0	0
1600	148	0	149	0	202	0	200	0	0	0	0	0	98	0	126	74	102	0	152	41	94	0	118	76	104	0	127	83	0	0	0	0	0	0
1700	128	0	129	0	177	0	174	0	0	0	0	0	92	0	116	69	96	0	132	67	91	0	117	73	102	0	124	81	0	0	0	0	0	0
1800	115	0	123	0	158	0	162	0	0	0	0	0	80	0	103	62	83	0	113	48	78	0	109	54	86	0	110	59	0	0	0	0	0	0
1900	136	0	135	0	186	0	185	0	0	0	0	0	87	0	114	62	89	0	126	56	83	0	98	69	92	0	115	70	0	0	0	0	0	0
2000	132	0	130	0	169	0	166	0	0	0	0	0	88	0	111	67	92	0	130	65	85	0	104	65	93	0	110	76	0	0	0	0	0	0
2100	146	0	151	0	203	0	199	0	0	0	0	0	93	0	120	68	97	0	140	56	92	0	115	71	102	0	125	84	0	0	0	0	0	0
2200	127	0	128	0	172	0	170	0	0	0	0	0	99	0	126	77	105	0	144	73	96	0	117	70	106	0	140	82	0	0	0	0	0	0
2300	141	0	140	0	190	0	187	0	0	0	0	0	92	0	117	67	99	0	129	50	89	0	108	64	99	0	114	77	0	0	0	0	0	0
2400	133	0	139	0	175	0	174	0	0	0	0	0	89	0	116	65	93	0	139	53	88	0	110	67	97	0	122	77	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM9 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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	366	0	366	0	366	0	366	0	0	0	0	0	1	0	1	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	365	0	365	0	361	0	361	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	359	0	359	0	356	0	354	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	347	0	347	0	345	0	343	0	0	0	0	0	-3	0	-3	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	341	0	343	0	338	0	338	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	338	0	338	0	339	0	339	0	0	0	0	0	1	0	1	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	339	0	341	0	345	0	345	0	0	0	0	0	5	0	5	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	339	0	339	0	341	0	341	0	0	0	0	0	1	0	1	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	339	0	341	0	338	0	338	0	0	0	0	0	-1	0	-3	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	350	0	352	0	343	0	341	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	366	0	368	0	357	0	356	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	372	0	372	0	361	0	359	0	0	0	0	0	-10	0	-10	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	370	0	370	0	361	0	361	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	366	0	368	0	357	0	357	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	357	0	359	0	348	0	348	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	354	0	354	0	345	0	345	0	0	0	0	0	-9	0	-9	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	352	0	354	0	345	0	343	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	341	0	341	0	332	0	332	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	334	0	334	0	327	0	327	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	336	0	336	0	330	0	330	0	0	0	0	0	-7	0	-7	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	339	0	339	0	332	0	332	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	338	0	338	0	330	0	330	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	332	0	332	0	325	0	325	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	325	0	327	0	321	0	321	0	0	0	0	0	-7	0	-7	0	0	0	0	0	991	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 SPD6	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
100	174	0	174	0	232	0	232	0	0	0	0	0	97	0	118	72	100	0	142	70	96	0	113	80	106	0	129	75	0	0	0	0	0	0
200	144	0	146	0	184	0	182	0	0	00	0	0	90	0	120	67	93	0	131	60	87	0	108	67	98	0	121	69	0	0	0	0	0	0
300	159	0	166	0	194	0	198	0	0	0	0	0	80	0	98	59	81	0	108	33	82	0	104	66	90	0	112	68	0	0	0	0	0	0
400	151	0	153	0	197	0	197	0	0	0	0	0	89	0	111	65	88	0	121	63	89	0	129	66	93	0	126	68	0	0	0	0	0	0
500	149	0	157	0	194	0	193	0	0	0	0	0	87	0	130	66	90	0	121	61	84	0	101	68	93	0	114	76	0	0	0	0	0	0
600	142	0	14	0	186	0	183	0	0	0	0	0	93	0	117	75	97	0	132	69	89	0	115	68	98	0	129	76	0	0	0	0	0	0
700	129	0	134	0	174	0	172	0	0	0	0	0	90	0	119	69	92	0	133	58	87	0	118	62	96	0	116	81	0	0	0	0	0	0
800	151	0	154	0	196	0	193	0	0	0	0	0	94	0	113	71	97	0	130	69	90	0	104	67	100	0	116	78	0	0	0	0	0	0
900	144	0	147	0	178	0	177	0	0	0	0	0	89	0	118	71	94	0	159	64	89	0	109	72	99	0	127	74	0	0	0	0	0	0
1000	155	0	156	0	209	0	200	0	0	0	0	0	93	0	137	66	95	0	127	53	91	0	126	69	101	0	141	60	0	0	0	0	0	0
1100	158	0	161	0	194	0	195	0	0	0	0	0	87	0	114	58	92	0	120	55	85	0	104	54	95	0	125	77	0	0	0	0	0	0
1200	168	0	172	0	221	0	217	0	0	0	0	0	90	0	119	68	95	0	126	57	90	0	111	60	100	0	127	83	0	0	0	0	0	0
1300	139	0	136	0	168	0	168	0	0	0	0	0	89	0	127	61	93	0	142	68	89	0	112	73	98	0	131	67	0	0	0	0	0	0
1400	127	0	134	0	161	0	160	0	0	0	0	0	85	0	114	62	90	0	125	61	87	0	116	61	96	0	127	80	0	0	0	0	0	0
1500	133	0	136	0	171	0	172	0	0	0	0	0	86	0	110	62	89	0	124	62	85	0	106	64	99	0	119	69	0	0	0	0	0	0
1600	109	0	114	0	134	0	135	0	0	0	0	0	89	0	115	56	87	0	139	53	85	0	111	64	99	0	127	75	0	0	0	0	0	0
1700	105	0	110	0	136	0	135	0	0	0	0	0	88	0	114	63	93	0	126	71	89	0	107	71	97	0	116	73	0	0	0	0	0	0
1800	102	0	104	0	147	0	143	0	0	0	0	0	95	0	127	74	100	0	132	71	92	0	119	69	101	0	119	83	0	0	0	0	0	0
1900	128	0	133	0	163	0	163	0	0	0	0	0	92	0	123	67	96	0	133	63	91	0	112	68	101	0	123	80	0	0	0	0	0	0
2000	110	0	110	0	141	0	140	0	0	0	0	0	91	0	124	62	96	0	133	68	91	0	122	65	102	0	134	66	0	0	0	0	0	0
2100	118	0	116	0	151	0	149	0	0	0	0	0	101	0	125	72	105	0	143	57	98	0	124	84	108	0	140	89	0	0	0	0	0	0
2200	121	0	124	0	161	0	158	0	0	0	0	0	95	0	125	75	100	0	135	78	92	0	115	68	101	0	121	77	0	0	0	0	0	0
2300	126	0	129	0	159	0	159	0	0	0	0	0	102	0	124	77	107	0	139	76	98	0	112	87	108	0	132	93	0	0	0	0	0	0
2400	133	0	132	0	174	0	170	0	0	0	0	0	100	0	121	74	105	0	143	71	95	0	119	74	105	0	124	92	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	321	0	323	0	315	0	315	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	320	0	320	0	311	0	311	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	313	0	313	0	306	0	306	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	310	0	310	0	302	0	302	0	0	0	0	0	-7	0	-7	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	306	0	306	0	297	0	297	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	302	0	302	0	293	0	293	0	0	0	0	0	-9	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	304	0	304	0	295	0	295	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	304	0	304	0	295	0	295	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	301	0	301	0	292	0	292	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1029	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	301	0	301	0	290	0	290	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1036	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	304	0	304	0	292	0	292	0	0	0	0	0	-12	0	-12	0	0	0	0	0	1032	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	315	0	315	0	301	0	301	0	0	0	0	0	-14	0	-14	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	323	0	323	0	310	0	310	0	0	0	0	0	-14	0	-14	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	330	0	330	0	319	0	317	0	0	0	0	0	-14	0	-14	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	334	0	336	0	323	0	321	0	0	0	0	0	-12	0	-12	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	343	0	343	0	330	0	330	0	0	0	0	0	-12	0	-12	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	332	0	332	0	323	0	323	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	321	0	321	0	313	0	313	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	313	0	315	0	306	0	306	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	310	0	311	0	302	0	302	0	0	0	0	0	-7	0	-9	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	304	0	304	0	295	0	295	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	295	0	297	0	286	0	286	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	290	0	290	0	283	0	283	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	286	0	286	0	277	0	277	0	0	0	0	0	-9	0	-9	0	0	0	0	0	991	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 SPD6	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
100	112	0	111	0	152	0	150	0	0	0	0	0	101	0	118	69	107	0	139	63	98	0	118	81	109	0	136	89	0	0	0	0	0	0
200	117	0	116	0	157	0	155	0	0	0	0	0	97	0	129	78	103	0	143	72	98	0	112	87	107	0	121	92	0	0	0	0	0	0
300	97	0	98	0	135	0	135	0	0	0	0	0	101	0	125	73	106	0	140	75	98	0	119	70	108	0	126	91	0	0	0	0	0	0
400	89	0	90	0	122	0	120	0	0	0	0	0	98	0	123	67	103	0	139	42	97	0	117	78	107	0	136	91	0	0	0	0	0	0
500	68	0	67	0	81	0	81	0	0	0	0	0	106	0	129	73	110	0	143	69	99	0	122	69	111	0	145	85	0	0	0	0	0	0
600	39	0	45	0	52	0	52	0	0	0	0	0	79	0	106	52	83	0	125	48	84	0	98	66	93	0	120	73	0	0	0	0	0	0
700	48	0	52	0	61	0	61	0	0	0	0	0	85	0	118	65	90	0	137	63	87	0	111	66	96	0	121	78	0	0	0	0	0	0
800	40	0	49	0	51	0	59	0	0	0	0	0	56	0	82	13	57	0	92	10	55	0	73	42	62	0	88	42	0	0	0	0	0	0
900	53	0	58	0	66	0	67	0	0	0	0	0	79	0	105	46	81	0	114	52	80	0	101	53	89	0	111	61	0	0	0	0	0	0
1000	40	0	43	0	46	0	48	0	0	0	0	0	76	0	114	48	80	0	120	48	76	0	101	57	88	0	126	60	0	0	0	0	0	0
1100	49	0	47	0	51	0	54	0	0	0	0	0	78	0	102	55	82	0	116	57	72	0	91	57	80	0	95	69	0	0	0	0	0	0
1200	46	0	48	0	53	0	54	0	0	0	0	0	82	0	114	56	85	0	113	58	80	0	108	57	91	0	132	60	0	0	0	0	0	0
1300	38	0	44	0	47	0	49	0	0	0	0	0	78	0	124	55	81	0	138	52	83	0	112	57	93	0	135	65	0	0	0	0	0	0
1400	33	0	37	0	36	0	38	0	0	0	0	0	76	0	100	45	80	0	113	34	80	0	105	62	89	0	128	66	0	0	0	0	0	0
1500	17	0	22	0	21	0	24	0	0	0	0	0	66	0	89	37	67	0	88	30	59	0	59	59	66	0	83	49	0	0	0	0	0	0
1600	29	0	31	0	47	0	47	0	0	0	0	0	359	3	57	282	356	0	52	280	3	0	27	328	6	0	38	320	0	0	0	0	0	0
1700	43	0	47	0	63	0	60	0	0	0	0	0	19	0	66	338	18	0	62	340	8	0	33	341	13	0	39	345	0	0	0	0	0	0
1800	40	0	45	0	59	0	57	0	0	0	0	0	25	0	54	330	22	0	58	283	9	0	32	345	13	0	43	348	0	0	0	0	0	0
1900	31	0	35	0	44	0	42	0	0	0	0	0	15	0	105	313	14	0	108	311	4	0	36	329	8	0	38	326	0	0	0	0	0	0
2000	36	0	40	0	47	0	47	0	0	0	0	0	20	0	83	338	18	0	78	304	5	0	40	330	10	0	45	342	0	0	0	0	0	0
2100	39	0	42	0	47	0	46	0	0	0	0	0	11	0	60	315	10	0	59	310	4	0	39	330	7	0	40	328	0	0	0	0	0	0
2200	63	0	66	0	96	0	91	0	0	0	0	0	348	0	21	313	347	0	29	303	357	0	17	331	5	0	48	337	0	0	0	0	0	0
2300	69	0	73	0	104	0	99	0	0	0	0	0	347	0	7	326	345	0	23	318	350	0	4	340	355	0	22	342	0	0	0	0	0	0
2400	53	0	57	0	84	0	82	0	0	0	0	0	338	0	10	305	337	0	13	299	342	0	351	335	345	0	354	340	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	283	0	284	0	275	0	275	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	283	0	283	0	274	0	274	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	283	0	283	0	274	0	274	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	281	0	283	0	274	0	272	0	0	0	0	0	-9	0	-9	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	279	0	281	0	270	0	270	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	279	0	279	0	270	0	270	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	279	0	279	0	270	0	270	0	0	0	0	0	-7	0	-9	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	279	0	279	0	272	0	272	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	283	0	284	0	275	0	275	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1029	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	290	0	292	0	281	0	281	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1036	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	295	0	295	0	284	0	283	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1032	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	301	0	302	0	290	0	290	0	0	0	0	0	-12	0	-12	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	308	0	306	0	295	0	295	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	308	0	308	0	299	0	299	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	313	0	313	0	304	0	304	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	306	0	306	0	297	0	297	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	299	0	301	0	293	0	293	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1029	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	297	0	297	0	290	0	290	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1036	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	295	0	295	0	288	0	288	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1032	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	292	0	292	0	284	0	284	0	0	0	0	0	-7	0	-7	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	290	0	290	0	284	0	284	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	292	0	292	0	283	0	283	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	293	0	293	0	284	0	284	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	295	0	297	0	286	0	288	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1031	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

DIGITAL GRAPHICS INCORPORATED - AEP COOK

METRORLOGICAL DATA FOR FEBRUARY 19, 1982

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	64	0	71	0	81	0	82	0	0	0	0	307	0	321	288	303	0	322	256	310	0	319	298	312	0	320	302	0	0	0	0	0	0
200	84	0	84	0	117	0	118	0	0	0	0	296	0	313	282	292	0	311	269	302	0	307	295	305	0	310	300	0	0	0	0	0	0
300	114	0	117	0	137	0	141	0	0	0	0	293	0	322	272	291	0	317	266	294	0	319	269	299	0	307	279	0	0	0	0	0	0
400	82	0	90	0	115	0	119	0	0	0	0	271	0	299	247	270	0	299	232	275	0	298	249	280	0	302	249	0	0	0	0	0	0
500	89	0	95	0	124	0	128	0	0	0	0	271	0	301	246	271	0	317	227	275	0	303	246	281	0	317	252	0	0	0	0	0	0
600	153	0	162	0	183	0	190	0	0	0	0	268	0	292	246	267	0	291	248	272	0	292	262	278	0	298	263	0	0	0	0	0	0
700	122	0	129	0	154	0	156	0	0	0	0	270	0	305	239	269	0	300	233	275	0	309	250	280	0	309	252	0	0	0	0	0	0
800	110	0	119	0	150	0	156	0	0	0	0	262	0	291	236	266	0	297	240	263	0	272	252	270	0	280	259	0	0	0	0	0	0
900	99	0	99	0	118	0	120	0	0	0	0	267	0	293	236	265	0	295	216	278	0	311	251	282	0	317	247	0	0	0	0	0	0
1000	102	0	111	0	129	0	132	0	0	0	0	271	0	299	242	269	0	299	243	277	0	308	250	283	0	319	259	0	0	0	0	0	0
1100	107	0	105	0	129	0	134	0	0	0	0	272	0	309	233	271	0	310	227	279	0	324	235	283	0	323	247	0	0	0	0	0	0
1200	96	0	107	0	132	0	134	0	0	0	0	262	0	281	243	269	0	286	239	265	0	284	258	272	0	288	262	0	0	0	0	0	0
1300	102	0	113	0	167	0	173	0	0	0	0	256	0	297	225	260	0	295	217	258	0	267	247	265	0	279	252	0	0	0	0	0	0
1400	92	0	99	0	160	0	169	0	0	0	0	255	0	296	230	258	0	312	222	257	0	271	245	263	0	273	249	0	0	0	0	0	0
1500	103	0	108	0	168	0	176	0	0	0	0	256	0	286	226	258	0	290	223	257	0	272	246	263	0	274	245	0	0	0	0	0	0
1600	102	0	112	0	150	0	159	0	0	0	0	260	0	278	236	269	0	285	229	259	0	267	233	267	0	279	254	0	0	0	0	0	0
1700	100	0	105	0	153	0	161	0	0	0	0	258	0	286	231	260	0	290	232	258	0	267	245	265	0	272	255	0	0	0	0	0	0
1800	91	0	96	0	143	0	149	0	0	0	0	256	0	278	229	260	0	294	223	256	0	264	240	263	0	270	246	0	0	0	0	0	0
1900	91	0	96	0	132	0	139	0	0	0	0	255	0	272	229	256	0	289	223	255	0	271	245	262	0	281	240	0	0	0	0	0	0
2000	73	0	78	0	105	0	110	0	0	0	0	250	0	274	232	254	0	284	221	249	0	259	242	256	0	266	246	0	0	0	0	0	0
2100	68	0	68	0	89	0	91	0	0	0	0	227	0	257	169	231	0	260	195	227	0	257	205	234	0	256	209	0	0	0	0	0	0
2200	67	0	63	0	93	0	89	0	0	0	0	226	0	289	181	229	0	267	167	213	0	263	181	222	0	256	189	0	0	0	0	0	0
2300	76	0	68	0	109	0	99	0	0	0	0	217	0	249	182	221	0	256	187	208	0	230	178	217	0	244	198	0	0	0	0	0	0
2400	88	0	84	0	133	0	131	0	0	0	0	225	0	277	182	229	0	277	181	220	0	246	195	228	0	250	203	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	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	301	0	301	0	293	0	293	0	0	0	0	-7	0	-7	0	0	0	0	0	1036	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	304	0	306	0	299	0	299	0	0	0	0	-7	0	-7	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0		
300	308	0	308	0	301	0	301	0	0	0	0	-7	0	-7	0	0	0	0	0	1032	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	311	0	311	0	304	0	304	0	0	0	0	-7	0	-7	0	0	0	0	0	1031	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	315	0	315	0	308	0	308	0	0	0	0	-7	0	-7	0	0	0	0	0	1036	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	313	0	313	0	308	0	308	0	0	0	0	-5	0	-5	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	310	0	311	0	302	0	302	0	0	0	0	-7	0	-7	0	0	0	0	0	1032	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	306	0	310	0	302	0	302	0	0	0	0	-7	0	-7	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	315	0	315	0	308	0	308	0	0	0	0	-7	0	-7	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	315	0	315	0	308	0	308	0	0	0	0	-7	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	317	0	317	0	310	0	310	0	0	0	0	-7	0	-7	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	315	0	317	0	308	0	308	0	0	0	0	-7	0	-7	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	315	0	317	0	308	0	308	0	0	0	0	-7	0	-7	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	315	0	317	0	306	0	306	0	0	0	0	-7	0	-9	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	315	0	315	0	306	0	306	0	0	0	0	-9	0	-10	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	315	0	315	0	306	0	306	0	0	0	0	-9	0	-9	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	315	0	317	0	308	0	308	0	0	0	0	-9	0	-9	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	315	0	315	0	308	0	308	0	0	0	0	-7	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	315	0	315	0	308	0	308	0	0	0	0	-7	0	-7	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	315	0	315	0	308	0	308	0	0	0	0	-7	0	-7	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	315	0	315	0	308	0	308	0	0	0	0	-5	0	-5	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	306	0	308	0	299	0	299	0	0	0	0	-7	0	-7	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	304	0	304	0	297	0	297	0	0	0	0	-7	0	-7	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	302	0	304	0	297	0	297	0	0	0	0	-7	0	-7	0	0	0	0	0	991	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

DIGITAL GRAPHICS INCORPORATED - AEP COOK METRORLOGICAL DATA FOR FEBRUARY 20, 1982 PAGE 51

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	77	0	66	0	119	0	102	0	0	0	0	0	207	0	256	149	212	0	259	139	197	0	222	161	207	0	239	163	0	0	0	0	0	0
200	71	0	71	0	132	0	119	0	0	0	0	0	167	0	212	117	173	0	232	116	179	0	218	153	186	0	232	153	0	0	0	0	0	0
300	91	0	92	0	167	0	149	0	0	0	0	0	171	0	225	119	174	0	238	110	175	0	213	149	187	0	219	159	0	0	0	0	0	0
400	89	0	83	0	166	0	137	0	0	0	0	0	177	0	268	128	177	0	222	108	189	0	211	166	194	0	226	174	0	0	0	0	0	0
500	83	0	73	0	172	0	141	0	0	0	0	0	185	0	227	118	189	0	249	121	188	0	205	161	199	0	218	172	0	0	0	0	0	0
600	117	0	109	0	192	0	198	0	0	0	0	0	229	0	259	196	232	0	266	194	226	0	246	199	233	0	255	206	0	0	0	0	0	0
700	170	0	172	0	275	0	287	0	0	0	0	0	239	0	256	217	242	0	269	215	238	0	262	218	243	0	258	229	0	0	0	0	0	0
800	180	0	186	0	271	0	283	0	0	0	0	0	244	0	264	223	249	0	285	217	244	0	257	227	248	0	258	237	0	0	0	0	0	0
900	161	0	161	0	263	0	273	0	0	0	0	0	251	0	270	229	255	0	280	218	253	0	263	248	258	0	266	253	0	0	0	0	0	0
1000	149	0	153	0	203	0	211	0	0	0	0	0	269	0	277	246	265	0	290	237	272	0	280	261	276	0	283	269	0	0	0	0	0	0
1100	117	0	119	0	169	0	178	0	0	0	0	0	283	0	329	253	282	0	317	250	291	0	316	255	294	0	316	250	0	0	0	0	0	0
1200	130	0	129	0	167	0	170	0	0	0	0	0	289	0	303	269	286	0	304	262	305	0	310	296	306	0	310	300	0	0	0	0	0	0
1300	122	0	121	0	153	0	156	0	0	0	0	0	293	0	315	279	290	0	316	268	301	0	307	284	303	0	309	287	0	0	0	0	0	0
1400	121	0	115	0	161	0	165	0	0	0	0	0	299	0	308	285	292	0	310	276	302	0	308	296	304	0	310	301	0	0	0	0	0	0
1500	83	0	83	0	111	0	112	0	0	0	0	0	289	0	304	268	288	0	318	269	302	0	313	274	303	0	314	279	0	0	0	0	0	0
1600	66	0	71	0	100	0	101	0	0	0	0	0	304	0	318	287	302	0	319	273	320	0	329	315	321	0	326	317	0	0	0	0	0	0
1700	46	0	49	0	57	0	58	0	0	0	0	0	285	0	308	257	282	0	309	252	297	0	315	272	299	0	314	269	0	0	0	0	0	0
1800	50	0	54	0	67	0	70	0	0	0	0	0	293	0	271	214	245	0	275	212	265	0	280	259	270	0	285	257	0	0	0	0	0	0
1900	76	0	79	0	108	0	112	0	0	0	0	0	238	0	261	222	240	0	267	205	250	0	258	236	255	0	265	237	0	0	0	0	0	0
2000	113	0	117	0	158	0	165	0	0	0	0	0	242	0	258	223	245	0	274	220	248	0	258	232	252	0	260	241	0	0	0	0	0	0
2100	117	0	122	0	172	0	179	0	0	0	0	0	250	0	265	229	253	0	279	229	262	0	272	252	268	0	276	260	0	0	0	0	0	0
2200	115	0	119	0	172	0	181	0	0	0	0	0	247	0	269	227	252	0	283	222	261	0	268	253	267	0	273	260	0	0	0	0	0	0
2300	100	0	104	0	146	0	149	0	0	0	0	0	260	0	285	241	261	0	279	232	274	0	285	262	278	0	292	265	0	0	0	0	0	0
2400	151	0	145	0	235	0	238	0	0	0	0	0	294	0	318	272	291	0	329	261	309	0	311	295	309	0	311	297	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	302	0	304	0	297	0	297	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	306	0	306	0	301	0	301	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	317	0	319	0	315	0	315	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	332	0	332	0	332	0	332	0	0	0	0	0	0	0	1	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	341	0	343	0	347	0	347	0	0	0	0	0	3	0	3	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	393	0	393	0	395	0	395	0	0	0	0	0	1	0	1	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	393	0	393	0	401	0	401	0	0	0	0	0	7	0	7	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	381	0	381	0	388	0	388	0	0	0	0	0	7	0	7	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	363	0	365	0	379	0	379	0	0	0	0	0	10	0	10	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	347	0	348	0	357	0	357	0	0	0	0	0	10	0	10	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	348	0	348	0	350	0	350	0	0	0	0	0	1	0	1	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	343	0	343	0	343	0	343	0	0	0	0	0	0	0	1	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	339	0	339	0	336	0	336	0	0	0	0	0	-3	0	-5	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	336	0	336	0	332	0	332	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	341	0	341	0	338	0	339	0	0	0	0	0	-1	0	-1	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	350	0	350	0	350	0	350	0	0	0	0	0	1	0	0	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	370	0	374	0	365	0	366	0	0	0	0	0	-5	0	-7	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	354	0	354	0	354	0	357	0	0	0	0	0	3	0	3	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	347	0	347	0	356	0	356	0	0	0	0	0	7	0	7	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	368	0	368	0	375	0	375	0	0	0	0	0	7	0	7	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	354	0	354	0	365	0	365	0	0	0	0	0	10	0	10	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	345	0	345	0	357	0	357	0	0	0	0	0	12	0	12	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	339	0	339	0	347	0	347	0	0	0	0	0	5	0	7	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	350	0	350	0	356	0	356	0	0	0	0	0	5	0	5	0	0	0	0	0	991	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 SPD6	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
100	169	0	169	0	261	0	269	0	0	0	0	0	309	0	317	292	301	0	323	277	312	0	321	308	313	0	321	303	0	0	0	0	0	0
200	130	0	131	0	226	0	227	0	0	0	0	0	315	0	341	296	312	0	356	265	326	0	342	319	328	0	337	317	0	0	0	0	0	0
300	139	0	140	0	235	0	232	0	0	0	0	0	319	0	341	286	314	0	345	266	329	0	339	322	330	0	336	314	0	0	0	0	0	0
400	121	0	123	0	226	0	227	0	0	0	0	0	323	0	11	292	321	0	18	270	333	0	3	307	335	0	347	317	0	0	0	0	0	0
500	124	0	126	0	226	0	223	0	0	0	0	0	329	0	343	298	324	0	11	274	334	0	358	318	336	0	353	323	0	0	0	0	0	0
600	123	0	124	0	212	0	209	0	0	0	0	0	331	0	356	300	331	0	6	284	337	0	345	330	339	0	346	325	0	0	0	0	0	0
700	133	0	133	0	218	0	212	0	0	0	0	0	345	0	17	320	343	0	23	290	349	0	9	326	353	0	19	332	0	0	0	0	0	0
800	128	0	127	0	201	0	197	0	0	0	0	0	346	0	9	309	344	0	30	301	350	0	16	329	356	0	24	337	0	0	0	0	0	0
900	136	0	137	0	217	0	214	0	0	0	0	0	346	0	16	306	345	0	11	295	347	0	8	329	350	0	22	327	0	0	0	0	0	0
1000	82	0	84	0	144	0	143	0	0	0	0	0	13	0	77	339	13	0	88	317	1	0	50	302	5	0	53	316	0	0	0	0	0	0
1100	92	0	96	0	159	0	155	0	0	0	0	0	19	0	52	327	14	0	67	288	1	0	44	346	4	0	54	325	0	0	0	0	0	0
1200	90	0	0	2	135	0	0	2	0	2	0	2	10	0	0	0	0	2	0	0	20	0	0	0	0	2	0	0	0	2	0	0	0	2
1300	125	0	0	2	160	0	0	2	0	2	0	2	345	0	0	0	0	2	0	0	10	0	0	0	0	2	0	0	0	2	0	0	0	2
1400	85	0	0	2	155	0	0	2	0	2	0	2	350	0	0	0	0	2	0	0	5	0	0	0	0	2	0	0	0	2	0	0	0	2
1500	80	0	0	2	140	0	0	2	0	2	0	2	5	0	0	0	0	2	0	0	15	0	0	0	0	2	0	0	0	2	0	0	0	2
1600	118	0	0	2	175	0	0	2	0	2	0	2	355	0	0	0	0	2	0	0	10	0	0	0	0	2	0	0	0	2	0	0	0	2
1700	125	0	0	2	170	0	0	2	0	2	0	2	345	0	0	0	0	2	0	0	5	0	0	0	0	2	0	0	0	2	0	0	0	2
1800	70	0	0	2	145	0	0	2	0	2	0	2	350	0	0	0	0	2	0	0	5	0	0	0	0	2	0	0	0	2	0	0	0	2
1900	85	0	0	2	140	0	0	2	0	2	0	2	345	0	0	0	0	2	0	0	2	0	0	0	0	2	0	0	0	2	0	0	0	2
2000	75	0	0	2	110	0	0	2	0	2	0	2	15	0	0	0	0	2	0	0	20	0	0	0	0	2	0	0	0	2	0	0	0	2
2100	78	0	0	2	105	0	0	2	0	2	0	2	15	0	0	0	0	2	0	0	22	0	0	0	0	2	0	0	0	2	0	0	0	2
2200	80	0	0	2	100	0	0	2	0	2	0	2	17	0	0	0	0	2	0	0	20	0	0	0	0	2	0	0	0	2	0	0	0	2
2300	90	0	0	2	85	0	0	2	0	2	0	2	10	0	0	0	0	2	0	0	15	0	0	0	0	2	0	0	0	2	0	0	0	2
2400	38	0	0	2	70	0	0	2	0	2	0	2	15	0	0	0	0	2	0	0	25	0	0	0	0	2	0	0	0	2	0	0	0	2

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 DEW30S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	345	0	345	0	352	0	352	0	0	0	0	0	7	0	7	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0
200	341	0	341	0	343	0	343	0	0	0	0	0	1	0	1	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0
300	339	0	339	0	339	0	339	0	0	0	0	0	0	0	0	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0
400	339	0	341	0	339	0	339	0	0	0	0	0	0	0	0	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0
500	338	0	338	0	336	0	336	0	0	0	0	0	1	0	1	0	0	0	0	0	1039	2	0	0	0	0	0	0	0	0	0	0	0	0
600	338	0	338	0	338	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0
700	338	0	338	0	334	0	334	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0
800	330	0	332	0	325	0	327	0	0	0	0	0	-5	0	-5	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0
900	327	0	329	0	320	0	320	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1034	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	329	0	329	0	320	0	320	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1027	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	336	0	336	0	325	0	325	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1002	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	329	0	320	2	320	2	320	2	0	2	0	2	-9	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
1300	321	0	320	2	320	2	320	2	0	2	0	2	-7	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
1400	320	0	320	2	320	2	320	2	0	2	0	2	-7	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
1500	320	0	320	2	320	2	320	2	0	2	0	2	-7	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
1600	317	0	320	2	320	2	320	2	0	2	0	2	-5	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
1700	313	0	320	2	320	2	320	2	0	2	0	2	-5	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
[illegible]	[illegible]		[illegible]		[illegible]		320	2	0	2	0	2	-7	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
1900	311	0	320	2	320	2	320	2	0	2	0	2	-5	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
2000	310	0	320	2	320	2	320	2	0	2	0	2	-3	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
2100	308	0	320	2	320	2	320	2	0	2	0	2	-3	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
2200	308	0	320	2	320	2	320	2	0	2	0	2	-5	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
2300	302	0	320	2	320	2	320	2	0	2	0	2	-3	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2
2400	301	0	320	2	320	2	320	2	0	2	0	2	-3	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2

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

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HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	30	0	0	2	60	0	0	2	0	2	0	2	12	0	0	0	0	2	0	0	22	0	0	0	0	2	0	0	0	2	0	0	0	2
200	22	0	0	2	45	0	0	2	0	2	0	2	330	0	0	0	0	2	0	0	5	0	0	0	0	2	0	0	0	2	0	0	0	2
300	15	0	0	2	20	0	0	2	0	2	0	2	300	0	0	0	0	2	0	0	340	0	0	0	0	2	0	0	0	2	0	0	0	2
400	10	0	0	2	23	0	0	2	0	2	0	2	310	0	0	0	0	2	0	0	335	0	0	0	0	2	0	0	0	2	0	0	0	2
500	6	0	0	2	10	0	0	2	0	2	0	2	20	0	0	0	0	2	0	0	340	0	0	0	0	2	0	0	0	2	0	0	0	2
600	20	0	0	2	25	0	0	2	0	2	0	2	250	0	0	0	0	2	0	0	270	0	0	0	0	2	0	0	0	2	0	0	0	2
700	18	0	0	2	30	0	0	2	0	2	0	2	220	0	0	0	0	2	0	0	240	0	0	0	0	2	0	0	0	2	0	0	0	2
800	21	0	0	2	32	0	0	2	0	2	0	2	235	0	0	0	0	2	0	0	230	0	0	0	0	2	0	0	0	2	0	0	0	2
900	39	0	43	0	48	0	50	0	0	0	0	0	249	0	285	220	252	0	289	220	242	0	269	189	251	0	268	228	0	0	0	0	0	0
1000	59	0	59	0	82	0	83	0	0	0	0	0	227	0	267	169	238	0	300	189	229	0	267	185	233	0	276	203	0	0	0	0	0	0
1100	78	0	83	0	93	0	96	0	0	0	0	0	243	0	276	206	247	0	286	198	233	0	250	199	239	0	260	208	0	0	0	0	0	0
1200	57	0	54	0	95	0	83	0	0	0	0	0	198	0	266	91	204	0	267	116	190	0	240	135	197	0	237	152	0	0	0	0	0	0
1300	59	0	60	0	92	0	82	0	0	0	0	0	172	0	267	99	175	0	256	97	177	0	233	142	186	0	259	198	0	0	0	0	0	0
1400	55	0	60	0	96	0	90	0	0	0	0	0	161	0	252	94	165	0	238	105	172	0	205	139	181	0	241	136	0	0	0	0	0	0
1500	53	0	52	0	103	0	98	0	0	0	0	0	174	0	266	90	178	0	265	105	173	0	265	132	182	0	220	150	0	0	0	0	0	0
1600	77	0	76	0	128	0	112	0	0	0	0	0	182	0	233	109	186	0	263	108	188	0	239	160	196	0	237	145	0	0	0	0	0	0
1700	78	0	77	0	141	0	123	0	0	0	0	0	180	0	230	107	190	0	261	121	181	0	219	157	190	0	220	144	0	0	0	0	0	0
1800	79	0	78	0	149	0	127	0	0	0	0	0	176	0	265	107	179	0	253	108	183	0	222	156	190	0	234	152	0	0	0	0	0	0
1900	69	0	66	0	144	0	121	0	0	0	0	0	182	0	253	131	191	0	268	128	185	0	213	154	195	0	228	170	0	0	0	0	0	0
2000	75	0	73	0	145	0	125	0	0	0	0	0	176	0	219	129	180	0	239	114	183	0	218	144	190	0	220	152	0	0	0	0	0	0
2100	88	0	91	0	174	0	143	0	0	0	0	0	176	0	248	132	178	0	264	98	182	0	207	166	190	0	211	172	0	0	0	0	0	0
2200	85	0	81	0	173	0	143	0	0	0	0	0	183	0	233	121	186	0	251	115	187	0	216	132	195	0	222	154	0	0	0	0	0	0
2300	90	0	78	0	159	0	135	0	0	0	0	0	202	0	236	156	205	0	253	139	199	0	225	168	207	0	231	175	0	0	0	0	0	0
2400	100	0	88	0	161	0	139	0	0	0	0	0	213	0	250	179	217	0	267	155	208	0	238	182	213	0	236	189	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	297	0	320	2	320	2	320	2	0	2	0	2	-3	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2		
200	290	0	320	2	320	2	320	2	0	2	0	2	-1	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2		
300	286	0	320	2	320	2	320	2	0	2	0	2	-3	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2		
400	290	0	320	2	320	2	320	2	0	2	0	2	-5	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2		
500	290	0	320	2	320	2	320	2	0	2	0	2	-3	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2		
600	293	0	320	2	320	2	320	2	0	2	0	2	-1	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2		
700	299	0	320	2	320	2	320	2	0	2	0	2	0	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2		
800	299	0	320	2	320	2	320	2	0	2	0	2	-3	0	0	2	0	2	0	2	320	2	0	2	0	2	0	2	0	2	0	2	0	2		
900	304	0	304	0	295	0	295	0	0	0	0	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	306	0	308	0	292	0	292	0	0	0	0	0	-14	0	-16	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	308	0	308	0	293	0	293	0	0	0	0	0	-14	0	-14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	336	0	338	0	304	0	306	0	0	0	0	0	-32	0	-34	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	348	0	350	0	311	0	313	0	0	0	0	0	-37	0	-39	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	350	0	352	0	317	0	317	0	0	0	0	0	-34	0	-36	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	363	0	365	0	323	0	323	0	0	0	0	0	-41	0	-41	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	348	0	350	0	321	0	321	0	0	0	0	0	-28	0	-28	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	339	0	339	0	320	0	320	0	0	0	0	0	-19	0	-19	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	332	0	332	0	321	0	321	0	0	0	0	0	-10	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	320	0	320	0	320	0	321	0	0	0	0	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	321	0	321	0	321	0	321	0	0	0	0	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	320	0	320	0	323	0	323	0	0	0	0	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	338	0	338	0	341	0	341	0	0	0	0	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	357	0	357	0	361	0	361	0	0	0	0	0	3	0	3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	365	0	365	0	366	0	366	0	0	0	0	0	1	0	1	0	0	0	0	0	320	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 SPD6	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
100	101	0	93	0	174	0	155	0	0	0	0	0	215	0	249	159	220	0	268	154	210	0	229	190	217	0	248	189	0	0	0	0	0	0
200	105	0	92	0	199	0	167	0	0	0	0	0	203	0	237	160	209	0	259	160	201	0	222	179	208	0	226	181	0	0	0	0	0	0
300	109	0	100	0	171	0	169	0	0	0	0	0	224	0	252	183	227	0	258	198	219	0	255	191	227	0	254	206	0	0	0	0	0	0
400	114	0	108	0	172	0	169	0	0	0	0	0	227	0	268	185	231	0	265	192	220	0	253	200	226	0	249	200	0	0	0	0	0	0
500	88	0	91	0	129	0	134	0	0	0	0	0	293	0	335	234	292	0	332	259	278	0	329	239	281	0	328	244	0	0	0	0	0	0
600	82	0	88	0	140	0	146	0	0	0	0	0	280	0	298	260	280	0	311	254	275	0	291	258	280	0	295	267	0	0	0	0	0	0
700	87	0	92	0	145	0	151	0	0	0	0	0	252	0	272	238	254	0	277	231	260	0	264	257	265	0	269	262	0	0	0	0	0	0
800	66	0	70	0	79	0	82	0	0	0	0	0	258	0	277	237	259	0	287	228	292	0	309	276	295	0	314	280	0	0	0	0	0	0
900	47	0	50	0	85	0	82	0	0	0	0	0	326	0	348	295	324	0	1	283	348	0	9	328	351	0	9	337	0	0	0	0	0	0
1000	87	0	90	0	112	0	113	0	0	0	0	0	31	0	52	2	29	0	70	354	26	0	55	359	31	0	69	8	0	0	0	0	0	0
1100	124	0	127	0	154	0	149	0	0	0	0	0	33	0	61	10	32	0	69	8	32	0	63	4	37	0	72	7	0	0	0	0	0	0
1200	121	0	124	0	147	0	149	0	0	0	0	0	40	0	65	13	39	0	66	2	39	0	59	17	45	0	68	20	0	0	0	0	0	0
1300	82	0	85	0	112	0	109	0	0	0	0	0	31	0	56	12	29	0	66	355	28	0	45	2	34	0	65	5	0	0	0	0	0	0
1400	97	0	98	0	113	0	109	0	0	0	0	0	31	0	52	12	31	0	63	4	28	0	70	358	33	0	77	4	0	0	0	0	0	0
1500	138	0	139	0	163	0	158	0	0	0	0	0	32	0	53	8	31	0	62	10	32	0	54	15	38	0	64	20	0	0	0	0	0	0
1600	71	0	81	0	89	0	94	0	0	0	0	0	58	0	94	21	56	0	86	19	55	0	88	26	62	0	101	34	0	0	0	0	0	0
1700	123	0	127	0	150	0	152	0	0	0	0	0	85	0	119	60	89	0	126	67	80	0	100	61	89	0	108	70	0	0	0	0	0	0
1800	111	0	111	0	148	0	147	0	0	0	0	0	87	0	114	64	90	0	119	67	84	0	107	66	93	0	113	75	0	0	0	0	0	0
1900	144	0	146	0	189	0	188	0	0	0	0	0	92	0	115	57	95	0	119	59	90	0	106	76	99	0	113	81	0	0	0	0	0	0
2000	124	0	127	0	160	0	158	0	0	0	0	0	85	0	117	69	88	0	125	63	84	0	106	60	93	0	116	74	0	0	0	0	0	0
2100	120	0	121	0	165	0	161	0	0	0	0	0	95	0	111	77	100	0	125	60	91	0	111	69	100	0	126	75	0	0	0	0	0	0
2200	195	0	194	0	258	0	253	0	0	0	0	0	96	0	114	79	99	0	126	67	92	0	114	78	101	0	126	81	0	0	0	0	0	0
2300	155	0	153	0	196	0	193	0	0	0	0	0	95	0	126	75	101	0	141	72	94	0	116	73	105	0	126	81	0	0	0	0	0	0
2400	112	0	123	0	139	0	143	0	0	0	0	0	74	0	94	56	77	0	108	35	72	0	90	50	81	0	98	61	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. TEM6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	383	0	384	0	384	0	389	0	0	0	0	0	1	0	1	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
200	377	0	377	0	383	0	381	0	0	0	0	0	5	0	5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
300	413	0	413	0	413	0	413	0	0	0	0	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
400	410	0	410	0	410	0	410	0	0	0	0	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
500	375	0	374	0	386	0	386	0	0	0	0	0	10	0	14	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
600	359	0	359	0	372	0	372	0	0	0	0	0	10	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	357	0	357	0	370	0	370	0	0	0	0	0	12	0	10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
800	356	0	357	0	375	0	375	0	0	0	0	0	18	0	18	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
900	356	0	357	0	357	0	357	0	0	0	0	0	0	0	0	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	354	0	354	0	348	0	347	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	334	0	336	0	330	0	330	0	0	0	0	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	341	0	341	0	336	0	336	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	343	0	343	0	336	0	336	0	0	0	0	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	341	0	341	0	336	0	336	0	0	0	0	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	330	0	330	0	323	0	323	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	359	0	359	0	350	0	350	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	357	0	357	0	348	0	348	0	0	0	0	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	354	0	356	0	348	0	348	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	352	0	352	0	345	0	345	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	343	0	343	0	336	0	336	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	336	0	336	0	330	0	330	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	330	0	330	0	323	0	323	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	313	0	313	0	308	0	308	0	0	0	0	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	293	0	295	0	288	0	288	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	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 SPD6	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
100	145	0	149	0	168	0	174	0	0	0	0	0	80	0	107	49	83	0	124	48	77	0	105	61	86	0	105	68	0	0	0	0	0	0
200	143	0	146	0	173	0	168	0	0	0	0	0	90	0	109	65	93	0	130	59	90	0	112	65	100	0	122	77	0	0	0	0	0	0
300	113	0	115	0	145	0	138	0	0	0	0	0	90	0	111	73	91	0	139	49	89	0	121	73	99	0	138	70	0	0	0	0	0	0
400	117	0	123	0	140	0	138	0	0	0	0	0	90	0	118	51	93	0	132	59	85	0	112	47	96	0	126	64	0	0	0	0	0	0
500	96	0	103	0	100	0	112	0	0	0	0	0	78	0	106	57	81	0	119	48	70	0	99	50	79	0	115	52	0	0	0	0	0	0
600	69	0	73	0	80	0	88	0	0	0	0	0	79	0	110	47	80	0	115	36	70	0	99	50	79	0	106	54	0	0	0	0	0	0
700	75	0	80	0	88	0	5	0	0	0	0	0	77	0	103	52	80	0	112	48	71	0	90	48	81	0	101	47	0	0	0	0	0	0
800	129	0	119	0	160	0	148	0	0	0	0	0	107	0	127	90	112	0	146	86	102	0	127	79	116	0	140	87	0	0	0	0	0	0
900	62	0	62	0	79	0	74	0	0	0	0	0	106	0	130	61	108	0	144	59	99	0	122	73	108	0	132	81	0	0	0	0	0	0
1000	45	0	47	0	54	0	50	0	0	0	0	0	100	0	143	58	100	0	142	37	90	0	112	67	99	0	119	68	0	0	0	0	0	0
1100	38	0	40	0	45	0	42	0	0	0	0	0	31	0	66	359	32	0	70	356	30	0	50	10	32	0	54	13	0	0	0	0	0	0
1200	37	0	41	0	47	0	44	0	0	0	0	0	39	0	90	5	36	0	68	356	32	0	53	4	34	0	53	12	0	0	0	0	0	0
1300	51	0	53	0	59	0	59	0	0	0	0	0	43	0	91	19	41	0	93	8	39	0	84	12	44	0	81	20	0	0	0	0	0	0
1400	40	0	47	0	47	0	52	0	0	0	0	0	53	0	89	12	53	0	94	12	54	0	84	32	60	0	78	42	0	0	0	0	0	0
1500	26	0	34	0	32	0	31	0	0	0	0	0	61	3	131	20	57	0	142	27	59	0	81	28	61	0	89	39	0	0	0	0	0	0
1600	34	0	38	0	42	0	40	0	0	0	0	0	13	0	169	279	13	0	52	277	12	0	62	319	16	0	71	332	0	0	0	0	0	0
1700	53	0	54	0	64	0	58	0	0	0	0	0	23	0	61	319	21	0	57	313	16	0	38	337	20	0	42	348	0	0	0	0	0	0
1800	55	0	56	0	67	0	62	0	0	0	0	0	33	0	55	7	32	0	59	7	31	0	67	8	37	0	73	15	0	0	0	0	0	0
1900	44	0	45	0	60	0	54	0	0	0	0	0	32	0	57	10	30	0	62	7	32	0	53	17	36	0	57	15	0	0	0	0	0	0
2000	38	0	46	0	49	0	52	0	0	0	0	0	55	0	94	18	53	0	104	14	46	0	64	31	52	0	75	33	0	0	0	0	0	0
2100	49	0	58	0	59	0	65	0	0	0	0	0	57	0	82	27	58	0	96	25	54	0	70	31	62	0	82	31	0	0	0	0	0	0
2200	42	0	50	0	58	0	63	0	0	0	0	0	58	0	91	25	56	0	109	22	51	0	76	36	59	0	89	43	0	0	0	0	0	0
2300	65	0	68	0	76	0	78	0	0	0	0	0	80	0	108	46	80	0	116	36	76	0	98	50	84	0	112	55	0	0	0	0	0	0
2400	52	0	55	0	57	0	59	0	0	0	0	0	82	0	106	56	83	0	120	59	73	0	95	54	80	0	99	61	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 DEW3OS	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	266	0	266	0	257	0	257	0	0	0	0	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	259	0	259	0	250	0	252	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	248	0	248	0	241	0	241	0	0	0	0	0	-7	0	-7	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	250	0	252	0	243	0	243	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	250	0	250	0	243	0	243	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	250	0	250	0	241	0	239	0	0	0	0	0	-9	0	-10	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	241	0	241	0	234	0	234	0	0	0	0	0	-9	0	-9	0	0	0	0	0	426	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	230	0	230	0	223	0	223	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	232	0	232	0	223	0	225	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	229	0	229	0	221	0	221	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	229	0	229	0	221	0	221	0	0	0	0	0	-7	0	-7	0	0	0	0	0	426	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	230	0	232	0	225	0	225	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1018	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	234	0	234	0	225	0	227	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1036	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	238	0	238	0	229	0	229	0	0	0	0	0	-9	0	-9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	250	0	250	0	241	0	239	0	0	0	0	0	-10	0	-10	0	0	0	0	0	426	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	247	0	248	0	238	0	238	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1018	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	247	0	247	0	239	0	239	0	0	0	0	0	-9	0	-7	0	0	0	0	0	1036	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	232	0	234	0	221	0	221	0	0	0	0	0	-12	0	-10	0	0	0	0	0	1027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	227	0	227	0	216	0	216	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	220	0	221	0	212	0	211	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	216	0	216	0	207	0	207	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	209	0	211	0	202	0	202	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	207	0	207	0	200	0	200	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	202	0	202	0	196	0	196	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1014	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	31	0	39	0	45	0	49	0	0	0	0	0	54	0	83	36	53	0	92	25	50	0	69	36	55	0	76	42	0	0	0	0	0	0
200	41	0	48	0	60	0	64	0	0	0	0	0	53	0	76	33	52	0	84	14	47	0	67	28	53	0	84	31	0	0	0	0	0	0
300	51	0	53	0	66	0	68	0	0	0	0	0	88	0	120	60	89	0	131	49	77	0	100	50	85	0	109	60	0	0	0	0	0	0
400	56	0	58	0	67	0	68	0	0	0	0	0	85	0	109	61	86	0	122	59	77	0	105	56	85	0	105	70	0	0	0	0	0	0
500	35	0	44	0	49	0	53	0	0	0	0	0	62	0	85	39	63	0	97	33	55	0	69	42	62	0	81	49	0	0	0	0	0	0
600	38	0	46	0	57	0	62	0	0	0	0	0	53	0	70	31	52	0	77	25	51	0	67	35	58	0	73	42	0	0	0	0	0	0
700	36	0	42	0	50	0	56	0	0	0	0	0	68	0	97	43	67	0	97	41	66	0	78	53	72	0	88	61	0	0	0	0	0	0
800	42	0	49	0	53	0	61	0	0	0	0	0	51	0	75	33	50	0	80	25	48	0	55	42	54	0	64	49	0	0	0	0	0	0
900	42	0	47	0	43	0	48	0	0	0	0	0	73	0	93	50	73	0	104	49	63	0	77	45	68	0	81	56	0	0	0	0	0	0
1000	38	0	41	0	41	0	40	0	0	0	0	0	92	0	120	65	99	0	143	56	88	0	115	67	95	0	129	78	0	0	0	0	0	0
1100	55	0	57	0	69	0	65	0	0	0	0	0	27	0	75	341	25	0	81	340	19	0	53	340	26	0	59	356	0	0	0	0	0	0
1200	63	0	64	0	72	0	65	0	0	0	0	0	19	0	69	318	18	0	74	329	12	0	50	319	17	0	63	328	0	0	0	0	0	0
1300	81	0	79	0	88	0	79	0	0	0	0	0	32	0	94	2	29	0	107	340	27	0	60	346	33	0	62	346	0	0	0	0	0	0
1400	92	0	91	0	107	0	95	0	0	0	0	0	20	0	95	341	19	0	74	332	14	0	39	336	19	0	46	342	0	0	0	0	0	0
1500	86	0	86	0	101	0	89	0	0	0	0	0	26	0	57	347	23	0	60	346	18	0	45	337	23	0	57	345	0	0	0	0	0	0
1600	72	0	71	0	90	0	79	0	0	0	0	0	14	0	99	297	15	0	68	306	12	0	69	331	17	0	99	339	0	0	0	0	0	0
1700	76	0	76	0	82	0	71	0	0	0	0	0	35	0	71	9	35	0	86	356	26	0	53	334	30	0	61	342	0	0	0	0	0	0
1800	57	0	60	0	65	0	60	0	0	0	0	0	46	0	97	22	47	0	97	13	44	0	79	17	50	0	88	19	0	0	0	0	0	0
1900	25	0	30	0	38	0	39	0	0	0	0	0	67	3	103	91	68	3	104	36	60	0	73	42	67	0	89	45	0	0	0	0	0	0
2000	42	0	43	0	48	0	43	0	0	0	0	0	85	0	92	79	88	0	97	81	78	0	78	77	84	0	88	81	0	0	0	0	0	0
2100	38	0	39	0	43	0	37	0	0	0	0	0	99	0	107	94	104	0	114	97	83	0	84	81	92	0	94	90	0	0	0	0	0	0
2200	23	0	26	0	25	0	23	0	0	0	0	0	113	0	127	104	120	0	132	112	92	0	93	92	102	0	102	102	0	0	0	0	0	0
2300	34	0	37	0	27	0	29	0	0	0	0	0	146	0	151	140	152	0	159	145	112	0	112	111	133	0	133	129	0	0	0	0	0	0
2400	48	0	51	0	38	0	34	0	0	0	0	0	161	0	175	291	166	0	205	152	137	0	151	126	158	0	166	152	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	193	0	193	0	185	0	187	0	0	0	0	0	-7	0	-7	0	0	0	0	0	1005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	189	0	189	0	182	0	182	0	0	0	0	0	-5	0	-5	0	0	0	0	0	993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	191	0	191	0	187	0	187	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	184	0	185	0	176	0	176	0	0	0	0	0	-7	0	-7	0	0	0	0	0	984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	171	0	173	0	169	0	169	0	0	0	0	0	-9	0	-9	0	0	0	0	0	966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	162	0	162	0	158	0	158	0	0	0	0	0	-3	0	-3	0	0	0	0	0	957	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	149	0	151	0	149	0	149	0	0	0	0	0	0	0	0	0	0	0	0	0	941	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	148	0	148	0	142	0	142	0	0	0	0	0	-5	0	-5	0	0	0	0	0	950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	166	0	167	0	162	0	162	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	196	0	196	0	182	0	182	0	0	0	0	0	-14	0	-16	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	202	0	202	0	196	0	196	0	0	0	0	0	-5	0	-5	0	0	0	0	0	951	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	205	0	207	0	205	0	205	0	0	0	0	0	1	0	0	0	0	0	0	0	960	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	211	0	212	0	212	0	212	0	0	0	0	0	1	0	1	0	0	0	0	0	1023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	220	0	220	0	218	0	218	0	0	0	0	0	-3	0	-3	0	0	0	0	0	957	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	220	0	221	0	216	0	216	0	0	0	0	0	-5	0	-5	0	0	0	0	0	941	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	225	0	225	0	216	0	216	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	221	0	221	0	216	0	216	0	0	0	0	0	-7	0	-5	0	0	0	0	0	1023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	212	0	214	0	203	0	203	0	0	0	0	0	-10	0	-10	0	0	0	0	0	1018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	198	0	198	0	191	0	191	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	198	0	200	0	200	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	196	0	198	0	200	0	200	0	0	0	0	0	1	0	1	0	0	0	0	0	995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	194	0	194	0	193	0	193	0	0	0	0	0	1	0	1	0	0	0	0	0	996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	189	0	189	0	193	0	193	0	0	0	0	0	3	0	3	0	0	0	0	0	991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	184	0	184	0	194	0	194	0	0	0	0	0	10	0	12	0	0	0	0	0	986	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	46	0	49	0	31	0	29	0	0	0	0	0	169	0	182	163	175	0	187	165	152	0	152	152	171	0	174	162	0	0	0	0	0	0
200	45	0	48	0	33	0	23	0	0	0	0	0	175	0	181	167	182	0	193	171	179	0	179	179	193	0	194	190	0	0	0	0	0	0
300	55	0	59	0	41	0	27	0	0	0	0	0	174	0	185	169	180	0	195	173	179	0	179	179	180	0	231	177	0	0	0	0	0	0
400	70	0	65	0	80	0	49	0	0	0	0	0	187	0	218	165	191	0	215	154	192	0	193	190	201	0	209	197	0	0	0	0	0	0
500	65	0	65	0	76	0	56	0	0	0	0	0	183	0	194	173	184	0	229	154	198	0	202	195	207	0	213	203	0	0	0		0	0
600	70	0	61	0	66	0	44	0	0	0	0	0	188	0	201	171	192	0	211	167	209	0	214	202	219	0	227	210	0	0	0	0	0	0
700	76	0	61	0	64	0	50	0	0	0	0	0	190	0	207	167	196	0	211	177	214	0	224	202	229	0	234	206	0	0	0	0	0	0
800	64	0	56	0	88	0	81	0	0	0	0	0	190	0	210	157	196	0	236	163	221	0	229	210	231	0	238	217	0	0	0	0	0	0
900	46	0	40	0	98	0	91	0	0	0	0	0	191	0	220	158	198	0	235	144	224	0	229	219	233	0	238	227	0	0	0	0	0	0
1000	33	0	33	0	46	0	36	0	0	0	0	0	228	0	314	181	235	0	297	187	209	0	241	169	215	0	252	167	0	0	0	0	0	0
1100	52	0	54	0	63	0	59	0	0	0	0	0	246	0	305	206	248	0	297	198	239	0	270	205	247	0	271	213	0	0	0	0	0	0
1200	58	0	63	0	63	0	59	0	0	0	0	0	259	0	301	223	262	0	311	222	240	0	275	203	247	0	269	216	0	0	0	0	0	0
1300	61	0	66	0	69	0	59	0	0	0	0	0	259	0	281	237	262	0	284	234	262	0	292	239	269	0	291	245	0	0	0	0	0	0
1400	47	0	49	0	67	0	62	0	0	0	0	0	285	0	335	231	284	0	346	228	290	0	317	224	294	0	324	243	0	0	0	0	0	0
1500	56	0	58	0	62	0	57	0	0	0	0	0	298	0	317	260	296	0	327	261	295	0	320	255	299	0	325	259	0	0	0	0	0	0
1600	46	0	48	0	62	0	56	0	0	0	0	0	303	0	335	269	299	0	358	234	312	0	338	295	315	0	345	300	0	0	0	0	0	0
1700	28	0	29	0	38	0	38	0	0	0	0	0	281	0	351	190	276	3	340	194	296	0	332	234	300	0	337	243	0	0	0	0	0	0
1800	8	0	13	0	17	0	15	0	0	0	0	0	80	0	132	9	79	3	139	4	217	5	217	217	146	5	180	93	0	0	0	0	0	0
1900	42	0	47	0	71	0	65	0	0	0	0	0	144	0	159	130	149	0	172	126	150	0	156	148	160	0	168	158	0	0	0	0	0	0
2000	51	0	49	0	101	0	82	0	0	0	0	0	153	0	198	126	159	0	199	120	171	0	177	162	181	0	197	171	0	0	0	0	0	0
2100	52	0	57	0	114	0	80	0	0	0	0	0	172	0	218	139	176	0	224	137	179	0	182	176	188	0	192	186	0	0	0	0	0	0
2200	55	0	55	0	113	0	89	0	0	0	0	0	160	0	192	133	161	0	205	122	177	0	188	164	187	0	206	178	0	0	0	0	0	0
2300	60	0	64	0	131	0	107	0	0	0	0	0	164	0	190	131	168	0	212	108	180	0	185	175	189	0	193	183	0	0	0	0	0	0
2400	56	0	61	0	120	0	98	0	0	0	0	0	143	0	156	125	150	0	183	132	178	0	181	175	187	0	189	185	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	178	0	180	0	193	0	191	0	0	0	0	0	12	0	12	0	0	0	0	0	982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	178	0	180	0	193	0	193	0	0	0	0	0	16	0	14	0	0	0	0	0	989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	171	0	171	0	187	0	187	0	0	0	0	0	18	0	18	0	0	0	0	0	973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	151	0	151	0	191	0	191	0	0	0	0	0	37	0	39	0	0	0	0	0	957	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	148	0	148	0	189	0	189	0	0	0	0	0	41	0	43	0	0	0	0	0	948	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	146	0	146	0	189	0	189	0	0	0	0	0	41	0	43	0	0	0	0	0	944	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	148	0	148	0	189	0	189	0	0	0	0	0	39	0	41	0	0	0	0	0	939	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	151	0	151	0	194	0	194	0	0	0	0	0	43	0	43	0	0	0	0	0	951	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	185	0	187	0	202	0	202	0	0	0	0	0	18	0	16	0	0	0	0	0	1031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	238	0	239	0	214	0	214	0	0	0	0	0	-23	0	-27	0	0	0	0	0	996	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	247	0	250	0	236	0	236	0	0	0	0	0	-12	0	-14	0	0	0	0	0	937	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	252	0	254	0	245	0	245	0	0	0	0	0	-9	0	-9	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	261	0	263	0	317	0	274	0	0	0	0	0	10	0	10	0	0	0	0	0	998	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	272	0	275	0	311	0	254	0	0	0	0	0	-19	0	-19	0	0	0	0	0	944	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	284	0	290	0	356	0	265	0	0	0	0	0	-25	0	-25	0	0	0	0	0	939	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	283	0	284	0	363	0	265	0	0	0	0	0	-19	0	-21	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	277	0	279	0	350	0	259	0	0	0	0	0	-19	0	-19	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	263	0	263	0	323	0	259	0	0	0	0	0	-3	0	-1	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	248	0	248	0	275	0	250	0	0	0	0	0	1	0	1	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	238	0	238	0	261	0	247	0	0	0	0	0	10	0	10	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	234	0	234	0	265	0	252	0	0	0	0	0	19	0	19	0	0	0	0	0	991	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	223	0	221	0	265	0	236	0	0	0	0	0	12	0	14	0	0	0	0	0	1031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	214	0	214	0	288	0	239	0	0	0	0	0	25	0	27	0	0	0	0	0	1018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	196	0	194	0	308	0	238	0	0	0	0	0	41	0	41	0	0	0	0	0	1004	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	64	0	66	0	128	0	102	0	0	0	0	0	147	0	171	127	153	0	176	132	179	0	182	175	187	0	189	185	0	0	0	0	0	0
200	53	0	58	0	126	0	106	0	0	0	0	0	157	0	183	136	165	0	210	137	179	0	183	173	188	0	192	182	0	0	0	0	0	0
300	68	0	70	0	134	0	105	0	0	0	0	0	160	0	178	130	169	0	187	132	178	0	182	176	187	0	189	184	0	0	0	0	0	0
400	55	0	58	0	91	0	93	0	0	0	0	0	106	0	113	96	113	0	120	98	161	0	168	159	171	0	178	165	0	0	0	0	0	0
500	67	0	70	0	78	0	80	0	0	0	0	0	107	0	110	104	115	0	116	109	142	0	155	132	153	0	166	144	0	0	0	0	0	0
600	75	0	75	0	70	0	71	0	0	0	0	0	134	0	137	129	141	0	144	132	140	0	144	135	151	0	155	146	0	0	0	0	0	0
700	67	0	71	0	63	0	68	0	0	0	0	0	132	0	140	127	140	0	146	135	116	0	117	114	128	0	130	125	0	0	0	0	0	0
800	68	0	70	0	89	0	84	0	0	0	0	0	127	0	134	118	135	0	143	125	116	0	117	114	127	0	130	125	0	0	0	0	0	0
900	43	0	45	0	92	0	94	0	0	0	0	0	100	0	113	80	109	0	132	89	121	0	123	117	131	0	135	128	0	0	0	0	0	0
1000	59	0	61	0	81	0	89	0	0	0	0	0	128	0	153	110	136	0	168	120	127	0	141	113	139	0	155	121	0	0	0	0	0	0
1100	69	0	70	0	75	0	75	0	0	0	0	0	106	0	128	72	114	0	153	69	100	0	125	63	111	0	138	87	0	0	0	0	0	0
1200	80	0	80	0	93	0	93	0	0	0	0	0	96	0	124	63	101	0	153	71	96	0	128	64	106	0	138	68	0	0	0	0	0	0
1300	77	0	81	0	88	0	91	0	0	0	0	0	91	0	130	53	99	0	139	42	87	0	130	55	97	0	143	69	0	0	0	0	0	0
1400	63	0	71	0	73	0	77	0	0	0	0	0	79	0	134	55	83	0	125	25	85	0	138	45	92	0	141	19	0	0	0	0	0	0
1500	62	0	68	0	66	0	70	0	0	0	0	0	81	0	127	46	87	0	139	49	83	0	117	49	94	0	147	52	0	0	0	0	0	0
1600	54	0	61	0	63	0	64	0	0	0	0	0	74	0	93	48	78	0	102	49	79	0	120	43	90	0	135	59	0	0	0	0	0	0
1700	86	0	90	0	90	0	87	0	0	0	0	0	17	0	40	349	15	0	51	349	17	0	35	351	22	0	42	331	0	0	0	0	0	0
1800	64	0	65	0	75	0	73	0	0	0	0	0	29	0	45	11	29	0	51	7	27	0	41	8	32	0	49	9	0	0	0	0	0	0
1900	61	0	65	0	86	0	99	0	0	0	0	0	43	0	61	28	43	0	65	23	45	0	52	31	52	0	60	32	0	0	0	0	0	0
2000	70	0	74	0	111	0	109	0	0	0	0	0	44	0	57	32	44	0	70	21	43	0	49	39	48	0	56	39	0	0	0	0	0	0
2100	60	0	69	0	97	0	106	0	0	0	0	0	50	0	68	32	50	0	72	27	51	0	56	46	61	0	67	54	0	0	0	0	0	0
2200	55	0	66	0	99	0	109	0	0	0	0	0	65	0	70	60	67	0	74	59	72	0	78	66	80	0	87	74	0	0	0	0	0	0
2300	62	0	63	0	105	0	99	0	0	0	0	0	78	0	84	72	81	0	86	74	88	0	90	87	98	0	100	95	0	0	0	0	0	0
2400	70	0	70	0	106	0	102	0	0	0	0	0	81	0	85	75	84	0	92	77	86	0	88	83	95	0	98	92	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	189	0	189	0	301	0	236	0	0	0	0	0	46	0	46	0	0	0	0	0	989	0	0	0	0	0	0	0	0	0	0	0	0	0		
200	187	0	187	0	297	0	227	0	0	0	0	0	39	0	41	0	0	0	0	0	989	0	0	0	0	0	0	0	0	0	0	0	0	0		
300	185	0	187	0	308	0	236	0	0	0	0	0	50	0	50	0	0	0	0	0	987	0	0	0	0	0	0	0	0	0	0	0	0	0		
400	167	0	167	0	315	0	230	0	0	0	0	0	63	0	63	0	0	0	0	0	966	0	0	0	0	0	0	0	0	0	0	0	0	0		
500	155	0	153	0	304	0	227	0	0	0	0	0	72	0	73	0	0	0	0	0	941	0	0	0	0	0	0	0	0	0	0	0	0	0		
600	169	0	171	0	302	0	239	0	0	0	0	0	72	0	70	0	0	0	0	0	948	0	0	0	0	0	0	0	0	0	0	0	0	0		
700	171	0	171	0	311	0	245	0	0	0	0	0	73	0	73	0	0	0	0	0	955	0	0	0	0	0	0	0	0	0	0	0	0	0		
800	169	0	171	0	339	0	243	0	0	0	0	0	73	0	73	0	0	0	0	0	971	0	0	0	0	0	0	0	0	0	0	0	0	0		
900	176	0	176	0	274	0	230	0	0	0	0	0	54	0	54	0	0	0	0	0	1016	0	0	0	0	0	0	0	0	0	0	0	0	0		
1000	236	0	238	0	257	0	232	0	0	0	0	0	-3	0	-5	0	0	0	0	0	948	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	265	0	266	0	279	0	257	0	0	0	0	0	-9	0	-9	0	0	0	0	0	955	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	290	0	292	0	310	0	283	0	0	0	0	0	-7	0	-9	0	0	0	0	0	971	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	311	0	311	0	348	0	299	0	0	0	0	0	-12	0	-12	0	0	0	0	0	1016	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	320	0	320	0	375	0	310	0	0	0	0	0	-9	0	-10	0	0	0	0	0	948	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	329	0	327	0	406	0	319	0	0	0	0	0	-10	0	-9	0	0	0	0	0	955	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	330	0	329	0	406	0	320	0	0	0	0	0	-10	0	-9	0	0	0	0	0	971	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	306	0	304	0	413	0	304	0	0	0	0	0	1	0	0	0	0	0	0	0	1016	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	299	0	299	0	361	0	293	0	0	0	0	0	-7	0	-5	0	0	0	0	0	948	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	281	0	283	0	306	0	272	0	0	0	0	0	-9	0	-9	0	0	0	0	0	955	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	274	0	275	0	310	0	268	0	0	0	0	0	-5	0	-7	0	0	0	0	0	971	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	268	0	268	0	323	0	270	0	0	0	0	0	1	0	1	0	0	0	0	0	1016	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	259	0	259	0	348	0	281	0	0	0	0	0	19	0	19	0	0	0	0	0	948	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	248	0	248	0	363	0	281	0	0	0	0	0	32	0	32	0	0	0	0	0	955	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	241	0	241	0	329	0	274	0	0	0	0	0	32	0	32	0	0	0	0	0	971	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 SPD6	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
100	78	0	78	0	133	0	126	0	0	0	0	0	81	0	87	73	83	0	91	73	87	0	90	89	96	0	99	95	0	0	0	0	0	0
200	72	0	74	0	123	0	124	0	0	0	0	0	107	0	110	104	113	0	116	108	112	0	113	107	123	0	125	120	0	0	0	0	0	0
300	71	0	74	0	122	0	125	0	0	0	0	0	116	0	128	107	122	0	134	109	117	0	121	111	128	0	133	122	0	0	0	0	0	0
400	72	0	74	0	97	0	97	0	0	0	0	0	95	0	102	85	100	0	110	86	104	0	111	100	119	0	122	109	0	0	0	0	0	0
500	75	0	77	0	114	0	114	0	0	0	0	0	94	0	103	84	98	0	119	79	106	0	110	98	116	0	121	108	0	0	0	0	0	0
600	76	0	75	0	129	0	130	0	0	0	0	0	84	0	92	78	88	0	101	78	103	0	105	98	114	0	116	109	0	0	0	0	0	0
700	88	0	90	0	159	0	158	0	0	0	0	0	95	0	103	85	97	0	112	84	109	0	107	101	115	0	117	111	0	0	0	0	0	0
800	93	0	93	0	176	0	178	0	0	0	0	0	103	0	116	92	107	0	128	93	111	0	113	110	122	0	125	121	0	0	0	0	0	0
900	119	0	116	0	165	0	166	0	0	0	0	0	107	0	120	88	113	0	143	71	110	0	118	96	120	0	128	105	0	0	0	0	0	0
1000	132	0	138	0	167	0	172	0	0	0	0	0	125	0	141	109	132	0	152	103	129	0	151	112	142	0	162	122	0	0	0	0	0	0
1100	131	0	134	0	152	0	157	0	0	0	0	0	123	0	150	105	130	0	161	97	128	0	144	114	139	0	156	119	0	0	0	0	0	0
1200	131	0	133	0	151	0	153	0	0	0	0	0	122	0	143	95	131	0	159	108	127	0	155	113	139	0	160	126	0	0	0	0	0	0
1300	92	0	98	0	123	0	126	0	0	0	0	0	128	0	149	102	137	0	168	109	134	0	154	110	145	0	163	122	0	0	0	0	0	0
1400	112	0	117	0	135	0	139	0	0	0	0	0	124	0	139	106	133	0	146	116	132	0	151	109	143	0	165	125	0	0	0	0	0	0
1500	107	0	115	0	151	0	155	0	0	0	0	0	135	0	159	113	143	0	169	109	141	0	156	118	153	0	165	131	0	0	0	0	0	0
1600	105	0	119	0	146	0	153	0	0	0	0	0	132	0	160	112	141	0	176	122	141	0	160	127	151	0	166	133	0	0	0	0	0	0
1700	83	0	92	0	132	0	137	0	0	0	0	0	139	0	163	123	148	0	175	120	146	0	162	132	157	0	177	146	0	0	0	0	0	0
1800	44	0	50	0	85	0	86	0	0	0	0	0	149	0	212	114	153	0	190	109	157	0	182	128	168	0	190	139	0	0	0	0	0	0
1900	78	0	83	0	154	0	157	0	0	0	0	0	147	0	172	121	153	0	212	129	159	0	179	149	170	0	180	155	0	0	0	0	0	0
2000	104	0	113	0	183	0	187	0	0	0	0	0	146	0	173	125	154	0	188	124	158	0	182	143	166	0	189	149	0	0	0	0	0	0
2100	103	0	103	0	174	0	172	0	0	0	0	0	153	0	186	127	159	0	194	104	163	0	180	148	173	0	187	152	0	0	0	0	0	0
2200	83	0	88	0	171	0	158	0	0	0	0	0	161	0	198	106	166	0	222	114	173	0	205	151	182	0	214	162	0	0	0	0	0	0
2300	93	0	93	0	162	0	139	0	0	0	0	0	177	0	235	129	183	0	240	133	182	0	211	155	190	0	218	162	0	0	0	0	0	0
2400	85	0	83	0	170	0	147	0	0	0	0	0	177	0	227	121	182	0	245	119	183	0	202	154	191	0	216	175	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	232	0	232	0	330	0	272	0	0	0	0	0	37	0	37	0	0	0	0	0	1027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	225	0	225	0	299	0	250	0	0	0	0	0	25	0	27	0	0	0	0	0	1031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	225	0	225	0	301	0	257	0	0	0	0	0	32	0	32	0	0	0	0	0	1029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	209	0	209	0	293	0	234	0	0	0	0	0	25	0	25	0	0	0	0	0	1009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	193	0	193	0	290	0	234	0	0	0	0	0	39	0	39	0	0	0	0	0	995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	182	0	182	0	292	0	245	0	0	0	0	0	63	0	63	0	0	0	0	0	978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	176	0	176	0	302	0	236	0	0	0	0	0	59	0	59	0	0	0	0	0	962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	178	0	180	0	293	0	234	0	0	0	0	0	55	0	55	0	0	0	0	0	980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	202	0	203	0	261	0	209	0	0	0	0	0	5	0	5	0	0	0	0	0	1025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	243	0	245	0	268	0	230	0	0	0	0	0	-14	0	-14	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	263	0	265	0	325	0	252	0	0	0	0	0	-10	0	-10	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	284	0	286	0	359	0	275	0	0	0	0	0	-10	0	-10	0	0	0	0	0	980	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	306	0	308	0	374	0	292	0	0	0	0	0	-16	0	-16	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	321	0	323	0	415	0	310	0	0	0	0	0	-14	0	-14	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	339	0	339	0	417	0	323	0	0	0	0	0	-16	0	-16	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	348	0	348	0	410	0	332	0	0	0	0	0	-14	0	-14	0	0	0	0	0	980	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	352	0	352	0	406	0	338	0	0	0	0	0	-14	0	-14	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	336	0	334	0	372	0	330	0	0	0	0	0	-5	0	-3	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	315	0	317	0	332	0	321	0	0	0	0	0	5	0	5	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	304	0	304	0	321	0	306	0	0	0	0	0	1	0	1	0	0	0	0	0	980	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	302	0	304	0	310	0	301	0	0	0	0	0	-3	0	-3	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	301	0	301	0	315	0	295	0	0	0	0	0	-5	0	-5	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	297	0	299	0	325	0	293	0	0	0	0	0	-5	0	-5	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	299	0	299	0	321	0	293	0	0	0	0	0	-5	0	-5	0	0	0	0	0	980	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 SPD6	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
100	68	0	64	0	135	0	111	0	0	0	0	0	188	0	230	146	191	0	256	139	190	0	213	162	198	0	228	166	0	0	0	0	0	0
200	93	0	83	0	151	0	135	0	0	0	0	0	209	0	242	147	215	0	267	166	212	0	229	191	220	0	236	183	0	0	0	0	0	0
300	115	0	107	0	170	0	166	0	0	0	0	0	223	0	259	192	227	0	266	188	221	0	246	188	228	0	251	203	0	0	0	0	0	0
400	129	0	129	0	199	0	209	0	0	0	0	0	234	0	261	200	237	0	267	178	235	0	257	217	239	0	261	229	0	0	0	0	0	0
500	192	0	198	0	270	0	281	0	0	0	0	0	245	0	263	231	248	0	283	223	246	0	256	230	251	0	260	249	0	0	0	0	0	0
600	185	0	193	0	273	0	286	0	0	0	0	0	243	0	271	217	248	0	297	221	242	0	254	218	247	0	261	231	0	0	0	0	0	0
700	197	0	202	0	282	0	297	0	0	0	0	0	249	0	271	219	247	0	269	211	243	0	252	225	247	0	261	230	0	0	0	0	0	0
800	195	0	197	0	280	0	293	0	0	0	0	0	247	0	265	227	251	0	275	220	248	0	254	243	253	0	264	235	0	0	0	0	0	0
900	159	0	164	0	246	0	255	0	0	0	0	0	253	0	288	231	256	0	301	216	254	0	268	245	258	0	272	248	0	0	0	0	0	0
1000	202	0	212	0	236	0	249	0	0	0	0	0	266	0	289	259	268	0	295	252	273	0	293	263	276	0	289	266	0	0	0	0	0	0
1100	139	0	140	0	168	0	179	0	0	0	0	0	284	0	314	246	283	0	331	232	289	0	319	248	290	0	328	246	0	0	0	0	0	0
1200	174	0	173	0	205	0	209	0	0	0	0	0	292	0	308	266	292	0	311	271	295	0	320	277	298	0	307	285	0	0	0	0	0	0
1300	149	0	152	0	175	0	180	0	0	0	0	0	269	0	293	251	266	0	302	249	274	0	290	255	277	0	289	262	0	0	0	0	0	0
1400	97	0	100	0	127	0	134	0	0	0	0	0	282	0	310	245	281	0	329	230	287	0	320	251	289	0	321	252	0	0	0	0	0	0
1500	133	0	138	0	148	0	154	0	0	0	0	0	264	0	285	250	265	0	288	241	272	0	296	245	277	0	294	256	0	0	0	0	0	0
1600	129	0	135	0	151	0	158	0	0	0	0	0	264	0	281	250	266	0	296	245	267	0	277	257	272	0	286	263	0	0	0	0	0	0
1700	99	0	101	0	154	0	160	0	0	0	0	0	255	0	277	231	259	0	285	229	262	0	274	252	267	0	279	248	0	0	0	0	0	0
1800	132	0	138	0	193	0	201	0	0	0	0	0	260	0	298	240	265	0	310	233	268	0	274	258	273	0	279	266	0	0	0	0	0	0
1900	144	0	146	0	197	0	207	0	0	0	0	0	268	0	291	236	270	0	300	242	276	0	298	240	280	0	294	253	0	0	0	0	0	0
2000	125	0	133	0	199	0	207	0	0	0	0	0	260	0	285	222	259	0	281	226	268	0	277	260	273	0	279	266	0	0	0	0	0	0
2100	127	0	132	0	194	0	202	0	0	0	0	0	262	0	279	241	265	0	307	240	267	0	272	260	273	0	276	263	0	0	0	0	0	0
2200	99	0	97	0	168	0	176	0	0	0	0	0	253	0	281	227	256	0	288	218	259	0	265	254	264	0	269	257	0	0	0	0	0	0
2300	92	0	95	0	153	0	160	0	0	0	0	0	255	0	287	234	259	0	284	231	264	0	275	256	270	0	282	262	0	0	0	0	0	0
2400	70	0	72	0	119	0	124	0	0	0	0	0	249	0	273	229	253	0	289	226	264	0	281	252	270	0	281	261	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	302	0	302	0	327	0	299	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	323	0	323	0	339	0	321	0	0	0	0	0	1	0	-1	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	345	0	347	0	365	0	341	0	0	0	0	0	-5	0	-5	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	343	0	343	0	359	0	341	0	0	0	0	0	1	0	1	0	0	0	0	0	980	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	348	0	348	0	365	0	348	0	0	0	0	0	0	0	0	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	345	0	345	0	350	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	341	0	341	0	343	0	341	0	0	0	0	0	-1	0	1	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	338	0	338	0	336	0	339	0	0	0	0	0	-3	0	-3	0	0	0	0	0	980	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	336	0	336	0	332	0	330	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	338	0	339	0	334	0	332	0	0	0	0	0	-7	0	-7	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	339	0	341	0	334	0	330	0	0	0	0	0	-10	0	-10	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	330	0	332	0	323	0	321	0	0	0	0	0	-10	0	-10	0	0	0	0	0	980	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	338	0	339	0	348	0	332	0	0	0	0	0	-5	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	341	0	343	0	325	0	325	0	0	0	0	0	-16	0	-18	0	0	0	0	0	1016	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	338	0	339	0	330	0	330	0	0	0	0	0	-10	0	-10	0	0	0	0	0	982	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	336	0	338	0	330	0	327	0	0	0	0	0	-10	0	-12	0	0	0	0	0	969	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	334	0	334	0	329	0	329	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	332	0	332	0	338	0	338	0	0	0	0	0	5	0	5	0	0	0	0	0	1016	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	343	0	343	0	350	0	350	0	0	0	0	0	7	0	7	0	0	0	0	0	982	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	339	0	339	0	352	0	352	0	0	0	0	0	12	0	12	0	0	0	0	0	980	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	339	0	339	0	354	0	354	0	0	0	0	0	14	0	14	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	334	0	334	0	341	0	341	0	0	0	0	0	7	0	7	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	334	0	334	0	343	0	341	0	0	0	0	0	9	0	9	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	334	0	334	0	341	0	341	0	0	0	0	0	7	0	7	0	0	0	0	0	980	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

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HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	66	0	68	0	111	0	115	0	0	0	0	0	253	0	285	222	255	0	278	227	271	0	283	260	275	0	290	263	0	0	0	0	0	0
200	39	0	40	0	65	0	67	0	0	0	0	0	284	0	357	239	282	0	355	237	296	0	322	258	299	0	329	266	0	0	0	0	0	0
300	28	0	30	0	48	0	50	0	0	0	0	0	260	0	322	214	262	0	310	219	293	0	319	249	295	0	329	255	0	0	0	0	0	0
400	27	0	27	0	37	0	36	0	0	0	0	0	293	0	347	196	283	3	351	183	296	0	320	269	293	0	331	298	0	0	0	0	0	0
500	37	0	38	0	47	0	47	0	0	0	0	0	42	0	77	19	43	0	87	16	34	0	68	20	39	0	76	22	0	0	0	0	0	0
600	50	0	60	0	73	0	89	0	0	0	0	0	60	0	89	32	62	0	106	38	54	0	70	43	62	0	81	47	0	0	0	0	0	0
700	72	0	75	0	94	0	99	0	0	0	0	0	77	0	98	62	78	0	133	56	73	0	90	56	80	0	93	60	0	0	0	0	0	0
800	65	0	73	0	88	0	98	0	0	0	0	0	71	0	91	46	75	0	113	40	68	0	89	45	75	0	93	33	0	0	0	0	0	0
900	68	0	78	0	95	0	104	0	0	0	0	0	70	0	95	44	71	0	98	40	69	0	94	53	76	0	99	55	0	0	0	0	0	0
1000	42	0	48	0	57	0	61	0	0	0	0	0	50	0	79	18	51	0	87	14	47	0	80	22	52	0	79	19	0	0	0	0	0	0
1100	76	0	80	0	97	0	98	0	0	0	0	0	40	0	69	17	40	0	70	7	39	0	67	21	42	0	76	19	0	0	0	0	0	0
1200	108	0	129	0	138	0	159	0	0	0	0	0	64	0	90	40	65	0	93	25	59	0	78	38	66	0	87	50	0	0	0	0	0	0
1300	110	0	119	0	129	0	137	0	0	0	0	0	74	0	101	50	76	0	115	37	72	0	97	49	78	0	99	56	0	0	0	0	0	0
1400	94	0	108	0	121	0	134	0	0	0	0	0	60	0	101	27	62	0	108	25	56	0	92	22	63	0	99	30	0	0	0	0	0	0
1500	111	0	129	0	134	0	150	0	0	0	0	0	64	0	87	27	66	0	92	2	61	0	85	39	68	0	106	40	0	0	0	0	0	0
1600	115	0	124	0	134	0	150	0	0	0	0	0	68	0	91	32	73	0	115	40	66	0	88	47	73	0	95	53	0	0	0	0	0	0
1700	88	0	100	0	105	0	120	0	0	0	0	0	64	0	95	38	65	0	92	30	59	0	78	39	67	0	94	44	0	0	0	0	0	0
1800	52	0	59	0	64	0	73	0	0	0	0	0	67	0	99	42	68	0	102	33	63	0	83	43	69	0	92	46	0	0	0	0	0	0
1900	55	0	61	0	66	0	72	0	0	0	0	0	52	0	85	19	53	0	114	18	49	0	75	19	56	0	87	33	0	0	0	0	0	0
2000	85	0	98	0	108	0	122	0	0	0	0	0	60	0	78	38	62	0	87	30	56	0	82	39	64	0	97	41	0	0	0	0	0	0
2100	78	0	89	0	100	0	114	0	0	0	0	0	60	0	88	31	61	0	91	23	57	0	84	32	64	0	88	41	0	0	0	0	0	0
2200	79	0	90	0	105	0	121	0	0	0	0	0	60	0	79	35	61	0	92	30	54	0	75	39	64	0	81	49	0	0	0	0	0	0
2300	103	0	112	0	129	0	145	0	0	0	0	0	71	0	86	38	74	0	99	43	67	0	92	50	74	0	92	54	0	0	0	0	0	0
2400	120	0	133	0	156	0	173	0	0	0	0	0	74	0	98	53	76	0	103	39	68	0	85	53	76	0	94	60	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	339	0	339	0	343	0	343	0	0	0	0	0	9	0	10	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	338	0	338	0	343	0	341	0	0	0	0	0	5	0	5	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	339	0	339	0	343	0	343	0	0	0	0	0	3	0	3	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	321	0	320	0	315	0	315	0	0	0	0	0	-7	0	-5	0	0	0	0	0	980	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	301	0	301	0	292	0	292	0	0	0	0	0	-9	0	-7	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	290	0	290	0	284	0	284	0	0	0	0	0	-5	0	-5	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	284	0	286	0	279	0	279	0	0	0	0	0	-7	0	-7	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	284	0	284	0	279	0	279	0	0	0	0	0	-7	0	-7	0	0	0	0	0	980	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	286	0	288	0	279	0	281	0	0	0	0	0	-9	0	-9	0	0	0	0	0	1025	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	290	0	290	0	283	0	283	0	0	0	0	0	-7	0	-7	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	284	0	284	0	279	0	279	0	0	0	0	0	-5	0	-5	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	281	0	281	0	270	0	270	0	0	0	0	0	-12	0	-10	0	0	0	0	0	995	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	275	0	274	0	263	0	263	0	0	0	0	0	-12	0	-12	0	0	0	0	0	1029	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	274	0	274	0	261	0	261	0	0	0	0	0	-12	0	-12	0	0	0	0	0	982	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	248	0	248	0	238	0	238	0	0	0	0	0	-10	0	-10	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	243	0	243	0	232	0	232	0	0	0	0	0	-10	0	-10	0	0	0	0	0	995	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	245	0	245	0	236	0	236	0	0	0	0	0	-9	0	-9	0	0	0	0	0	521	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	239	0	241	0	232	0	232	0	0	0	0	0	-9	0	-9	0	0	0	0	0	982	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	239	0	241	0	232	0	232	0	0	0	0	0	-7	0	-7	0	0	0	0	0	962	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	238	0	239	0	232	0	232	0	0	0	0	0	-7	0	-7	0	0	0	0	0	980	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	232	0	234	0	227	0	227	0	0	0	0	0	-7	0	-7	0	0	0	0	0	492	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	221	0	221	0	216	0	216	0	0	0	0	0	-5	0	-5	0	0	0	0	0	978	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	200	0	200	0	194	0	194	0	0	0	0	0	-5	0	-5	0	0	0	0	0	1009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	176	0	178	0	171	0	173	0	0	0	0	0	-5	0	-5	0	0	0	0	0	991	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	85	0	83	0	110	0	119	0	0	0	0	0	122	0	143	104	129	0	153	108	126	0	152	105	137	0	157	116	0	0	0	0	0	0
200	68	0	65	0	82	0	87	0	0	0	0	0	121	0	140	92	129	0	152	102	122	0	149	103	134	0	163	107	0	0	0	0	0	0
300	106	0	103	0	121	0	128	0	0	0	0	0	119	0	133	108	127	0	148	108	121	0	130	109	132	0	142	120	0	0	0	0	0	0
400	92	0	88	0	135	0	141	0	0	0	0	0	131	0	148	119	138	0	158	113	139	0	147	123	151	0	162	135	0	0	0	0	0	0
500	126	0	127	0	161	0	167	0	0	0	0	0	126	0	144	104	134	0	160	115	130	0	148	115	141	0	158	125	0	0	0	0	0	0
600	116	0	116	0	163	0	165	0	0	0	0	0	131	0	149	115	140	0	165	119	141	0	154	129	153	0	165	145	0	0	0	0	0	0
700	107	0	107	0	151	0	153	0	0	0	0	0	131	0	150	118	138	0	159	121	143	0	157	132	155	0	167	142	0	0	0	0	0	0
800	93	0	90	0	142	0	145	0	0	0	0	0	143	0	189	112	150	0	194	127	148	0	172	121	160	0	182	143	0	0	0	0	0	0
900	82	0	79	0	136	0	127	0	0	0	0	0	156	0	202	116	163	0	204	125	166	0	187	134	178	0	217	144	0	0	0	0	0	0
1000	71	0	69	0	105	0	101	0	0	0	0	0	163	0	228	100	169	0	221	92	167	0	194	131	178	0	217	148	0	0	0	0	0	0
1100	55	0	48	0	95	0	85	0	0	0	0	0	173	0	257	92	179	0	265	104	178	0	216	133	188	0	223	154	0	0	0	0	0	0
1200	53	0	45	0	90	0	79	0	0	0	0	0	176	0	223	90	182	0	255	101	181	0	211	136	190	0	229	143	0	0	0	0	0	0
1300	41	0	31	0	53	0	48	0	0	0	0	0	206	0	268	139	209	0	259	149	195	0	251	118	204	0	257	154	0	0	0	0	0	0
1400	48	0	40	0	56	0	53	0	0	0	0	0	225	0	266	173	233	0	322	181	206	0	261	159	213	0	251	140	0	0	0	0	0	0
1500	78	0	70	0	91	0	95	0	0	0	0	0	229	0	266	0	238	0	321	193	223	0	257	169	230	0	263	191	0	0	0	0	0	0
1600	58	0	50	0	85	0	77	0	0	0	0	0	186	0	249	107	187	0	257	98	183	0	217	139	192	0	227	149	0	0	0	0	0	0
1700	70	0	63	0	109	0	95	0	0	0	0	0	182	0	234	99	185	0	255	99	184	0	218	144	192	0	219	155	0	0	0	0	0	0
1800	89	0	70	0	136	0	117	0	0	0	0	0	203	0	245	137	208	0	265	159	199	0	224	176	207	0	226	181	0	0	0	0	0	0
1900	75	0	57	0	129	0	113	0	0	0	0	0	195	0	256	137	202	0	255	143	198	0	221	169	206	0	225	181	0	0	0	0	0	0
2000	86	0	73	0	157	0	137	0	0	0	0	0	171	0	207	129	174	0	220	115	178	0	198	160	188	0	221	171	0	0	0	0	0	0
2100	78	0	70	0	138	0	124	0	0	0	0	0	166	0	207	123	172	0	229	135	174	0	210	141	183	0	206	162	0	0	0	0	0	0
2200	109	0	87	0	200	0	169	0	0	0	0	0	189	0	250	98	190	0	269	117	185	0	220	150	196	0	237	170	0	0	0	0	0	0
2300	122	0	106	0	226	0	189	0	0	0	0	0	181	0	253	143	189	0	249	119	186	0	212	160	195	0	225	169	0	0	0	0	0	0
2400	109	0	96	0	193	0	169	0	0	0	0	0	182	0	254	99	187	0	269	116	185	0	214	159	195	0	220	163	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	211	0	212	0	218	0	218	0	0	0	0	0	-7	0	-7	0	0	0	0	0	227	0	0	0	0	0	0	0	0	0	0	0	0	0		
200	214	0	216	0	223	0	223	0	0	0	0	0	-7	0	-7	0	0	0	0	0	232	0	0	0	0	0	0	0	0	0	0	0	0	0		
300	218	0	220	0	227	0	227	0	0	0	0	0	-7	0	-7	0	0	0	0	0	236	0	0	0	0	0	0	0	0	0	0	0	0	0		
400	216	0	218	0	225	0	225	0	0	0	0	0	-7	0	-5	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0		
500	221	0	221	0	227	0	227	0	0	0	0	0	-7	0	-7	0	0	0	0	0	266	0	0	0	0	0	0	0	0	0	0	0	0	0		
600	238	0	239	0	245	0	245	0	0	0	0	0	-3	0	-5	0	0	0	0	0	275	0	0	0	0	0	0	0	0	0	0	0	0	0		
700	254	0	256	0	257	0	257	0	0	0	0	0	-3	0	-5	0	0	0	0	0	279	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	270	0	270	0	279	0	279	0	0	0	0	0	-3	0	-3	0	0	0	0	0	288	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	299	0	301	0	309	0	309	0	0	0	0	0	-5	0	-5	0	0	0	0	0	302	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	320	0	320	0	317	0	317	0	0	0	0	0	-12	0	-12	0	0	0	0	0	793	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	347	0	347	0	339	0	339	0	0	0	0	0	-21	0	-23	0	0	0	0	0	820	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	370	0	372	0	367	0	367	0	0	0	0	0	-30	0	-32	0	0	0	0	0	323	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	388	0	390	0	366	0	366	0	0	0	0	0	-28	0	-30	0	0	0	0	0	391	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	397	0	399	0	379	0	379	0	0	0	0	0	-25	0	-25	0	0	0	0	0	859	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	402	0	402	0	389	0	389	0	0	0	0	0	-23	0	-23	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	420	0	422	0	397	0	397	0	0	0	0	0	-29	0	-30	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0		
1700	406	0	406	0	386	0	386	0	0	0	0	0	-23	0	-23	0	0	0	0	0	332	0	0	0	0	0	0	0	0	0	0	0	0	0		
1800	393	0	393	0	388	0	388	0	0	0	0	0	-9	0	-9	0	0	0	0	0	334	0	0	0	0	0	0	0	0	0	0	0	0	0		
1900	397	0	399	0	397	0	397	0	0	0	0	0	-3	0	-3	0	0	0	0	0	350	0	0	0	0	0	0	0	0	0	0	0	0	0		
2000	395	0	395	0	401	0	401	0	0	0	0	0	3	0	3	0	0	0	0	0	398	0	0	0	0	0	0	0	0	0	0	0	0	0		
2100	393	0	393	0	397	0	397	0	0	0	0	0	3	0	3	0	0	0	0	0	350	0	0	0	0	0	0	0	0	0	0	0	0	0		
2200	422	0	424	0	424	0	424	0	0	0	0	0	1	0	1	0	0	0	0	0	168	0	0	0	0	0	0	0	0	0	0	0	0	0		
2300	437	0	437	0	438	0	438	0	0	0	0	0	1	0	1	0	0	0	0	0	375	0	0	0	0	0	0	0	0	0	0	0	0	0		
2400	442	0	442	0	442	0	442	0	0	0	0	0	1	0	1	0	0	0	0	0	379	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 SPD6	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
100	55	0	52	0	55	0	45	0	0	0	0	0	178	0	199	133	189	0	227	138	171	0	175	168	189	0	223	177	0	0	0	0	0	0
200	53	0	44	0	60	0	54	0	0	0	0	0	187	0	206	159	190	0	214	142	201	0	206	195	210	0	217	203	0	0	0	0	0	0
300	55	0	52	0	53	0	54	0	0	0	0	0	157	0	179	138	162	0	183	142	166	0	169	164	179	0	222	174	0	0	0	0	0	0
400	58	0	55	0	71	0	61	0	0	0	0	0	162	0	186	142	167	0	195	144	171	0	182	165	184	0	220	177	0	0	0	0	0	0
500	53	0	43	0	121	0	95	0	0	0	0	0	186	0	217	151	191	0	226	111	194	0	198	189	202	0	208	197	0	0	0	0	0	0
600	47	0	43	0	106	0	91	0	0	0	0	0	165	0	190	135	168	0	214	138	191	0	205	178	200	0	215	185	0	0	0	0	0	0
700	49	0	45	0	106	0	88	0	0	0	0	0	163	0	195	126	168	0	208	138	181	0	195	158	191	0	223	167	0	0	0	0	0	0
800	57	0	54	0	130	0	132	0	0	0	0	0	151	0	185	125	156	0	186	120	165	0	174	156	178	0	219	163	0	0	0	0	0	0
900	52	0	53	0	93	0	95	0	0	0	0	0	148	0	181	108	154	0	199	123	159	0	183	120	170	0	211	144	0	0	0	0	0	0
1000	102	0	101	0	154	0	149	0	0	0	0	0	153	0	196	111	158	0	200	113	161	0	193	130	173	0	218	139	0	0	0	0	0	0
1100	122	0	122	0	175	0	178	0	0	0	0	0	137	0	168	108	145	0	183	121	142	0	163	124	154	0	173	129	0	0	0	0	0	0
1200	113	0	111	0	173	0	178	0	0	0	0	0	142	0	176	113	148	0	198	115	151	0	198	129	161	0	196	138	0	0	0	0	0	0
1300	143	0	145	0	193	0	200	0	0	0	0	0	130	0	154	113	139	0	174	88	136	0	152	116	148	0	168	129	0	0	0	0	0	0
1400	116	0	119	0	177	0	184	0	0	0	0	0	135	0	155	115	143	0	166	117	145	0	166	130	157	0	179	137	0	0	0	0	0	0
1500	164	0	166	0	236	0	240	0	0	0	0	0	131	0	160	112	139	0	160	118	137	0	152	124	149	0	165	137	0	0	0	0	0	0
1600	152	0	159	0	238	0	248	0	0	0	0	0	133	0	152	117	141	0	161	115	142	0	155	121	154	0	167	135	0	0	0	0	0	0
1700	163	0	165	0	250	0	261	0	0	0	0	0	135	0	158	119	141	0	162	116	142	0	163	127	155	0	172	137	0	0	0	0	0	0
1800	147	0	147	0	229	0	236	0	0	0	0	0	143	0	170	120	150	0	179	114	152	0	175	131	165	0	189	140	0	0	0	0	0	0
1900	159	0	162	0	254	0	265	0	0	0	0	0	145	0	167	126	152	0	186	130	152	0	171	133	165	0	183	148	0	0	0	0	0	0
2000	161	0	162	0	281	0	277	0	0	0	0	0	155	0	180	122	160	0	221	123	162	0	180	144	175	0	188	157	0	0	0	0	0	0
2100	169	0	172	0	286	0	279	0	0	0	0	0	155	0	193	129	163	0	206	127	160	0	193	141	172	0	195	151	0	0	0	0	0	0
2200	164	0	153	0	305	0	269	0	0	0	0	0	167	0	218	126	176	0	265	129	175	0	210	148	186	0	209	165	0	0	0	0	0	0
2300	83	0	76	0	148	0	130	0	0	0	0	0	172	0	218	127	178	0	238	109	178	0	199	155	188	0	216	161	0	0	0	0	0	0
2400	123	0	107	0	236	0	197	0	0	0	0	0	196	0	257	102	200	0	267	100	195	0	213	167	204	0	224	176	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	268	0	268	0	288	0	288	0	0	0	0	0	21	0	21	0	0	0	0	0	295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	270	0	270	0	292	0	292	0	0	0	0	0	23	0	23	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	256	0	256	0	293	0	293	0	0	0	0	0	37	0	37	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	256	0	256	0	293	0	293	0	0	0	0	0	39	0	39	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	261	0	261	0	297	0	297	0	0	0	0	0	37	0	37	0	0	0	0	0	281	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	248	0	248	0	283	0	283	0	0	0	0	0	34	0	34	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	248	0	250	0	283	0	283	0	0	0	0	0	34	0	34	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	268	0	270	0	284	0	284	0	0	0	0	0	16	0	16	0	0	0	0	0	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	301	0	302	0	295	0	295	0	0	0	0	0	-5	0	-7	0	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	327	0	327	0	313	0	313	0	0	0	0	0	-14	0	-14	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	357	0	359	0	341	0	341	0	0	0	0	0	-16	0	-18	0	0	0	0	0	311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	375	0	377	0	357	0	357	0	0	0	0	0	-18	0	-19	0	0	0	0	0	311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	384	0	384	0	370	0	370	0	0	0	0	0	-14	0	-14	0	0	0	0	0	317	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	413	0	415	0	402	0	402	0	0	0	0	0	-10	0	-12	0	0	0	0	0	311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	415	0	415	0	410	0	410	0	0	0	0	0	-5	0	-5	0	0	0	0	0	301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	419	0	420	0	415	0	415	0	0	0	0	0	-1	0	-3	0	0	0	0	0	304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	428	0	428	0	424	0	424	0	0	0	0	0	-1	0	-1	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	435	0	437	0	437	0	437	0	0	0	0	0	1	0	1	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	449	0	451	0	451	0	451	0	0	0	0	0	1	0	0	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	469	0	471	0	471	0	471	0	0	0	0	0	1	0	1	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	478	0	478	0	480	0	480	0	0	0	0	0	1	0	1	0	0	0	0	0	317	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	503	0	505	0	509	0	509	0	0	0	0	0	5	0	5	0	0	0	0	0	319	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	509	0	510	0	510	0	510	0	0	0	0	0	3	0	1	0	0	0	0	0	290	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	541	0	541	0	541	0	541	0	0	0	0	0	1	0	1	0	0	0	0	0	883	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 SPD6	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
100	281	0	286	0	359	0	363	0	0	0	0	0	266	0	291	245	268	0	305	239	273	0	305	262	277	0	297	266	0	0	0	0	0	0
200	231	0	235	0	299	0	317	0	0	0	0	0	265	0	286	245	267	0	294	240	266	0	280	255	271	0	284	260	0	0	0	0	0	0
300	237	0	230	0	280	0	289	0	0	0	0	0	268	0	295	243	268	0	301	242	276	0	298	253	280	0	301	256	0	0	0	0	0	0
400	260	0	272	0	321	0	335	0	0	0	0	0	267	0	281	253	269	0	287	251	267	0	279	262	273	0	283	269	0	0	0	0	0	0
500	159	0	157	0	272	0	288	0	0	0	0	0	259	0	278	235	263	0	288	231	257	0	270	228	263	0	271	238	0	0	0	0	0	0
600	180	0	178	0	299	0	315	0	0	0	0	0	257	0	288	232	259	0	308	228	259	0	262	245	260	0	271	250	0	0	0	0	0	0
700	229	0	221	0	329	0	340	0	0	0	0	0	249	0	279	231	253	0	277	229	248	0	254	243	254	0	263	247	0	0	0	0	0	0
800	239	0	235	0	334	0	351	0	0	0	0	0	247	0	267	228	251	0	288	211	246	0	256	239	251	0	256	245	0	0	0	0	0	0
900	259	0	264	0	348	0	369	0	0	0	0	0	247	0	279	231	250	0	288	216	245	0	251	237	250	0	257	242	0	0	0	0	0	0
1000	259	0	257	0	363	0	385	0	0	0	0	0	246	0	263	231	250	0	283	216	246	0	259	237	251	0	259	243	0	0	0	0	0	0
1100	270	0	270	0	377	0	393	0	0	0	0	0	250	0	275	234	252	0	288	216	249	0	259	242	254	0	261	246	0	0	0	0	0	0
1200	262	0	253	0	370	0	389	0	0	0	0	0	248	0	266	235	252	0	286	223	247	0	251	239	252	0	260	245	0	0	0	0	0	0
1300	200	0	193	0	328	0	341	0	0	0	0	0	256	0	283	232	259	0	296	228	254	0	267	247	260	0	279	248	0	0	0	0	0	0
1400	249	0	253	0	363	0	382	0	0	0	0	0	262	0	278	239	265	0	304	233	261	0	268	253	266	0	272	256	0	0	0	0	0	0
1500	290	0	301	0	381	0	399	0	0	0	0	0	265	0	278	249	268	0	291	233	265	0	271	258	271	0	278	263	0	0	0	0	0	0
1600	335	0	342	0	389	0	399	0	0	0	0	0	267	0	289	259	268	0	297	253	270	0	291	260	279	0	286	299	0	0	0	0	0	0
1700	331	0	334	0	389	0	402	0	0	0	0	0	268	0	286	257	270	0	296	251	271	0	296	254	277	0	300	262	0	0	0	0	0	0
1800	343	0	348	0	392	0	409	0	0	0	0	0	268	0	278	258	270	0	287	256	270	0	290	259	275	0	290	267	0	0	0	0	0	0
1900	288	0	284	0	361	0	367	0	0	0	0	0	270	0	288	254	269	0	305	247	274	0	312	250	278	0	322	297	0	0	0	0	0	0
2000	254	0	251	0	329	0	335	0	0	0	0	0	270	0	294	256	267	0	294	248	275	0	294	254	278	0	299	252	0	0	0	0	0	0
2100	277	0	278	0	326	0	343	0	0	0	0	0	269	0	283	259	268	0	295	254	270	0	281	262	275	0	287	268	0	0	0	0	0	0
2200	266	0	275	0	335	0	348	0	0	0	0	0	267	0	281	256	267	0	286	249	270	0	278	263	275	0	292	266	0	0	0	0	0	0
2300	197	0	201	0	292	0	308	0	0	0	0	0	263	0	286	239	263	0	304	222	265	0	272	260	271	0	278	269	0	0	0	0	0	0
2400	205	0	214	0	285	0	299	0	0	0	0	0	269	0	276	251	263	0	295	235	270	0	279	263	275	0	287	270	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	422	0	420	0	429	0	429	0	0	0	0	0	10	0	10	0	0	0	0	0	831	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	377	0	377	0	381	0	381	0	0	0	0	0	3	0	5	0	0	0	0	0	317	2	0	0	0	0	0	0	0	0	0	0	0	0		
300	363	0	365	0	359	0	359	0	0	0	0	0	-3	0	-3	0	0	0	0	0	321	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	356	0	356	0	357	0	357	0	0	0	0	0	1	0	1	0	0	0	0	0	786	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	341	0	341	0	348	0	348	0	0	0	0	0	7	0	9	0	0	0	0	0	782	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	339	0	339	0	341	0	341	0	0	0	0	0	1	0	1	0	0	0	0	0	780	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	343	0	343	0	343	0	343	0	0	0	0	0	1	0	1	0	0	0	0	0	784	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	347	0	348	0	345	0	345	0	0	0	0	0	-1	0	-1	0	0	0	0	0	797	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	354	0	356	0	348	0	348	0	0	0	0	0	-5	0	-5	0	0	0	0	0	804	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	359	0	359	0	354	0	354	0	0	0	0	0	-5	0	-5	0	0	0	0	0	629	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	368	0	368	0	359	0	359	0	0	0	0	0	-7	0	-7	0	0	0	0	0	302	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	372	0	374	0	366	0	366	0	0	0	0	0	-5	0	-5	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	384	0	384	0	372	0	372	0	0	0	0	0	-12	0	-12	0	0	0	0	0	302	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	384	0	384	0	383	0	383	0	0	0	0	0	0	0	1	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	388	0	390	0	395	0	395	0	0	0	0	0	7	0	7	0	0	0	0	0	299	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	399	0	399	0	401	0	401	0	0	0	0	0	3	0	1	0	0	0	0	0	292	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	404	0	406	0	408	0	408	0	0	0	0	0	3	0	3	0	0	0	0	0	290	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	401	0	401	0	404	0	404	0	0	0	0	0	5	0	5	0	0	0	0	0	288	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	393	0	393	0	397	0	397	0	0	0	0	0	3	0	3	0	0	0	0	0	288	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	393	0	393	0	399	0	399	0	0	0	0	0	7	0	7	0	0	0	0	0	292	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	392	0	393	0	404	0	404	0	0	0	0	0	12	0	12	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	388	0	388	0	408	0	408	0	0	0	0	0	19	0	19	0	0	0	0	0	309	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	379	0	379	0	395	0	395	0	0	0	000	0	23	0	23	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	370	0	370	0	393	0	393	0	0	0	0	0	25	0	25	0	0	0	0	0	308	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 SPD6	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
100	298	0	253	0	324	0	338	0	0	0	0	0	266	0	279	252	266	0	280	237	269	0	279	265	275	0	281	270	0	0	0	0	0	0
200	208	0	210	0	274	0	284	0	0	0	0	0	271	0	314	255	270	0	298	236	276	0	293	250	280	0	303	252	0	0	0	0	0	0
300	212	0	209	0	289	0	298	0	0	0	0	0	292	0	310	269	289	0	325	272	296	0	307	271	299	0	309	271	0	0	0	0	0	0
400	173	0	169	0	239	0	252	0	0	0	0	0	289	0	309	260	287	0	318	261	298	0	315	260	301	0	315	277	0	0	0	0	0	0
500	133	0	135	0	211	0	223	0	0	0	0	0	260	0	277	242	262	0	288	238	265	0	270	260	271	0	276	269	0	0	0	0	0	0
600	148	0	149	0	226	0	238	0	0	0	0	0	261	0	276	242	261	0	284	233	267	0	279	260	273	0	283	268	0	0	0	0	0	0
700	150	0	150	0	204	0	216	0	0	0	0	0	270	0	296	246	271	0	298	231	277	0	294	249	280	0	300	252	0	0	0	0	0	0
800	119	0	120	0	204	0	209	0	0	0	0	0	305	0	323	289	301	0	328	260	310	0	316	303	311	0	317	304	0	0	0	0	0	0
900	111	0	109	0	170	0	170	0	0	0	0	0	346	0	15	327	342	0	23	311	343	0	25	329	345	0	24	332	0	0	0	0	0	0
1000	59	0	54	0	84	0	83	0	0	0	0	0	356	0	70	301	354	0	85	305	356	0	49	307	359	0	62	305	0	0	0	0	0	0
1100	59	0	56	0	75	0	74	0	0	0	0	0	2	0	49	301	0	0	99	285	6	0	72	312	9	0	88	324	0	0	0	0	0	0
1200	82	0	86	0	82	0	90	0	0	0	0	0	55	0	89	19	55	0	113	8	45	0	86	1	51	0	99	3	0	0	0	0	0	0
1300	69	0	60	0	71	0	71	0	0	0	0	0	351	0	59	274	350	0	60	284	6	0	58	329	7	0	61	330	0	0	0	0	0	0
1400	67	0	63	0	69	0	67	0	0	0	0	0	26	0	56	358	25	0	73	343	14	0	38	330	18	0	45	341	0	0	0	0	0	0
1500	41	0	40	0	43	0	45	0	0	0	0	0	9	0	65	315	6	0	52	283	4	0	24	312	5	0	69	296	0	0	0	0	0	0
1600	41	0	39	0	47	0	49	0	0	0	0	0	4	0	103	279	3	0	62	286	11	0	46	317	15	0	103	312	0	0	0	0	0	0
1700	51	0	48	0	54	0	54	0	0	0	0	0	21	0	45	340	19	0	62	340	16	0	42	343	19	0	54	339	0	0	0	0	0	0
1800	47	0	50	0	66	0	71	0	0	0	0	0	53	0	73	24	53	0	85	27	41	0	60	24	46	0	69	28	0	0	0	0	0	0
1900	60	0	56	0	74	0	76	0	0	0	0	0	84	0	114	66	86	0	123	61	78	0	88	66	85	0	97	73	0	0	0	0	0	0
2000	93	0	90	0	133	0	135	0	0	0	0	0	83	0	105	66	85	0	111	62	81	0	93	74	89	0	104	78	0	0	0	0	0	0
2100	95	0	91	0	158	0	157	0	0	0	0	0	88	0	105	72	88	0	113	62	85	0	94	73	93	0	102	82	0	0	0	0	0	0
2200	111	0	104	0	161	0	158	0	0	0	0	0	91	0	109	79	95	0	122	76	89	0	98	75	97	0	107	85	0	0	0	0	0	0
2300	123	0	114	0	170	0	173	0	0	0	0	0	103	0	120	87	107	0	134	85	100	0	112	87	110	0	125	94	0	0	0	0	0	0
2400	116	0	110	0	156	0	156	0	0	0	0	0	97	0	121	75	102	0	135	68	93	0	119	81	103	0	128	88	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	374	0	375	0	397	0	397	0	0	0	0	0	23	0	23	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	375	0	377	0	383	0	383	0	0	0	0	0	7	0	9	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	374	0	374	0	383	0	383	0	0	0	0	0	9	0	9	0	0	0	0	0	541	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	361	0	363	0	374	0	374	0	0	0	0	0	12	0	12	0	0	0	0	0	302	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	330	0	330	0	347	0	347	0	0	0	0	0	16	0	16	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	339	0	341	0	357	0	357	0	0	0	0	0	16	0	18	0	0	0	0	0	304	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	352	0	354	0	363	0	363	0	0	0	0	0	9	0	9	0	0	0	0	0	302	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	352	0	352	0	368	0	368	0	0	0	0	0	18	0	16	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	359	0	359	0	359	0	359	0	0	0	0	0	0	0	0	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	375	0	375	0	363	0	363	0	0	0	0	0	-10	0	-10	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	379	0	379	0	366	0	366	0	0	0	0	0	-10	0	-10	0	0	0	0	0	299	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	372	0	370	0	365	0	365	0	0	0	0	0	-5	0	-5	0	0	0	0	0	275	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	375	0	375	0	361	0	361	0	0	0	0	0	-14	0	-14	0	0	0	0	0	277	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	363	0	361	0	359	0	359	0	0	0	0	0	-1	0	0	0	0	0	0	0	281	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	365	0	363	0	352	0	352	0	0	0	0	0	-10	0	-9	0	0	0	0	0	827	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	348	0	347	0	339	0	339	0	0	0	0	0	-9	0	-7	0	0	0	0	0	824	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	334	0	334	0	330	0	330	0	0	0	0	0	-5	0	-3	0	0	0	0	0	281	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	334	0	334	0	329	0	329	0	0	0	0	0	-5	0	-5	0	0	0	0	0	279	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	338	0	338	0	334	0	334	0	0	0	0	0	-3	0	-3	0	0	0	0	0	288	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	338	0	338	0	338	0	338	0	0	0	0	0	1	0	1	0	0	0	0	0	293	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	347	0	347	0	365	0	365	0	0	0	0	0	18	0	18	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	357	0	357	0	361	0	361	0	0	0	0	0	3	0	3	0	0	0	0	0	290	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	365	0	365	0	366	0	366	0	0	0	0	0	1	0	1	0	0	0	0	0	281	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	374	0	374	0	370	0	370	0	0	0	0	0	-3	0	-3	0	0	0	0	0	279	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 SPD6	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
100	122	0	113	0	159	0	163	0	0	0	0	0	107	0	122	91	112	0	140	92	103	0	111	99	119	0	126	105	0	0	0	0	0	0
200	147	0	143	0	197	0	198	0	0	0	0	0	97	0	115	76	100	0	129	76	99	0	107	77	109	0	119	88	0	0	0	0	0	0
300	149	0	144	0	185	0	189	0	0	0	0	0	110	0	125	91	114	0	140	89	106	0	122	88	117	0	138	100	0	0	0	0	0	0
400	136	0	130	0	169	0	179	0	0	0	0	0	114	0	130	93	119	0	151	85	112	0	128	100	122	0	138	106	0	0	0	0	0	0
500	88	0	85	0	116	0	121	0	0	0	0	0	119	0	132	102	125	0	144	98	120	0	135	102	132	0	149	115	0	0	0	0	0	0
600	122	0	118	0	160	0	165	0	0	0	0	0	114	0	128	99	118	0	141	87	112	0	125	98	129	0	139	106	0	0	0	0	0	0
700	123	0	115	0	156	0	161	0	0	0	0	0	112	0	129	94	117	0	151	96	111	0	123	100	123	0	137	110	0	0	0	0	0	0
800	138	0	132	0	161	0	165	0	0	0	0	0	119	0	138	97	125	0	145	72	121	0	138	105	132	0	149	109	0	0	0	0	0	0
900	148	0	143	0	178	0	183	0	0	0	0	0	113	0	131	93	118	0	142	85	112	0	124	85	125	0	147	100	0	0	0	0	0	0
1000	169	0	161	0	197	0	202	0	0	0	0	0	114	0	128	95	119	0	142	93	113	0	131	98	129	0	141	110	0	0	0	0	0	0
1100	198	0	194	0	239	0	237	0	0	0	0	0	110	0	132	82	115	0	143	85	109	0	126	98	120	0	140	93	0	0	0	0	0	0
1200	191	0	185	0	228	0	237	0	0	0	0	0	121	0	148	103	127	0	149	93	118	0	142	100	130	0	150	114	0	0	0	0	0	0
1300	208	0	205	0	261	0	267	0	0	0	0	0	122	0	138	97	128	0	149	107	122	0	141	105	134	0	152	112	0	0	0	0	0	0
1400	186	0	188	0	216	0	222	0	0	0	0	0	120	0	135	104	125	0	144	80	117	0	138	97	129	0	149	101	0	0	0	0	0	0
1500	175	0	173	0	207	0	209	0	0	0	0	0	118	0	137	104	123	0	157	87	115	0	138	98	126	0	145	99	0	0	0	0	0	0
1600	168	0	166	0	197	0	204	0	0	0	0	0	123	0	146	103	130	0	155	109	121	0	139	102	133	0	157	109	0	0	0	0	0	0
1700	183	0	176	0	216	0	221	0	0	0	0	0	117	0	135	100	129	0	143	97	117	0	132	100	129	0	144	111	0	0	0	0	0	0
1800	174	0	173	0	201	0	206	0	0	0	0	0	117	0	133	98	124	0	149	99	116	0	142	98	128	0	148	110	0	0	0	0	0	0
1900	125	0	122	0	154	0	159	0	0	0	0	0	118	0	136	90	126	0	169	84	118	0	138	98	130	0	154	109	0	0	0	0	0	0
2000	169	0	165	0	204	0	208	0	0	0	0	0	114	0	134	91	120	0	142	86	111	0	133	100	123	0	141	109	0	0	0	0	0	0
2100	169	0	165	0	208	0	215	0	0	0	0	0	120	0	135	107	128	0	152	108	122	0	139	105	134	0	152	119	0	0	0	0	0	0
2200	150	0	145	0	184	0	193	0	0	0	0	0	122	0	138	109	129	0	174	102	129	0	145	109	136	0	153	122	0	0	0	0	0	0
2300	132	0	131	0	171	0	179	0	0	0	0	0	126	0	148	109	132	0	160	109	130	0	158	107	142	0	160	126	0	0	0	0	0	0
2400	147	0	146	0	191	0	199	0	0	0	0	0	126	0	151	104	133	0	161	101	127	0	153	113	140	0	164	121	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 DEW3OS	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	374	0	374	0	372	0	372	0	0	0	0	0	0	0	1	0	0	0	0	0	272	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	374	0	374	0	370	0	370	0	0	0	0	0	-3	0	-3	0	0	0	0	0	266	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	375	0	375	0	372	0	372	0	0	0	0	0	-3	0	-3	0	0	0	0	0	263	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	374	0	374	0	368	0	368	0	0	0	0	0	-5	0	-5	0	0	0	0	0	259	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	374	0	375	0	370	0	370	0	0	0	0	0	-3	0	-3	0	0	0	0	0	257	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	363	0	365	0	359	0	359	0	0	0	0	0	-3	0	-3	0	0	0	0	0	268	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	359	0	359	0	354	0	354	0	0	0	0	0	-3	0	-3	0	0	0	0	0	268	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	370	0	370	0	363	0	363	0	0	0	0	0	-7	0	-7	0	0	0	0	0	254	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	370	0	370	0	361	0	361	0	0	0	0	0	-9	0	-9	0	0	0	0	0	259	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	375	0	375	0	366	0	366	0	0	0	0	0	-9	0	-9	0	0	0	0	0	254	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	381	0	381	0	372	0	372	0	0	0	0	0	-9	0	-9	0	0	0	0	0	259	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	383	0	383	0	374	0	374	0	0	0	0	0	-9	0	-9	0	0	0	0	0	252	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	388	0	388	0	377	0	377	0	0	0	0	0	-10	0	-10	0	0	0	0	0	257	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	390	0	390	0	377	0	377	0	0	0	0	0	-10	0	-10	0	0	0	0	0	263	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	397	0	397	0	384	0	384	0	0	0	0	0	-10	0	-10	0	0	0	0	0	263	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	404	0	406	0	395	0	395	0	0	0	0	0	-9	0	-9	0	0	0	0	0	822	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	401	0	402	0	392	0	392	0	0	0	0	0	-9	0	-9	0	0	0	0	0	272	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	390	0	390	0	381	0	381	0	0	0	0	0	-7	0	-7	0	0	0	0	0	275	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	379	0	379	0	372	0	372	0	0	0	0	0	-7	0	-7	0	0	0	0	0	275	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	372	0	372	0	365	0	365	0	0	0	0	0	-7	0	-7	0	0	0	0	0	279	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	368	0	368	0	361	0	361	0	0	0	0	0	-7	0	-7	0	0	0	0	0	283	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	363	0	365	0	356	0	356	0	0	0	0	0	-7	0	-7	0	0	0	0	0	292	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	361	0	361	0	354	0	354	0	0	0	0	0	-7	0	-7	0	0	0	0	0	311	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	361	0	361	0	352	0	352	0	0	0	0	0	-7	0	-7	0	0	0	0	0	325	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 SPD6	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
100	137	0	135	0	176	0	186	0	0	0	0	0	126	0	145	105	133	0	175	106	127	0	143	112	139	0	160	119	0	0	0	0	0	0
200	156	0	153	0	199	0	208	0	0	0	0	0	125	0	144	108	132	0	151	112	128	0	147	108	141	0	156	121	0	0	0	0	0	0
300	215	0	215	0	260	0	268	0	0	0	0	0	123	0	140	109	132	0	160	112	127	0	142	108	139	0	162	120	0	0	0	0	0	0
400	180	0	183	0	240	0	258	0	0	0	0	0	127	0	144	109	135	0	164	103	131	0	146	110	144	0	157	127	0	0	0	0	0	0
500	173	0	177	0	214	0	224	0	0	0	0	0	126	0	145	112	135	0	163	115	128	0	142	106	142	0	154	123	0	0	0	0	0	0
600	173	0	175	0	225	0	235	0	0	0	0	0	126	0	142	112	133	0	149	109	129	0	153	115	141	0	163	125	0	0	0	0	0	0
700	182	0	183	0	250	0	259	0	0	0	0	0	126	0	150	106	134	0	161	106	130	0	147	108	142	0	158	125	0	0	0	0	0	0
800	159	0	162	0	221	0	229	0	0	0	0	0	133	0	169	117	140	0	169	115	137	0	157	114	148	0	164	131	0	0	0	0	0	0
900	173	0	175	0	243	0	255	0	0	0	0	0	130	0	150	114	140	0	165	115	135	0	150	114	148	0	165	131	0	0	0	0	0	0
1000	131	0	165	2	182	0	220	2	0	0	0	0	134	0	146	115	31	0	163	0	142	0	157	119	35	0	170	0	0	0	0	0	0	0
1100	121	0	127	0	197	0	203	0	0	0	0	0	140	0	166	116	147	0	187	115	151	0	174	126	162	0	183	144	0	0	0	0	0	0
1200	116	0	114	0	179	0	184	0	0	0	0	0	145	0	177	118	152	0	194	117	153	0	172	131	164	0	184	137	0	0	0	0	0	0
1300	79	0	71	0	137	0	117	0	0	0	0	0	172	0	205	120	113	0	225	115	181	0	209	148	190	0	208	151	0	0	0	0	0	0
1400	77	0	62	0	115	0	108	0	0	0	0	0	217	0	255	178	223	0	266	177	214	0	240	195	221	0	245	205	0	0	0	0	0	0
1500	161	0	140	0	259	0	274	0	0	0	0	0	248	0	264	227	251	0	272	220	258	0	265	254	265	0	270	254	0	0	0	0	0	0
1600	155	0	158	0	290	0	307	0	0	0	0	0	250	0	267	226	253	0	281	221	269	0	276	259	275	0	278	267	0	0	0	0	0	0
1700	133	0	135	0	246	0	259	0	0	0	0	0	257	0	274	244	261	0	287	234	271	0	279	254	276	0	283	259	0	0	0	0	0	0
1800	196	0	194	0	272	0	283	0	0	0	0	0	271	0	308	249	272	0	302	243	276	0	308	264	280	0	323	259	0	0	0	0	0	0
1900	136	0	135	0	184	0	194	0	0	0	0	0	284	0	322	258	281	0	328	247	293	0	306	263	297	0	311	272	0	0	0	0	0	0
2000	96	0	95	0	140	0	146	0	0	0	0	0	293	0	323	265	291	0	322	246	297	0	319	266	300	0	311	275	0	0	0	0	0	0
2100	133	0	134	0	191	0	196	0	0	0	0	0	304	0	315	288	302	0	317	280	313	0	320	307	315	0	322	308	0	0	0	0	0	0
2200	144	0	140	0	195	0	198	0	0	0	0	0	305	0	319	290	302	0	318	276	315	0	322	307	318	0	325	309	0	0	0	0	0	0
2300	150	0	147	0	209	0	214	0	0	0	0	0	299	0	315	283	298	0	317	265	310	0	314	303	312	0	318	305	0	0	0	0	0	0
2400	118	0	112	0	160	0	164	0	0	0	0	0	295	0	308	280	292	0	329	264	310	0	317	303	312	0	320	302	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	361	0	361	0	352	0	352	0	0	0	0	0	-7	0	-7	0	0	0	0	0	330	2	0	0	0	0	0	0	0	0	0	0	0	0
200	359	0	361	0	352	0	352	0	0	0	0	0	-7	0	-7	0	0	0	0	0	334	2	0	0	0	0	0	0	0	0	0	0	0	0
300	357	0	357	0	348	0	348	0	0	0	0	0	-7	0	-7	0	0	0	0	0	336	2	0	0	0	0	0	0	0	0	0	0	0	0
400	361	0	363	0	354	0	354	0	0	0	0	0	-5	0	-7	0	0	0	0	0	339	2	0	0	0	0	0	0	0	0	0	0	0	0
500	365	0	365	0	357	0	357	0	0	0	0	0	-5	0	-5	0	0	0	0	0	797	2	0	0	0	0	0	0	0	0	0	0	0	0
600	365	0	365	0	359	0	359	0	0	0	0	0	-5	0	-5	0	0	0	0	0	341	2	0	0	0	0	0	0	0	0	0	0	0	0
700	372	0	372	0	366	0	366	0	0	0	0	0	-3	0	-3	0	0	0	0	0	345	2	0	0	0	0	0	0	0	0	0	0	0	0
800	383	0	383	0	377	0	377	0	0	0	0	0	-5	0	-5	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0
900	397	0	397	0	390	0	390	0	0	0	0	0	-3	0	-5	0	0	0	0	0	606	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	406	0	408	2	399	2	399	2	0	0	0	0	-5	0	-7	2	0	0	0	0	829	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	429	0	429	0	422	0	420	0	0	0	0	0	-7	0	-7	0	0	0	0	0	311	2	0	0	000	0	0	0	0	0	0	0	0	0
1200	465	0	467	0	455	0	453	0	0	0	0	0	-10	0	-12	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	487	0	489	0	478	0	476	0	0	0	0	0	-9	0	-10	0	0	0	0	0	789	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	528	0	530	0	523	0	521	0	0	0	0	0	-5	0	-7	0	0	0	0	0	919	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	532	0	532	0	550	0	548	0	0	0	0	0	19	0	18	0	0	0	0	0	926	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	446	0	446	0	512	0	512	0	0	0	0	0	66	0	64	0	0	0	0	0	870	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	413	0	413	0	455	0	455	0	0	0	0	0	41	0	41	0	0	0	0	0	859	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	427	0	419	0	446	0	444	0	0	0	0	0	28	0	27	0	0	0	0	0	530	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	399	0	399	0	402	0	401	0	0	0	0	0	3	0	1	0	0	0	0	0	359	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	372	0	372	0	368	0	368	0	0	0	0	0	-1	0	-3	0	0	0	0	0	339	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	359	0	359	0	366	0	366	0	0	0	0	0	7	0	5	0	0	0	0	0	339	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	359	0	359	0	359	0	359	0	0	0	0	0	1	0	0	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	352	0	352	0	356	0	356	0	0	0	0	0	3	0	3	0	0	0	0	0	325	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	343	0	343	0	341	0	341	0	0	0	0	0	1	0	-1	0	0	0	0	0	325	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 SPD6	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
100	155	0	151	0	224	0	226	0	0	0	0	0	311	0	337	289	307	0	341	280	322	0	331	313	325	0	333	313	0	0	0	0	0	0
200	149	0	144	0	190	0	192	0	0	0	0	0	311	0	327	293	308	0	328	282	319	0	327	312	322	0	331	311	0	0	0	0	0	0
300	123	0	123	0	171	0	174	0	0	0	0	0	305	0	323	285	309	0	327	276	314	0	323	306	316	0	323	308	0	0	0	0	0	0
400	153	0	150	0	209	0	206	0	0	0	0	0	316	0	336	293	313	0	344	284	323	0	339	309	325	0	339	311	0	0	0	0	0	0
500	109	0	105	0	166	0	167	0	0	0	0	0	328	0	351	288	327	0	10	281	333	0	344	318	336	0	3	320	0	0	0	0	0	0
600	101	0	96	0	153	0	154	0	0	0	0	0	327	0	359	290	327	0	13	278	333	0	352	319	336	0	5	310	0	0	0	0	0	0
700	122	0	117	0	168	0	169	0	0	0	0	0	340	0	15	312	338	0	24	296	343	0	9	327	347	0	13	335	0	0	0	0	0	0
800	74	0	69	0	104	0	103	0	0	0	0	0	350	0	45	312	348	0	51	307	352	0	18	316	358	0	34	335	0	0	0	0	0	0
900	64	0	60	0	85	0	83	0	0	0	0	0	335	0	10	303	339	0	17	295	348	0	12	331	352	0	15	326	0	0	0	0	0	0
1000	55	0	51	0	85	0	83	0	0	0	0	0	349	0	69	273	350	0	94	271	358	0	26	329	2	0	38	309	0	0	0	0	0	0
1100	58	0	55	0	73	0	74	0	0	0	0	0	11	0	70	292	10	0	69	296	4	0	58	317	5	0	67	301	0	0	0	0	0	0
1200	54	0	53	0	66	0	65	0	0	0	0	0	338	0	23	281	337	0	49	276	347	0	15	300	350	0	25	312	0	0	0	0	0	0
1300	56	0	55	0	68	0	70	0	0	0	0	0	328	0	8	276	337	0	13	280	352	0	31	290	355	0	54	277	0	0	0	0	0	0
1400	44	0	43	0	54	0	52	0	0	0	0	0	340	0	36	283	337	0	46	276	353	0	36	283	358	0	73	305	0	0	0	0	0	0
1500	41	0	37	0	45	0	46	0	0	0	0	0	343	0	38	282	339	0	28	282	352	0	18	324	356	0	38	326	0	0	0	0	0	0
1600	43	0	39	0	51	0	52	0	0	0	0	0	333	0	7	297	333	0	13	283	347	0	19	317	350	0	30	323	0	0	0	0	0	0
1700	40	0	36	0	51	0	49	0	0	0	0	J	356	0	59	283	352	0	62	283	354	0	32	324	358	0	80	323	0	0	0	0	0	0
1800	54	0	50	0	61	0	62	0	0	0	0	0	29	0	58	341	28	0	73	340	26	0	66	357	29	0	74	7	0	0	0	0	0	0
1900	27	0	26	0	29	0	33	0	0	0	0	0	55	3	94	24	55	3	103	21	45	3	66	3	49	0	93	13	0	0	0	0	0	0
2000	45	0	42	0	53	0	56	0	0	0	0	0	89	0	135	52	90	0	134	41	84	0	115	57	91	0	124	52	0	0	0	0	0	0
2100	56	0	53	0	68	0	69	0	0	0	0	0	108	0	137	78	112	0	157	76	108	0	132	85	118	0	139	89	0	0	0	0	0	0
2200	66	0	64	0	76	0	81	0	0	0	0	0	121	0	138	97	126	0	148	90	120	0	133	99	131	0	147	108	0	0	0	0	0	0
2300	69	0	68	0	84	0	90	0	0	0	0	0	125	0	139	113	131	0	139	112	129	0	145	115	141	0	158	128	0	0	0	0	0	0
2400	41	0	38	0	62	0	64	0	0	0	0	0	114	0	137	93	119	0	145	92	119	0	135	104	130	0	148	114	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	345	0	345	0	339	0	338	0	0	0	0	0	-5	0	-7	0	0	0	0	0	317	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	343	0	343	0	338	0	336	0	0	0	0	0	-5	0	-7	0	0	0	0	0	315	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	338	0	339	0	334	0	334	0	0	0	0	0	-3	0	-5	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	338	0	338	0	330	0	329	0	0	0	0	0	-7	0	-7	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	334	0	334	0	327	0	325	0	0	0	0	0	-7	0	-7	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	334	0	334	0	327	0	325	0	0	0	0	0	-7	0	-9	0	0	0	0	0	304	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	334	0	334	0	327	0	325	0	0	0	0	0	-7	0	-9	0	0	0	0	0	304	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	330	0	332	0	323	0	323	0	0	0	0	0	-7	0	-9	0	0	0	0	0	304	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	332	0	332	0	325	0	323	0	0	0	0	0	-7	0	-9	0	0	0	0	0	299	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	348	0	350	0	334	0	334	0	0	0	0	0	-12	0	-14	0	0	0	0	0	315	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	350	0	350	0	339	0	338	0	0	0	0	0	-10	0	-10	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	347	0	347	0	334	0	332	0	0	0	0	0	-10	0	-12	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	347	0	348	0	336	0	334	0	0	0	0	0	-10	0	-12	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	350	0	352	0	336	0	334	0	0	0	0	0	-14	0	-16	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	347	0	348	0	330	0	330	0	0	0	0	0	-14	0	-16	0	0	0	0	0	311	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	339	0	341	0	329	0	327	0	0	0	0	0	-10	0	-12	0	0	0	0	0	807	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	338	0	338	0	327	0	325	0	0	0	0	0	-12	0	-12	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	330	0	330	0	321	0	320	0	0	0	0	0	-7	0	-9	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	327	0	327	0	319	0	319	0	0	0	0	0	-9	0	-9	0	0	0	0	0	302	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	325	0	325	0	317	0	315	0	0	0	0	0	-9	0	-9	0	0	0	0	0	302	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	323	0	325	0	317	0	315	0	0	0	0	0	-9	0	-9	0	0	0	0	0	304	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	323	0	325	0	317	0	315	0	0	0	0	0	-7	0	-9	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	330	0	330	0	321	0	321	0	0	0	0	0	-7	0	-9	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	321	0	321	0	321	0	321	0	0	0	0	0	0	0	0	0	0	0	0	0	304	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 SPD6	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
100	40	0	36	0	53	0	57	0	0	0	0	0	108	0	118	97	112	0	126	100	116	0	121	111	127	0	131	121	0	0	0	0	0	0
200	69	0	67	0	92	0	96	0	0	0	0	0	119	0	127	111	125	0	130	119	128	0	131	125	139	0	141	135	0	0	0	0	0	0
300	89	0	81	0	115	0	121	0	0	0	0	0	121	0	126	113	127	0	139	112	131	0	139	126	142	0	147	137	0	0	0	0	0	0
400	85	0	81	0	139	0	140	0	0	0	0	0	129	0	136	115	131	0	142	120	139	0	149	131	150	0	158	142	0	0	0	0	0	0
500	42	0	40	0	73	0	76	0	0	0	0	0	119	0	189	94	129	0	161	100	142	0	158	118	151	0	169	139	0	0	0	0	0	0
600	76	0	76	0	116	0	122	0	0	0	0	0	132	0	151	116	140	0	160	116	143	0	153	131	152	0	164	140	0	0	0	0	0	0
700	72	0	73	0	111	0	116	0	0	0	0	0	134	0	162	119	143	0	168	125	149	0	159	128	159	0	179	132	0	0	0	0	0	0
800	49	0	52	0	85	0	83	0	0	0	0	0	148	0	235	90	157	0	269	106	160	0	263	121	168	0	225	130	0	0	0	0	0	0
900	39	0	41	0	60	0	57	0	0	0	0	0	158	0	219	119	169	0	225	119	166	0	192	148	176	0	209	151	0	0	0	0	0	0
1000	18	0	23	0	22	0	20	0	0	0	0	0	262	0	350	182	261	0	336	187	233	0	305	183	243	5	315	189	0	0	0	0	0	0
1100	12	0	21	0	10	0	9	0	0	0	0	0	315	0	352	236	310	3	347	257	266	5	279	261	321	5	327	319	0	0	0	0	0	0
1200	22	0	20	0	15	0	19	0	0	0	0	0	300	0	345	232	294	3	339	209	272	5	300	259	282	5	329	247	0	0	0	0	0	0
1300	35	0	32	0	30	0	35	0	0	0	0	0	298	0	281	206	298	0	285	210	292	0	257	218	296	0	291	215	0	0	0	0	0	0
1400	44	0	41	0	50	0	54	0	0	0	0	0	287	0	316	259	289	0	329	261	271	0	309	237	275	0	301	246	0	0	0	0	0	0
1500	76	0	76	0	106	0	111	0	0	0	0	0	306	0	329	284	309	0	332	271	303	0	312	296	305	0	315	300	0	0	0	0	0	0
1600	57	0	55	0	90	0	93	0	0	0	0	0	301	0	329	276	300	0	339	263	312	0	327	305	319	0	329	306	0	0	0	0	0	0
1700	62	0	58	0	83	0	89	0	0	0	0	0	346	0	27	286	342	0	27	282	359	0	35	330	3	0	35	337	0	0	0	0	0	0
1800	47	0	43	0	67	0	68	0	0	0	0	0	15	0	59	325	14	0	62	298	9	0	45	321	14	0	58	336	0	0	0	0	0	0
1900	34	0	30	0	46	0	46	0	0	0	0	0	14	0	47	329	12	3	62	310	5	0	19	341	9	0	26	353	0	0	0	0	0	0
2000	59	0	54	0	98	0	98	0	0	0	0	0	31	0	61	13	28	0	62	1	19	0	39	357	24	0	47	7	0	0	0	0	0	0
2100	87	0	81	0	134	0	134	0	0	0	0	0	25	0	57	5	21	0	47	346	12	0	39	351	18	0	38	4	0	0	0	0	0	0
2200	97	0	96	0	129	0	126	0	0	0	0	0	40	0	60	18	39	0	73	16	35	0	59	18	40	0	62	8	0	0	0	0	0	0
2300	86	0	89	0	109	0	116	0	0	0	0	0	49	0	81	21	48	0	89	12	43	0	72	13	49	0	77	23	0	0	0	0	0	0
2400	72	0	75	0	89	0	101	0	0	0	0	0	55	0	85	29	53	0	106	17	50	0	78	29	56	0	81	30	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	320	0	321	0	323	0	323	0	0	0	0	0	5	0	3	0	0	0	0	0	309	2	0	0	0	0	0	0	0	0	0	0	0	0
200	321	0	321	0	323	0	323	0	0	0	0	0	7	0	5	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0
300	315	0	315	0	321	0	321	0	0	0	0	0	7	0	7	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0
400	315	0	317	0	320	0	320	0	0	0	0	0	5	0	3	0	0	0	0	0	311	2	0	0	0	0	0	0	0	0	0	0	0	0
500	323	0	323	0	323	0	323	0	0	0	0	0	1	0	1	0	0	0	0	0	315	2	0	0	0	0	0	0	0	0	0	0	0	0
600	330	0	330	0	327	0	325	0	0	0	0	0	-3	0	-3	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0
700	334	0	336	0	329	0	327	0	0	0	0	0	-7	0	-7	0	0	0	0	0	321	2	0	0	0	0	0	0	0	0	0	0	0	0
800	343	0	343	0	332	0	332	0	0	0	0	0	-9	0	-10	0	0	0	0	0	327	2	0	0	0	0	0	0	0	0	0	0	0	0
900	356	0	356	0	341	0	339	0	0	0	0	0	-12	0	-14	0	0	0	0	0	332	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	363	0	363	0	348	0	348	0	0	0	0	0	-12	0	-12	0	0	0	0	0	334	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	359	0	359	0	352	0	352	0	0	0	0	0	-7	0	-7	0	0	0	0	0	339	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	361	0	363	0	357	0	356	0	0	0	0	0	-3	0	-5	0	0	0	0	0	339	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	392	0	393	0	377	0	377	0	0	0	0	0	-14	0	-18	0	0	0	0	0	347	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	377	0	377	0	363	0	365	0	0	0	0	0	-12	0	-12	0	0	0	0	0	332	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	352	0	352	0	345	0	343	0	0	0	0	0	-5	0	-7	0	0	0	0	0	343	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	343	0	343	0	336	0	339	0	0	0	0	0	-7	0	-9	0	0	0	0	0	770	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	341	0	343	0	336	0	339	0	0	0	0	0	-5	0	-7	0	0	0	0	0	325	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	341	0	341	0	330	0	329	0	0	0	0	0	-9	0	-10	0	0	0	0	0	323	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	327	0	329	0	321	0	321	0	0	0	0	0	-5	0	-5	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	330	0	330	0	325	0	323	0	0	0	0	0	-5	0	-7	0	0	0	0	0	321	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	350	0	350	0	348	0	347	0	0	0	0	0	-3	0	-3	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	354	0	354	0	347	0	345	0	0	0	0	0	-7	0	-7	0	0	0	0	0	321	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	359	0	359	0	350	0	348	0	0	0	0	0	-7	0	-9	0	0	0	0	0	317	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	352	0	354	0	345	0	343	0	0	0	0	0	-7	0	-9	0	0	0	0	0	315	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 SPD6	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
100	101	0	102	0	119	0	128	0	0	0	0	0	81	0	106	57	84	0	126	47	77	0	105	47	86	0	111	59	0	0	0	0	0	0
200	104	0	97	0	128	0	129	0	0	0	0	0	101	0	135	79	104	0	130	63	95	0	115	80	105	0	127	86	0	0	0	0	0	0
300	85	0	80	0	111	0	110	0	0	0	0	0	91	0	121	74	94	0	124	72	90	0	100	80	100	0	113	88	0	0	0	0	0	0
400	54	0	50	0	70	0	71	0	0	0	0	0	84	0	105	68	88	0	119	63	85	0	94	77	99	0	109	85	0	0	0	0	0	0
500	68	0	72	0	92	0	99	0	0	0	0	0	71	0	103	43	73	0	113	47	70	0	81	52	79	0	90	68	0	0	0	0	0	0
600	98	0	95	0	123	0	125	0	0	0	0	0	81	0	110	67	82	0	120	55	78	0	92	64	87	0	110	68	0	0	0	0	0	0
700	74	0	71	0	100	0	101	0	0	0	0	0	92	0	116	72	95	0	120	75	88	0	105	74	96	0	112	74	0	0	0	0	0	0
800	78	0	73	0	105	0	106	0	0	0	0	0	101	0	133	83	105	0	137	76	99	0	113	81	109	0	133	88	0	0	0	0	0	0
900	126	0	121	0	158	0	158	0	0	0	0	0	91	0	112	63	92	0	126	61	90	0	113	77	100	0	125	82	0	0	0	0	0	0
1000	115	0	108	0	135	0	140	0	0	0	0	0	108	0	131	85	112	0	137	73	109	0	119	86	115	0	130	93	0	0	0	0	0	0
1100	142	0	137	0	177	0	181	0	0	0	0	0	110	0	135	85	114	0	142	76	108	0	123	91	118	0	136	103	0	0	0	0	0	0
1200	101	0	103	0	127	0	129	0	0	0	0	0	84	0	104	58	85	0	113	56	82	0	100	56	93	0	116	68	0	0	0	0	0	0
1300	106	0	102	0	153	0	152	0	0	0	0	0	92	0	116	67	95	0	137	71	90	0	110	72	100	0	138	86	0	0	0	0	0	0
1400	147	0	145	0	185	0	190	0	0	0	0	0	85	0	107	67	88	0	126	55	81	0	107	68	92	0	119	68	0	0	0	0	0	0
1500	132	0	129	0	170	0	170	0	0	0	0	0	95	0	123	72	100	0	136	62	94	0	117	73	103	0	126	76	0	0	0	0	0	0
1600	177	0	172	0	221	0	221	0	0	0	0	0	109	0	127	91	112	0	137	68	105	0	121	90	116	0	133	100	0	0	0	0	0	0
1700	144	0	140	0	180	0	185	0	0	0	0	0	114	0	134	93	120	0	152	88	112	0	132	92	124	0	144	92	0	0	0	0	0	0
1800	115	0	108	0	143	0	147	0	0	0	0	0	109	0	132	75	113	0	141	68	106	0	128	84	118	0	143	92	0	0	0	0	0	0
1900	135	0	126	0	178	0	181	0	0	0	0	0	109	0	127	77	110	0	149	74	101	0	127	76	113	0	136	88	0	0	0	0	0	0
2000	177	0	175	0	228	0	227	0	0	0	0	0	103	0	125	79	107	0	134	79	99	0	119	78	109	0	126	84	0	0	0	0	0	0
2100	192	0	184	0	245	0	247	0	0	0	0	0	105	0	126	84	109	0	138	75	102	0	124	80	114	0	129	87	0	0	0	0	0	0
2200	202	0	191	0	247	0	249	0	0	0	0	0	112	0	138	88	116	0	151	85	108	0	130	86	120	0	139	96	0	0	0	0	0	0
2300	244	0	235	0	296	0	299	0	0	0	0	0	115	0	129	86	120	0	140	79	112	0	127	91	125	0	143	97	0	0	0	0	0	0
2400	235	0	228	0	281	0	290	0	0	0	0	0	114	0	127	98	119	0	137	81	111	0	131	89	124	0	143	87	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	348	0	350	0	341	0	341	0	0	0	0	0	-7	0	-9	0	0	0	0	0	315	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	347	0	347	0	339	0	338	0	0	0	0	0	-7	0	-7	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	341	0	341	0	334	0	334	0	0	0	0	0	-5	0	-7	0	0	0	0	0	311	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	336	0	336	0	330	0	329	0	0	0	0	0	-5	0	-5	0	0	0	0	0	435	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	332	0	332	0	329	0	329	0	0	0	0	0	-3	0	-3	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	332	0	332	0	327	0	327	0	0	0	0	0	-5	0	-7	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	330	0	332	0	325	0	325	0	0	0	0	0	-7	0	-7	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	332	0	334	0	327	0	325	0	0	0	0	0	-7	0	-7	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	339	0	341	0	330	0	330	0	0	0	0	0	-7	0	-9	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	345	0	347	0	336	0	336	0	0	0	0	0	-9	0	-9	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	338	0	338	0	330	0	329	0	0	0	0	0	-9	0	-9	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	343	0	343	0	336	0	336	0	0	0	0	0	-7	0	-7	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	332	0	334	0	327	0	327	0	0	0	0	0	-7	0	-7	0	0	0	0	0	569	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	336	0	336	0	329	0	327	0	0	0	0	0	-7	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	336	0	338	0	329	0	329	0	0	0	0	0	-7	0	-9	0	0	0	0	0	304	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	341	0	341	0	334	0	332	0	0	0	0	0	-7	0	-9	0	0	0	0	0	311	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	347	0	347	0	338	0	336	0	0	0	0	0	-9	0	-9	0	0	0	0	0	238	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	343	0	345	0	336	0	336	0	0	0	0	0	-7	0	-7	0	0	0	0	0	304	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	341	0	341	0	334	0	332	0	0	0	0	0	-7	0	-7	0	0	0	0	0	304	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	339	0	339	0	332	0	330	0	0	0	0	0	-7	0	-7	0	0	0	0	0	299	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	339	0	339	0	332	0	330	0	0	0	0	0	-7	0	-7	0	0	0	0	0	221	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	334	0	336	0	330	0	329	0	0	0	0	0	-5	0	-7	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	336	0	336	0	330	0	329	0	0	0	0	0	-5	0	-7	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	332	0	334	0	327	0	327	0	0	0	0	0	-5	0	-7	0	0	0	0	0	323	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 SPD6		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
100	191	0	180	0	242	0	246	0	0	0	0	0	108	0	128	93	111	0	137	82	105	0	122	82	116	0	133	93	0	0	0	0	0	0
200	217	0	203	0	278	0	282	0	0	0	0	0	107	0	125	80	111	0	141	83	105	0	133	89	117	0	139	98	0	0	0	0	0	0
300	210	0	202	0	266	0	274	0	0	0	0	0	111	0	125	95	118	0	145	87	109	0	125	99	120	0	135	102	0	0	0	0	0	0
400	152	0	145	0	185	0	190	0	0	0	0	0	115	0	132	95	122	0	144	92	110	0	132	89	121	0	155	93	0	0	0	0	0	0
500	178	0	176	0	210	0	220	0	0	0	0	0	119	0	144	96	126	0	153	102	119	0	145	101	131	0	144	116	0	0	0	0	0	0
600	189	0	188	0	226	0	232	0	0	0	0	0	119	0	133	103	126	0	148	107	122	0	138	110	135	0	148	122	0	0	0	0	0	0
700	176	0	174	0	220	0	225	0	0	0	0	0	123	0	139	108	129	0	148	106	125	0	145	110	138	0	153	123	0	0	0	0	0	0
800	103	0	102	0	129	0	136	0	0	0	0	0	122	0	153	95	129	0	164	88	126	0	145	111	139	0	156	126	0	0	0	0	0	0
900	155	0	156	0	184	0	194	0	0	0	0	0	122	0	139	108	129	0	153	112	126	0	144	109	138	0	155	126	0	0	0	0	0	0
1000	168	0	166	0	190	0	198	0	0	0	0	0	120	0	139	105	126	0	141	106	122	0	141	109	134	0	154	122	0	0	0	0	0	0
1100	147	0	150	0	185	0	191	0	0	0	0	0	128	0	146	101	136	0	175	107	131	0	151	108	144	0	164	125	0	0	0	0	0	0
1200	126	0	134	0	165	0	176	0	0	0	0	0	130	0	178	89	139	0	174	98	137	0	165	108	149	0	174	126	0	0	0	0	0	0
1300	36	0	32	0	48	0	47	0	0	0	0	0	170	0	243	110	175	0	258	118	167	0	212	120	179	0	231	143	0	0	0	0	0	0
1400	28	0	26	0	32	0	32	0	0	0	0	0	256	0	303	205	259	0	319	195	217	0	229	209	227	0	257	208	0	0	0	0	0	0
1500	29	0	29	0	34	0	38	0	0	0	0	0	94	0	150	53	99	3	154	51	97	0	135	63	107	0	152	74	0	0	0	0	0	0
1600	38	0	36	0	45	0	47	0	0	0	0	0	83	0	114	50	88	0	132	52	94	0	117	70	106	0	129	75	0	0	0	0	0	0
1700	60	0	57	0	69	0	70	0	0	0	0	0	103	0	131	80	109	0	138	75	96	0	110	69	107	0	125	87	0	0	0	0	0	0
1800	62	0	61	0	70	0	74	0	0	0	0	0	118	0	145	96	126	0	152	87	119	0	136	102	131	0	147	113	0	0	0	0	0	0
1900	66	0	62	0	82	0	82	0	0	0	0	0	97	0	131	78	103	0	132	79	92	0	110	76	123	0	126	68	0	0	0	0	0	0
2000	80	0	74	0	100	0	100	0	0	0	0	0	98	0	118	74	105	0	135	73	93	0	115	84	104	0	118	92	0	0	0	0	0	0
2100	87	0	81	0	98	0	104	0	0	0	0	0	114	0	132	100	121	0	144	88	112	0	129	93	124	0	141	106	0	0	0	0	0	0
2200	49	0	49	0	65	0	70	0	0	0	0	0	132	0	165	105	141	0	192	110	136	0	164	115	148	0	181	130	0	0	0	0	0	0
2300	19	0	16	0	30	0	30	0	0	0	0	0	229	0	250	195	233	0	263	199	213	0	226	209	223	0	243	194	0	0	0	0	0	0
2400	31	0	21	0	51	0	48	0	0	0	0	0	208	0	240	165	212	3	248	138	202	0	214	196	213	0	222	202	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		D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1 DEWSOS	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	330	0	332	0	325	0	325	0	0	0	0	0	-5	0	-7	0	0	0	0	0	323	2	0	0	0	0	0	0	0	0	0	0	0	0		
200	329	0	329	0	323	0	321	0	0	0	0	0	-5	0	-7	0	0	0	0	0	321	2	0	0	0	0	0	0	0	0	0	0	0	0		
300	329	0	329	0	321	0	320	0	0	0	0	0	-7	0	-7	0	0	0	0	0	321	2	0	0	0	0	0	0	0	0	0	0	0	0		
400	330	0	332	0	325	0	325	0	0	0	0	0	-5	0	-7	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0		
500	334	0	334	0	329	0	329	0	0	0	0	0	-5	0	-7	0	0	0	0	0	329	2	0	0	0	0	0	0	0	0	0	0	0	0		
600	338	0	338	0	330	0	329	0	0	0	0	0	-5	0	-7	0	0	0	0	0	327	2	0	0	0	0	0	0	0	0	0	0	0	0		
700	339	0	339	0	332	0	330	0	0	0	0	0	-7	0	-7	0	0	0	0	0	323	2	0	0	0	0	0	0	0	0	0	0	0	0		
800	341	0	343	0	334	0	334	0	0	0	0	0	-7	0	-7	0	0	0	0	0	777	2	0	0	0	0	0	0	0	0	0	0	0	0		
900	345	0	345	0	336	0	336	0	0	0	0	0	-7	0	-9	0	0	0	0	0	-160	2	0	0	0	0	0	0	0	0	0	0	0	0		
1000	354	0	356	0	345	0	345	0	0	0	0	0	-9	0	-10	0	0	0	0	0	-148	2	0	0	0	0	0	0	0	0	0	0	0	0		
1100	368	0	370	0	357	0	356	0	0	0	0	0	-10	0	-12	0	0	0	0	0	-131	2	0	0	0	0	0	0	0	0	0	0	0	0		
1200	386	0	388	0	374	0	374	0	0	0	0	0	-12	0	-14	0	0	0	0	0	-65	2	0	0	0	0	0	0	0	0	0	0	0	0		
1300	406	0	408	0	386	0	386	0	0	0	0	0	-18	0	-19	0	0	0	0	0	827	2	0	0	0	0	0	0	0	0	0	0	0	0		
1400	393	0	393	0	388	0	388	0	0	0	0	0	-3	0	-5	0	0	0	0	0	383	2	0	0	0	0	0	0	0	0	0	0	0	0		
1500	410	0	410	0	395	0	393	0	0	0	0	0	-14	0	-14	0	0	0	0	0	386	2	0	0	0	0	0	0	0	0	0	0	0	0		
1600	406	0	406	0	395	0	393	0	0	0	0	0	-10	0	-10	0	0	0	0	0	379	2	0	0	0	0	0	0	0	0	0	0	0	0		
1700	410	0	411	0	399	0	399	0	0	0	0	0	-10	0	-10	0	0	0	0	0	368	2	0	0	0	0	0	0	0	0	0	0	0	0		
1800	404	0	404	0	395	0	393	0	0	0	0	0	-7	0	-8	0	0	0	0	0	361	2	0	0	0	0	0	0	0	0	0	0	0	0		
1900	397	0	397	0	388	0	388	0	0	0	0	0	-7	0	-9	0	0	0	0	0	357	2	0	0	0	0	0	0	0	0	0	0	0	0		
2000	384	0	386	0	379	0	377	0	0	0	0	0	-7	0	-7	0	0	0	0	0	352	2	0	0	0	0	0	0	0	0	0	0	0	0		
2100	381	0	381	0	374	0	372	0	0	0	0	0	-7	0	-7	0	0	0	0	0	350	2	0	0	0	0	0	0	0	0	0	0	0	0		
2200	377	0	377	0	368	0	368	0	0	0	0	0	-7	0	-9	0	0	0	0	0	350	2	0	0	0	0	0	0	0	0	0	0	0	0		
2300	375	0	375	0	370	0	368	0	0	0	0	0	-5	0	-5	0	0	0	0	0	354	2	0	0	0	0	0	0	0	0	0	0	0	0		
2400	375	0	377	0	372	0	370	0	0	0	0	0	-5	0	-7	0	0	0	0	0	350	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

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HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	79	0	79	0	91	0	98	0	0	0	0	0	263	0	289	237	265	0	289	235	278	0	288	267	282	0	294	269	0	0	0	0	0	0
200	60	0	56	0	89	0	99	0	0	0	0	0	294	0	329	250	291	0	328	242	300	0	330	260	303	0	325	260	0	0	0	0	0	0
300	48	0	46	0	86	0	92	0	0	0	0	0	277	0	353	221	277	0	343	221	282	0	320	255	289	0	320	259	0	0	0	0	0	0
400	58	0	55	0	93	0	100	0	0	0	0	0	234	0	259	206	237	0	267	207	252	0	258	232	258	0	269	242	0	0	0	0	0	0
500	77	0	74	0	124	0	132	0	0	0	0	0	237	0	273	208	241	0	278	206	241	0	250	219	248	0	263	232	0	0	0	0	0	0
600	76	0	79	0	118	0	127	0	0	0	0	0	265	0	290	231	267	0	296	228	258	0	264	246	264	0	278	248	0	0	0	0	0	0
700	150	0	150	0	229	0	237	0	0	0	0	0	261	0	289	240	263	0	289	220	262	0	271	240	269	0	276	250	0	0	0	0	0	0
800	177	0	177	0	219	0	222	0	0	0	0	0	268	0	294	243	267	0	297	237	274	0	300	250	278	0	299	250	0	0	0	0	0	0
900	173	0	165	0	201	0	209	0	0	0	0	0	273	0	303	243	274	0	318	243	281	0	326	248	283	0	324	242	0	0	0	0	0	0
1000	237	0	240	0	269	0	280	0	0	0	0	0	269	0	288	259	268	0	294	236	272	0	307	247	276	0	301	242	0	0	0	0	0	0
1100	225	0	226	0	255	0	266	0	0	0	0	0	268	0	288	242	269	0	318	250	272	0	289	251	277	0	290	253	0	0	0	0	0	0
1200	188	0	192	0	220	0	234	0	0	0	0	0	283	0	319	250	281	0	323	242	282	0	329	237	286	0	327	250	0	0	0	0	0	0
1300	259	0	261	0	273	0	286	0	0	0	0	0	268	0	287	243	267	0	294	247	269	0	294	249	275	0	296	265	0	0	0	0	0	0
1400	241	0	243	0	247	0	261	0	0	0	0	0	267	0	279	259	269	0	285	250	269	0	288	261	275	0	292	258	0	0	0	0	0	0
1500	216	0	217	0	227	0	238	0	0	0	0	0	267	0	281	251	268	0	284	241	268	0	279	258	274	0	283	267	0	0	0	0	0	0
1600	158	0	165	0	211	0	224	0	0	0	0	0	265	0	281	248	266	0	297	237	263	0	269	259	269	0	279	256	0	0	0	0	0	0
1700	151	0	148	0	179	0	186	0	0	0	0	0	272	0	302	243	272	0	301	249	277	0	309	252	280	0	309	238	0	0	0	0	0	0
1800	189	0	178	0	225	0	239	0	0	0	0	0	289	0	312	255	288	0	304	249	288	0	313	253	293	0	316	261	0	0	0	0	0	0
1900	161	0	160	0	200	0	220	0	0	0	0	0	288	0	315	252	285	0	325	255	286	0	321	253	290	0	320	259	0	0	0	0	0	0
2000	157	0	158	0	191	0	211	0	0	0	0	0	285	0	309	259	289	0	323	237	287	0	317	249	291	0	321	256	0	0	0	0	0	0
2100	184	0	177	0	223	0	234	0	0	0	0	0	292	0	31	7	290	0	317	265	294	0	302	251	297	0	312	266	0	0	0	0	0	0
2200	164	0	152	0	218	0	229	0	0	0	0	0	293	0	30		289	0	326	261	300	0	305	293	302	0	307	297	0	0	0	0	0	0
2300	153	0	137	0	197	0	202	0	0	0	0	0	291	0	30		290	0	330	260	299	0	305	292	301	0	307	297	0	0	0	0	0	0
2400	131	0	123	0	186	0	192	0	0	0	0	0	296	0	34		299	0	315	272	302	0	307	295	303	0	309	298	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	347	0	347	0	359	0	359	0	0	0	0	0	7	0	7	0	0	0	0	0	327	2	0	0	0	0	0	0	0	0	0	0	0	0
200	341	0	343	0	336	0	334	0	0	0	0	0	-5	0	-7	0	0	0	0	0	789	2	0	0	0	0	0	0	0	0	0	0	0	0
300	345	0	345	0	359	0	357	0	0	0	0	0	14	0	12	0	0	0	0	0	789	2	0	0	0	0	0	0	0	0	0	0	0	0
400	343	0	343	0	365	0	363	0	0	0	0	0	21	0	19	0	0	0	0	0	220	2	0	0	0	0	0	0	0	0	0	0	0	0
500	361	0	361	0	366	0	366	0	0	0	0	0	7	0	5	0	0	0	0	0	247	2	0	0	0	0	0	0	0	0	0	0	0	0
600	339	0	339	0	343	0	341	0	0	0	0	0	3	0	3	0	0	0	0	0	789	2	0	0	0	0	0	0	0	0	0	0	0	0
700	345	0	345	0	343	0	343	0	0	0	0	0	1	0	-1	0	0	0	0	0	-74	2	0	0	0	0	0	0	0	0	0	0	0	0
800	345	0	343	0	338	0	336	0	0	0	0	0	-7	0	-7	0	0	0	0	0	207	2	0	0	0	0	0	0	0	0	0	0	0	0
900	341	0	343	0	330	0	329	0	0	0	0	0	-10	0	-12	0	0	0	0	0	789	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	334	0	334	0	323	0	323	0	0	0	0	0	-9	0	-10	0	0	0	0	0	789	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	330	0	330	0	320	0	320	0	0	0	0	0	-9	0	-10	0	0	0	0	0	336	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	323	0	325	0	315	0	315	0	0	0	0	0	-9	0	-10	0	0	0	0	0	-149	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	315	0	317	0	304	0	304	0	0	0	0	0	-10	0	-10	0	0	0	0	0	216	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	321	0	321	0	313	0	311	0	0	0	0	0	-9	0	-10	0	0	0	0	0	290	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	329	0	330	0	321	0	321	0	0	0	0	0	-9	0	-10	0	0	0	0	0	766	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	330	0	332	0	323	0	323	0	0	0	0	0	-9	0	-10	0	0	0	0	0	782	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	343	0	343	0	336	0	339	0	0	0	0	0	-7	0	-9	0	0	0	0	0	789	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	348	0	348	0	341	0	341	0	0	0	0	0	-5	0	-5	0	0	0	0	0	311	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	348	0	348	0	341	0	341	0	0	0	0	0	-5	0	-7	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	350	0	350	0	343	0	341	0	0	0	0	0	-5	0	-7	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	347	0	347	0	343	0	341	0	0	0	0	0	-3	0	-5	0	0	0	0	0	315	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	343	0	343	0	339	0	339	0	0	0	0	0	-3	0	-5	0	0	0	0	0	317	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	343	0	343	0	338	0	338	0	0	0	0	0	-3	0	-5	0	0	0	0	0	317	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	338	0	339	0	336	0	334	0	0	0	0	0	-3	0	-3	0	0	0	0	0	321	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 DIRECTIONN 5 =FLAT DIRECTION
REPORTING RESOLUTION - TEMPERATURE .1 DEGREES, SPEED .1 MPH, DIRECTION 1 DEGREE, RAINFALL .01 INCHES, NET RADIATION .01 LANGLEY

B-60

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	152	0	145	0	181	0	188	0	0	0	0	0	292	0	321	265	289	0	320	259	299	0	305	263	298	0	312	271	0	0	0	0	0	0
200	115	0	112	0	144	0	155	0	0	0	0	0	291	0	319	256	289	0	330	250	291	0	313	259	299	0	316	261	0	0	0	0	0	0
300	129	0	122	0	160	0	167	0	0	0	0	0	292	0	316	272	289	0	317	260	297	0	310	272	298	0	305	270	0	0	0	0	0	0
400	146	0	140	0	168	0	179	0	0	0	0	0	292	0	313	253	291	0	328	253	292	0	319	257	295	0	315	268	0	0	0	0	0	0
500	143	0	138	0	163	0	170	0	0	0	0	0	292	0	317	267	289	0	321	263	295	0	320	269	297	0	317	274	0	0	0	0	0	0
600	119	0	110	0	132	0	138	0	0	0	0	0	272	0	328	240	270	0	328	222	276	0	300	245	281	0	305	249	0	0	0	0	0	0
700	94	0	93	0	129	0	126	0	0	0	0	0	272	0	302	231	271	0	318	231	279	0	316	246	282	0	323	236	0	0	0	0	0	0
800	106	0	104	0	133	0	139	0	0	0	0	0	270	0	320	241	270	0	311	232	278	0	325	242	282	0	328	249	0	0	0	0	0	0
900	102	0	98	0	126	0	135	0	0	0	0	0	281	0	323	252	280	0	317	240	288	0	327	250	290	0	318	255	0	0	0	0	0	0
1000	117	0	113	0	136	0	142	0	0	0	0	0	268	0	310	233	267	0	306	230	272	0	294	248	276	0	302	244	0	0	0	0	0	0
1100	123	0	124	0	128	0	137	0	0	0	0	0	264	0	288	243	265	0	290	241	271	0	301	241	276	0	305	254	0	0	0	0	0	0
1200	122	0	121	0	151	0	160	0	0	0	0	0	287	0	267	217	250	0	281	205	251	0	258	244	256	0	262	245	0	0	0	0	0	0
1300	102	0	100	0	144	0	153	0	0	0	0	0	246	0	280	217	248	0	290	206	249	0	268	232	259	0	269	231	0	0	0	0	0	0
1400	80	0	84	0	99	0	109	0	0	0	0	0	262	0	294	230	265	0	289	222	257	0	282	205	261	0	281	218	0	0	0	0	0	0
1500	64	0	63	0	69	0	72	0	0	0	0	0	280	0	322	252	279	0	324	220	282	0	307	239	286	0	318	231	0	0	0	0	0	0
1600	59	0	52	0	69	0	73	0	0	0	0	0	302	0	349	279	296	0	328	259	306	0	329	295	307	0	316	297	0	0	0	0	0	0
1700	59	0	55	0	58	0	59	0	0	0	0	0	342	0	24	306	340	0	25	295	355	0	35	317	358	0	31	320	0	0	0	0	0	0
1800	25	0	25	0	37	0	40	0	0	0	0	0	344	3	40	283	342	3	39	288	351	0	32	319	353	0	27	301	0	0	0	0	0	0
1900	18	0	16	0	27	0	29	0	0	0	0	0	18	3	36	3	17	3	41	355	346	0	346	346	348	0	351	343	0	0	0	0	0	0
2000	15	0	15	0	29	0	33	0	0	0	0	0	93	3	120	59	102	3	130	66	29	3	26	22	41	0	57	31	0	0	0	0	0	0
2100	0	4	55	2	7	0	8	0	0	0	0	0	148	0	247	109	169	0	298	113	25	3	25	25	37	3	38	35	0	0	0	0	0	0
2200	42	0	39	0	37	0	35	0	0	0	0	0	222	0	238	208	226	0	240	210	219	0	216	212	224	0	228	219	0	0	0	0	0	0
2300	55	0	45	0	38	0	31	0	0	0	0	0	191	0	199	179	196	0	236	148	185	0	193	180	191	0	212	183	0	0	0	0	0	0
2400	65	0	56	0	54	0	47	0	0	0	0	0	189	0	215	167	192	0	236	148	181	0	188	178	191	0	194	185	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 DEW3DS	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	338	0	338	0	330	0	330	0	0	0	0	0	-5	0	-7	0	0	0	0	0	317	2	0	0	0	0	0	0	0	0	0	0	0	0
200	336	0	336	0	329	0	329	0	0	0	0	0	-7	0	-7	0	0	0	0	0	311	2	0	0	0	0	0	0	0	0	0	0	0	0
300	332	0	332	0	325	0	325	0	0	0	0	0	-7	0	-7	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0
400	334	0	334	0	327	0	327	0	0	0	0	0	-7	0	-9	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0
500	329	0	330	0	321	0	320	0	0	0	0	0	-7	0	-9	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0
600	332	0	332	0	325	0	323	0	0	0	0	0	-7	0	-9	0	0	0	0	0	297	2	0	0	0	0	0	0	0	0	0	0	0	0
700	330	0	330	0	323	0	323	0	0	0	0	0	-7	0	-9	0	0	0	0	0	301	2	0	0	0	0	0	0	0	0	0	0	0	0
800	330	0	330	0	321	0	321	0	0	0	0	0	-7	0	-9	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0
900	336	0	338	0	325	0	325	0	0	0	0	0	-9	0	-9	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	339	0	341	0	329	0	329	0	0	0	0	0	-10	0	-12	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	342	0	343	0	337	0	335	0	0	0	0	0	-12	0	-12	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	348	0	350	0	327	0	327	0	0	0	0	0	-14	0	-18	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	359	0	361	0	336	0	336	0	0	0	0	0	-21	0	-23	0	0	0	0	0	263	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	370	0	374	0	363	0	363	0	0	0	0	0	-21	0	-23	0	0	0	0	0	310	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	388	0	392	0	368	0	370	0	0	0	0	0	-7	0	-9	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	406	0	410	0	384	0	383	0	0	0	0	0	-19	0	-21	0	0	0	0	0	838	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	388	0	388	0	377	0	375	0	0	0	0	0	-21	0	-25	0	0	0	0	0	268	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	390	0	392	0	379	0	377	0	0	0	0	0	-10	0	-12	0	0	0	0	0	450	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	350	0	348	0	356	0	354	0	0	0	0	0	-10	0	-12	0	0	0	0	0	824	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	347	0	348	0	357	0	356	0	0	0	0	0	5	0	5	0	0	0	0	0	836	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	330	0	329	0	341	0	339	0	0	0	0	0	10	0	9	0	0	0	0	0	800	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	352	0	352	0	365	0	363	0	0	0	0	0	10	0	10	0	0	0	0	0	241	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	354	0	354	0	370	0	368	0	0	0	0	0	12	0	10	0	0	0	0	0	265	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	352	0	352	0	372	0	372	0	0	0	0	0	16	0	14	0	0	0	0	0	272	2	0	0	0	0	0	0	0	0	0	0	0	0
													19	0	19	0	0	0	0	0	272	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

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HOUR	WIND SPD1 50 A S	WIND SPD2 50 B S	WIND SPD3 150A S	WIND SPD4 150B S	WIND SPD5 S	WIND SPD6 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
100	71 0	56 0	112 0	88 0	0 0	0 0	192 0	220	134	197 0	239	149	195 0	200	189	202 0	218	194	0 0	0	0	0
200	80 0	60 0	83 0	79 0	0 0	0 0	200 0	216	182	205 0	238	150	215 0	227	206	223 0	233	211	0 0	0	0	0
300	70 0	54 0	86 0	99 0	0 0	0 0	197 0	220	179	201 0	235	150	220 0	227	217	229 0	35	225	0 0	0	0	0
400	83 0	69 0	125 0	119 0	0 0	0 0	198 0	239	162	200 0	249	151	206 0	219	200	215 0	221	209	0 0	0	0	0
500	79 0	62 0	109 0	117 0	0 0	0 0	196 0	219	168	197 0	231	149	228 0	251	206	235 0	257	209	0 0	0	0	0
600	81 0	59 0	126 0	136 0	0 0	0 0	201 0	215	179	202 0	229	150	225 0	235	217	232 0	239	227	0 0	0	0	0
700	72 0	59 0	143 0	130 0	0 0	0 0	188 0	217	169	189 0	229	151	204 0	211	198	212 0	219	205	0 0	0	0	0
800	69 0	57 0	160 0	138 0	0 0	0 0	189 0	231	99	196 0	252	116	198 0	220	181	206 0	217	192	0 0	0	0	0
900	53 0	95 0	75 0	72 0	0 0	0 0	214 0	263	129	218 0	267	136	215 0	268	156	222 0	269	158	0 0	0	0	0
1000	82 0	79 0	108 0	113 0	0 0	0 0	239 0	306	192	242 0	278	193	237 0	278	198	241 0	276	193	0 0	0	0	0
1100	109 0	105 0	141 0	152 0	0 0	0 0	258 0	282	221	261 0	290	225	259 0	277	216	259 0	271	243	0 0	0	0	0
1200	95 0	93 0	113 0	120 0	0 0	0 0	260 0	280	230	263 0	283	233	260 0	278	234	266 0	278	256	0 0	0	0	0
1300	81 0	80 0	97 0	109 0	0 0	0 0	265 0	286	245	267 0	297	240	269 0	283	220	269 0	289	227	0 0	0	0	0
1400	81 0	81 0	108 0	117 0	0 0	0 0	263 0	291	232	263 0	290	223	260 0	279	227	265 0	291	237	0 0	0	0	0
1500	65 0	64 0	74 0	80 0	0 0	0 0	293 0	275	199	298 0	287	203	256 0	278	213	291 0	269	216	0 0	0	0	0
1600	69 0	61 0	70 0	76 0	0 0	0 0	266 0	286	237	267 0	305	293	261 0	271	299	266 0	273	253	0 0	0	0	0
1700	53 0	52 0	75 0	80 0	0 0	0 0	253 0	281	205	258 0	297	210	253 0	289	229	258 0	272	228	0 0	0	0	0
1800	73 0	63 0	97 0	94 0	0 0	0 0	231 0	272	195	233 0	278	205	217 0	296	180	224 0	252	186	0 0	0	0	0
1900	73 0	57 0	121 0	107 0	0 0	0 0	208 0	252	160	210 0	256	148	203 0	223	173	210 0	233	188	0 0	0	0	0
2000	61 0	53 0	129 0	101 0	0 0	0 0	179 0	299	148	177 0	222	101	189 0	209	171	192 0	205	185	0 0	0	0	0
2100	80 0	67 0	162 0	126 0	0 0	0 0	186 0	230	153	190 0	255	153	190 0	205	172	197 0	219	182	0 0	0	0	0
2200	89 0	79 0	166 0	135 0	0 0	0 0	177 0	207	135	179 0	238	129	185 0	200	161	193 0	218	177	0 0	0	0	0
2300	86 0	73 0	168 0	136 0	0 0	0 0	185 0	232	140	189 0	243	135	188 0	208	169	196 0	217	172	0 0	0	0	0
2400	96 0	73 0	162 0	140 0	0 0	0 0	206 0	261	169	210 0	262	155	202 0	227	176	209 0	234	188	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 DEW30S S	MISC 2 S	MISC 3 S	MISC 4 S	MISC 5 S	MISC 6 S	MISC 7 S	RAIN S
100	339 0	339 0	372 0	370 0	0 0	0 0	36 0	36 0	0 0	0 0	266 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
200	341 0	341 0	377 0	377 0	0 0	0 0	36 0	36 0	0 0	0 0	252 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
300	332 0	332 0	379 0	377 0	0 0	0 0	46 0	46 0	0 0	0 0	266 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
400	327 0	327 0	375 0	379 0	0 0	0 0	46 0	46 0	0 0	0 0	220 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
500	327 0	329 0	377 0	377 0	0 0	0 0	50 0	50 0	0 0	0 0	257 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
600	325 0	325 0	375 0	374 0	0 0	0 0	50 0	50 0	0 0	0 0	259 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
700	321 0	321 0	372 0	370 0	0 0	0 0	50 0	50 0	0 0	0 0	292 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
800	339 0	341 0	398 0	398 0	0 0	0 0	10 0	9 0	0 0	0 0	295 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
900	384 0	386 0	370 0	368 0	0 0	0 0	-14 0	-18 0	0 0	0 0	295 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1000	390 0	390 0	379 0	379 0	0 0	0 0	-16 0	-18 0	0 0	0 0	299 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1100	383 0	389 0	375 0	375 0	0 0	0 0	-7 0	-9 0	0 0	0 0	288 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1200	390 0	392 0	381 0	383 0	0 0	0 0	-9 0	-9 0	0 0	0 0	290 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1300	399 0	401 0	397 0	397 0	0 0	0 0	-1 0	-3 0	0 0	0 0	274 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1400	410 0	411 0	406 0	406 0	0 0	0 0	-3 0	-5 0	0 0	0 0	277 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1500	455 0	458 0	431 0	431 0	0 0	0 0	-21 0	-25 0	0 0	0 0	265 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1600	469 0	467 0	453 0	453 0	0 0	0 0	-9 0	-10 0	0 0	0 0	858 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1700	473 0	474 0	469 0	467 0	0 0	0 0	-5 0	-7 0	0 0	0 0	879 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1800	489 0	491 0	478 0	478 0	0 0	0 0	-10 0	-12 0	0 0	0 0	883 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1900	476 0	476 0	478 0	476 0	0 0	0 0	1 0	1 0	0 0	0 0	872 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2000	451 0	449 0	462 0	460 0	0 0	0 0	10 0	10 0	0 0	0 0	310 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2100	437 0	437 0	447 0	446 0	0 0	0 0	10 0	9 0	0 0	0 0	310 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2200	428 0	428 0	437 0	435 0	0 0	0 0	9 0	9 0	0 0	0 0	313 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2300	429 0	429 0	437 0	435 0	0 0	0 0	7 0	5 0	0 0	0 0	289 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2400	431 0	431 0	436 0	437 0	0 0	0 0	7 0	7 0	0 0	0 0	288 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

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HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	101	0	85	0	152	0	135	0	0	0	0	0	219	0	278	186	221	0	265	173	208	0	238	187	217	0	243	185	0	0	0	0	0	0
200	132	0	111	0	185	0	167	0	0	0	0	0	216	0	247	167	222	0	260	143	210	0	246	189	218	0	243	200	0	0	0	0	0	0
300	99	0	72	0	148	0	128	0	0	0	0	0	203	0	250	158	209	0	251	131	199	0	237	174	207	0	232	181	0	0	0	0	0	0
400	90	0	72	0	162	0	141	0	0	0	0	0	200	0	252	138	205	0	267	135	199	0	231	169	207	0	239	187	0	0	0	0	0	0
500	81	0	63	0	131	0	119	0	0	0	0	0	209	0	248	151	211	0	267	162	203	0	229	173	212	0	228	192	0	0	0	0	0	0
600	99	0	86	0	139	0	139	0	0	0	0	0	226	0	303	187	230	0	267	172	221	0	244	200	227	0	248	200	0	0	0	0	0	0
700	110	0	98	0	169	0	165	0	0	0	0	0	228	0	289	202	234	0	278	203	222	0	243	201	230	0	250	197	0	0	0	0	0	0
800	66	0	54	0	127	0	108	0	0	0	0	0	188	0	244	107	192	0	256	97	194	0	232	176	202	0	237	184	0	0	0	0	0	0
900	115	0	111	0	172	0	177	0	0	0	0	0	236	0	271	205	238	0	295	198	232	0	261	203	237	0	260	221	0	0	0	0	0	0
1000	129	0	119	0	185	0	199	0	0	0	0	0	234	0	261	200	239	0	278	189	232	0	261	198	238	0	260	209	0	0	0	0	0	0
1100	151	0	152	0	210	0	220	0	0	0	0	0	245	0	262	230	249	0	270	227	252	0	260	244	258	0	263	248	0	0	0	0	0	0
1200	119	0	119	0	182	0	182	0	0	0	0	0	248	0	278	232	251	0	281	217	262	0	271	249	268	0	275	251	0	0	0	0	0	0
1300	91	0	92	0	108	0	115		0	0	0	0	256	0	276	212	259	0	285	233	267	0	282	250	271	0	284	258	0	0	0	0	0	0
1400	69	0	69	0	60	0	63	0	0	0	0	0	274	0	295	249	273	0	300	244	277	0	300	251	281	0	299	288	0	0	0	0	0	0
1500	48	0	48	0	68	0	72	0	0	0	0	0	310	0	347	208	304	0	345	217	315	0	339	288	318	0	333	303	0	0	0	0	0	0
1600	29	0	25	0	35	0	36	0	0	0	0	0	306	3	355	205	301	3	350	193	335	0	355	293	353	0	11	277	0	0	0	0	0	0
1700	28	0	26	0	29	0	26	0	0	0	0	0	314	0	349	256	310	3	356	238	325	0	338	294	325	0	355	295	0	0	0	0	0	0
1800	12	0	11	0	15	0	16	0	0	0	0	0	333	3	31	270	334	3	49	276	329	5	341	296	321	5	13	291	0	0	0	0	0	0
1900	11	0	10	0	25	0	27	0	0	0	0	0	322	3	30	274	317	3	17	272	325	0	327	323	312	0	329	305	0	0	0	0	0	0
2000	29	0	27	0	38	0	43	0	0	0	0	0	278	0	318	233	279	0	316	231	293	0	316	271	296	0	315	269	0	0	0	0	0	0
2100	44	0	41	0	63	0	66	0	0	0	0	0	293	0	334	275	291	0	318	269	307	0	313	294	309	0	315	299	0	0	0	0	0	0
2200	44	0	47	0	63	0	66	0	0	0	0	0	293	0	306	260	293	0	308	253	307	0	327	282	309	0	322	281	0	0	0	0	0	0
2300	49	0	48	0	57	0	61	0	0	0	0	0	276	0	303	253	274	0	316	250	297	0	323	268	300	0	316	279	0	0	0	0	0	0
2400	52	0	51	0	57	0	62	0	0	0	0	0	249	0	271	228	251	0	272	209	273	0	279	261	276	0	282	265	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	440	0	440	0	440	0	438	0	0	0	0	0	0	0	0	0	0	0	0	0	283	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	453	0	453	0	447	0	446	0	0	0	0	0	-3	0	-5	0	0	0	0	0	250	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	442	0	442	0	438	0	437	0	0	0	0	0	-3	0	-5	0	0	0	0	0	250	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	437	0	437	0	437	0	435	0	0	0	0	0	0	0	1	0	0	0	0	0	893	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	433	0	433	0	428	0	426	0	0	0	0	0	-5	0	-5	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	429	0	429	0	426	0	426	0	0	0	0	0	-3	0	-3	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	399	0	399	0	397	0	397	0	0	0	0	0	0	0	1	0	0	0	0	0	370	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	393	0	393	0	392	0	390	0	0	0	0	0	1	0	-1	0	0	0	0	0	983	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	410	0	410	0	402	0	402	0	0	0	0	0	-7	0	-7	0	0	0	0	0	368	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	420	0	420	0	410	0	410	0	0	0	0	0	-9	0	-10	0	0	0	0	0	205	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	417	0	419	0	417	0	415	0	0	0	0	0	0	0	1	0	0	0	0	0	-112	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	411	0	413	0	413	0	413	0	0	0	0	0	1	0	0	0	0	0	0	0	-99	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	431	0	433	0	429	0	429	0	0	0	0	0	0	0	-1	0	0	0	0	0	160	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	462	0	464	0	451	0	451	0	0	0	0	0	-9	0	-10	0	0	0	0	0	894	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	460	0	464	0	447	0	446	0	0	0	0	0	-12	0	-14	0	0	0	0	0	730	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	474	0	476	0	451	0	453	0	0	0	0	0	-21	0	-23	0	0	0	0	0	707	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	473	0	474	0	460	0	460	0	0	0	0	0	-10	0	-14	0	0	0	0	0	489	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	465	0	467	0	453	0	451	0	0	0	0	0	-10	0	-14	0	0	0	0	0	869	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	431	0	428	0	435	0	433	0	0	0	0	0	5	0	7	0	0	0	0	0	858	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	428	0	428	0	437	0	433	0	0	0	0	0	7	0	7	0	0	0	0	0	313	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	429	0	429	0	433	0	431	0	0	0	0	0	3	0	1	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	426	0	426	0	426	0	424	0	0	0	0	0	0	0	0	0	0	0	0	0	309	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	413	0	413	0	415	0	413	0	0	0	0	0	1	0	1	0	0	0	0	0	309	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	404	0	404	0	413	0	411	0	0	0	0	0	9	0	9	0	0	0	0	0	306	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 SPD6	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
100	53	0	52	0	68	0	70	0	0	0	0	0	295	0	317	265	299	0	312	269	309	0	332	299	311	0	330	297	0	0	0	0	0	0
200	58	0	54	0	81	0	80	0	0	0	0	0	342	0	13	301	340	0	18	298	353	0	9	340	357	0	18	344	0	0	0	0	0	0
300	66	0	65	0	99	0	98	0	0	0	0	0	347	0	15	314	345	0	21	305	358	0	18	340	2	0	22	343	0	0	0	0	0	0
400	72	0	66	0	114	0	113	0	0	0	0	0	12	0	62	322	10	0	51	323	6	0	39	339	9	0	41	307	0	0	0	0	0	0
500	74	0	75	0	103	0	107	0	0	0	0	0	45	0	76	23	44	0	84	17	39	0	70	15	45	0	73	21	0	0	0	0	0	0
600	53	0	52	0	72	0	75	0	0	0	0	0	42	0	68	23	40	0	63	10	39	0	54	18	45	0	67	27	0	0	0	0	0	0
700	47	0	44	0	71	0	72	0	0	0	0	0	18	0	46	331	15	0	61	323	23	0	38	3	28	0	54	7	0	0	0	0	0	0
800	61	0	60	0	77	0	79	0	0	0	0	0	36	0	62	15	34	0	61	3	35	0	52	18	41	0	63	23	0	0	0	0	0	0
900	51	0	48	0	66	0	68	0	0	0	0	0	18	0	86	325	16	0	76	310	7	0	46	339	10	0	48	322	0	0	0	0	0	0
1000	66	0	63	0	97	0	96	0	0	0	0	0	21	0	60	336	19	0	58	296	9	0	44	337	11	0	60	311	0	0	0	0	0	0
1100	112	0	106	0	144	0	145	0	0	0	0	0	341	0	4	313	337	0	14	299	344	0	1	350	347	0	7	322	0	0	0	0	0	0
1200	111	0	105	0	151	0	148	0	0	0	0	0	350	0	39	314	347	0	50	283	351	0	48	313	354	0	30	308	0	0	0	0	0	0
1300	132	0	125	0	168	0	167	0	0	0	0	0	344	0	7	318	343	0	23	309	345	0	15	329	349	0	21	327	0	0	0	0	0	0
1400	127	0	124	0	160	0	160	0	0	0	0	0	338	0	8	298	336	0	6	309	338	0	6	304	342	0	357	315	0	0	0	0	0	0
1500	116	0	109	0	145	0	143	0	0	0	0	0	340	0	10	317	337	0	29	294	341	0	2	317	344	0	9	326	0	0	0	0	0	0
1600	98	0	96	0	128	0	129	0	0	0	0	0	337	0	11	301	339	0	7	294	347	0	18	327	349	0	13	325	0	0	0	0	0	0
1700	67	0	63	0	90	0	89	0	0	0	0	0	353	0	75	282	359	0	136	273	354	0	41	316	356	0	41	309	0	0	0	0	0	0
1800	68	0	65	0	105	0	108	0	0	0	0	0	12	0	77	316	11	0	76	305	357	0	39	312	4	0	47	312	0	0	0	0	0	0
1900	90	0	84	0	113	0	111	0	0	0	0	0	26	0	55	336	29	0	52	348	14	0	40	333	18	0	66	349	0	0	0	0	0	0
2000	85	0	79	0	123	0	119	0	0	0	0	0	18	0	48	340	17	0	61	334	5	0	31	334	11	0	40	337	0	0	0	0	0	0
2100	79	0	74	0	115	0	119	0	0	0	0	0	356	0	67	312	352	0	51	294	355	0	54	307	357	0	42	300	0	0	0	0	0	0
2200	100	0	92	0	142	0	139	0	0	0	0	0	345	0	48	319	340	0	39	287	346	0	21	282	350	0	38	303	0	0	0	0	0	0
2300	174	0	167	0	223	0	223	0	0	0	0	0	323	0	357	293	319	0	353	272	328	0	349	313	331	0	347	315	0	0	0	0	0	0
2400	160	0	154	0	217	0	215	0	0	0	0	0	320	0	344	294	318	0	7	272	328	0	346	316	329	0	342	305	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	401	0	401	0	399	0	399	0	0	0	0	0	0	0	1	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	392	0	392	0	390	0	388	0	0	0	0	0	-1	0	-3	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	375	0	377	0	389	0	389	0	0	0	0	0	9	0	9	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	363	0	363	0	357	0	356	0	0	0	0	0	-5	0	-5	0	0	0	0	0	275	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	352	0	352	0	345	0	343	0	0	0	0	0	-7	0	-7	0	0	0	0	0	266	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	356	0	356	0	348	0	347	0	0	0	0	0	-7	0	-7	0	0	0	0	0	284	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	352	0	352	0	345	0	343	0	0	0	0	0	-7	0	-7	0	0	0	0	0	286	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	347	0	348	0	341	0	339	0	0	0	0	0	-7	0	-7	0	0	0	0	0	293	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	338	0	338	0	330	0	329	0	0	0	0	0	-9	0	-9	0	0	0	0	0	306	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	339	0	341	0	330	0	329	0	0	0	0	0	-9	0	-10	0	0	0	0	0	277	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	334	0	336	0	323	0	323	0	0	0	0	0	-10	0	-12	0	0	0	0	0	283	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	327	0	327	0	315	0	315	0	0	0	0	0	-10	0	-12	0	0	0	0	0	290	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	319	0	319	0	306	0	306	0	0	0	0	0	-10	0	-10	0	0	0	0	0	284	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	320	0	320	0	306	0	306	0	0	0	0	0	-14	0	-14	0	0	0	0	0	277	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	320	0	321	0	308	0	306	0	0	0	0	0	-12	0	-14	0	0	0	0	0	274	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	334	0	336	0	319	0	317	0	0	0	0	0	-18	0	-19	0	0	0	0	0	254	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	330	0	332	0	317	0	317	0	0	0	0	0	-14	0	-16	0	0	0	0	0	798	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	320	0	320	0	308	0	308	0	0	0	0	0	-12	0	-12	0	0	0	0	0	268	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	301	0	301	0	290	0	288	0	0	0	0	0	-10	0	-10	0	0	0	0	0	270	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	297	0	297	0	288	0	286	0	0	0	0	0	-9	0	-9	0	0	0	0	0	275	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	301	0	302	0	292	0	292	0	0	0	0	0	-9	0	-9	0	0	0	0	0	272	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	304	0	304	0	295	0	293	0	0	0	0	0	-9	0	-9	0	0	0	0	0	275	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	304	0	306	0	295	0	293	0	0	0	0	0	-9	0	-10	0	0	0	0	0	266	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	297	0	297	0	286	0	284	0	0	0	0	0	-9	0	-10	0	0	0	0	0	263	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 SPD6	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
100	157	0	153	0	212	0	211	0	0	0	0	0	329	0	354	288	328	0	6	283	333	0	356	319	336	0	356	319	0	0	0	0	0	0
200	163	0	161	0	220	0	221	0	0	0	0	0	317	0	341	297	316	0	348	282	324	0	333	313	327	0	342	315	0	0	0	0	0	0
300	174	0	175	0	251	0	252	0	0	0	0	0	318	0	349	299	319	0	352	271	326	0	342	287	329	0	347	309	0	0	0	0	0	0
400	209	0	209	0	259	0	256	0	0	0	0	0	310	0	329	286	308	0	332	269	318	0	332	305	321	0	338	308	0	0	0	0	0	0
500	157	0	149	0	208	0	209	0	0	0	0	0	23	0	45	0	22	0	47	347	13	0	36	353	18	0	46	349	0	0	0	0	0	0
600	126	0	123	0	205	0	202	0	0	0	0	0	4	0	55	319	5	0	91	311	357	0	49	315	2	0	48	300	0	0	0	0	0	0
700	135	0	125	0	205	0	206	0	0	0	0	0	15	0	85	326	13	0	82	332	4	0	31	328	8	0	35	312	0	0	0	0	0	0
800	142	0	127	0	196	0	193	0	0	0	0	0	349	0	39	315	346	0	48	294	353	0	39	316	358	0	37	324	0	0	0	0	0	0
900	177	0	171	0	249	0	249	0	0	0	0	0	346	0	19	319	345	0	36	297	350	0	20	312	354	0	21	301	0	0	0	0	0	0
1000	183	0	171	0	249	0	238	0	0	0	0	0	349	0	12	318	341	0	29	293	348	0	10	329	352	0	22	329	0	0	0	0	0	0
1100	200	0	193	0	256	0	252	0	0	0	0	0	342	0	18	320	339	0	16	309	347	0	14	328	352	0	35	332	0	0	0	0	0	0
1200	202	0	192	0	258	0	255	0	0	0	0	0	338	0	3	308	336	0	6	305	340	0	354	329	344	0	358	326	0	0	0	0	0	0
1300	201	0	190	0	269	0	268	0	0	0	0	0	337	0	3	301	336	0	17	293	339	0	355	305	343	0	8	320	0	0	0	0	0	0
1400	199	0	189	0	268	0	262	0	0	0	0	0	339	0	1	291	332	0	17	280	337	0	358	299	341	0	356	299	0	0	0	0	0	0
1500	178	0	172	0	231	0	231	0	0	0	0	0	337	0	6	299	336	0	7	281	341	0	2	313	345	0	21	319	0	0	0	0	0	0
1600	202	0	196	0	261	0	259	0	0	0	0	0	345	0	5	312	341	0	23	308	345	0	2	329	349	0	14	328	0	0	0	0	0	0
1700	127	0	121	0	198	0	191	0	0	0	0	0	356	0	58	299	359	0	70	294	358	0	31	322	4	0	48	325	0	0	0	0	0	0
1800	174	0	166	0	230	0	222	0	0	0	0	0	345	0	29	314	341	0	40	287	351	0	17	331	357	0	35	331	0	0	0	0	0	0
1900	131	0	127	0	204	0	202	0	0	0	0	0	1	0	82	329	359	0	62	286	353	0	26	293	359	0	28	321	0	0	0	0	0	0
2000	149	0	139	0	203	0	203	0	0	0	0	0	350	0	49	313	347	0	41	303	349	0	20	315	354	0	30	332	0	0	0	0	0	0
2100	144	0	135	0	200	0	204	0	0	0	0	0	15	0	59	323	14	0	151	309	3	0	38	335	9	0	41	339	0	0	0	0	0	0
2200	146	0	141	0	207	0	204	0	0	0	0	0	20	0	50	342	18	0	69	296	5	0	53	328	13	0	44	327	0	0	0	0	0	0
2300	163	0	158	0	216	0	212	0	0	0	0	0	24	0	42	5	21	0	57	345	13	0	38	349	18	0	52	345	0	0	0	0	0	0
2400	195	0	183	0	259	0	252	0	0	0	0	0	21	0	46	345	18	0	61	340	13	0	34	342	17	0	42	355	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	293	0	293	0	284	0	283	0	0	0	0	0	-9	0	-9	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	297	0	299	0	288	0	288	0	0	0	0	0	-9	0	-10	0	0	0	0	0	275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	290	0	290	0	279	0	279	0	0	0	0	0	-10	0	-10	0	0	0	0	0	248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	293	0	293	0	283	0	283	0	0	0	0	0	-10	0	-10	0	0	0	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	277	0	279	0	268	0	268	0	0	0	0	0	-9	0	-10	0	0	0	0	0	272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	284	0	286	0	277	0	277	0	0	0	0	0	-7	0	-9	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	283	0	284	0	274	0	274	0	0	0	0	0	-7	0	-9	0	0	0	0	0	259	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	281	0	281	0	272	0	270	0	0	0	0	0	-9	0	-9	0	0	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	277	0	277	0	266	0	266	0	0	0	0	0	-9	0	-10	0	0	0	0	0	245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	274	0	274	0	261	0	261	0	0	0	0	0	-10	0	-10	0	0	0	0	0	239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	263	0	265	0	252	0	250	0	0	0	0	0	-10	0	-12	0	0	0	0	0	252	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	259	0	259	0	247	0	245	0	0	0	0	0	-12	0	-12	0	0	0	0	0	245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	257	0	257	0	245	0	243	0	0	0	0	0	-12	0	-12	0	0	0	0	0	238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	252	0	254	0	239	0	239	0	0	0	0	0	-12	0	-14	0	0	0	0	0	245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	259	0	259	0	245	0	245	0	0	0	0	0	-14	0	-14	0	0	0	0	0	238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	252	0	252	0	239	0	239	0	0	0	0	0	-10	0	-12	0	0	0	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	250	0	250	0	238	0	236	0	0	0	0	0	-10	0	-12	0	0	0	0	0	241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	247	0	247	0	236	0	236	0	0	0	0	0	-10	0	-10	0	0	0	0	0	236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	245	0	245	0	236	0	234	0	0	0	0	0	-9	0	-10	0	0	0	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	247	0	247	0	238	0	236	0	0	0	0	0	-9	0	-10	0	0	0	0	0	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	250	0	250	0	241	0	239	0	0	0	0	0	-9	0	-9	0	0	0	0	0	232	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	247	0	247	0	236	0	236	0	0	0	0	0	-9	0	-9	0	0	0	0	0	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	245	0	247	0	236	0	236	0	0	0	0	0	-9	0	-9	0	0	0	0	0	227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	239	0	239	0	230	0	230	0	0	0	0	0	-9	0	-9	0	0	0	0	0	220	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	145	0	136	0	221	0	229	0	0	0	0	0	9	0	56	318	6	0	106	312	359	0	38	292	5	0	60	308	0	0	0	0	0	0
200	149	0	141	0	181	0	179	0	0	0	0	0	26	0	57	341	23	0	69	329	16	0	42	316	21	0	48	329	0	0	0	0	0	0
300	151	0	149	0	171	0	170	0	0	0	0	0	32	0	57	3	29	0	62	355	25	0	49	356	30	0	59	5	0	0	0	0	0	0
400	128	0	129	0	165	0	169	0	0	0	0	0	38	0	78	7	37	0	101	357	30	0	66	351	36	0	79	2	0	0	0	0	0	0
500	117	0	119	0	143	0	149	0	0	0	0	0	49	0	75	8	49	0	86	11	36	0	63	0	42	0	80	7	0	0	0	0	0	0
600	62	0	63	0	71	0	81	0	0	0	0	0	77	0	109	48	79	0	114	47	67	0	87	46	75	0	95	58	0	0	0	0	0	0
700	70	0	70	0	82	0	87	0	0	0	0	0	79	0	103	58	83	0	131	55	75	0	99	59	85	0	105	69	0	0	0	0	0	0
800	83	0	83	0	87	0	99	0	0	0	0	0	78	0	112	50	79	0	130	43	75	0	103	52	89	0	122	69	0	0	0	0	0	0
900	92	0	98	0	99	0	107	0	0	0	0	0	53	0	92	359	56	0	123	6	99	0	83	347	53	0	86	6	0	0	0	0	0	0
1000	127	0	128	0	140	0	149	0	0	0	0	0	38	0	72	1	38	0	78	349	33	0	59	9	90	0	68	10	0	0	0	0	0	0
1100	139	0	129	0	139	0	131	0	0	0	0	0	27	0	59	346	25	0	58	341	19	0	45	330	29	0	53	345	0	0	0	0	0	0
1200	66	0	66	0	93	0	93	0	0	0	0	0	5	0	71	279	6	0	68	303	5	0	43	308	6	0	46	308	0	0	0	0	0	0
1300	61	0	60	0	75	0	75	0	0	0	0	0	1	0	75	279	9	0	146	273	359	0	59	303	7	0	84	307	0	0	0	0	0	0
1400	72	0	70	0	90	0	88	0	0	0	0	0	342	0	62	271	341	0	42	284	351	0	70	319	356	0	72	310	0	0	0	0	0	0
1500	79	0	70	0	105	0	106	0	0	0	0	0	355	0	65	276	356	0	76	299	358	0	32	330	0	0	32	331	0	0	0	0	0	0
1600	88	2	85	2	122	2	122	2	0	0	0	0	355	2	51	307	356	2	81	303	355	2	38	305	9	2	96	332	0	0	0	0	0	0
1700	90	0	87	0	129	0	129	0	0	0	0	0	349	0	66	300	348	0	87	280	351	0	45	323	357	0	47	322	0	0	0	0	0	0
1800	81	0	77	0	110	0	111	0	0	0	0	0	352	0	92	316	350	0	91	304	351	0	31	319	356	0	50	310	0	0	0	0	0	0
1900	73	0	67	0	98	0	97	0	0	0	0	0	9	0	55	323	9	0	88	303	359	0	30	316	5	0	98	307	0	0	0	0	0	0
2000	71	0	66	0	105	0	109	0	0	0	0	0	14	0	57	317	13	0	61	323	5	0	28	348	11	0	91	335	0	0	0	0	0	0
2100	52	0	51	0	65	0	68	0	0	0	0	0	93	0	75	26	99	0	68	19	39	0	57	22	95	0	63	29	0	0	0	0	0	0
2200	37	0	35	0	51	0	61	0	0	0	0	0	79	0	96	56	82	0	107	50	63	0	79	50	70	0	85	58	0	0	0	0	0	0
2300	42	0	40	0	51	0	53	0	0	0	0	0	115	0	145	99	121	0	151	97	82	0	100	79	92	0	112	80	0	0	0	0	0	0
2400	39	0	33	0	37	0	39	0	0	0	0	0	140	0	150	129	144	0	158	131	99	0	99	93	103	0	119	95	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 DEWSDS	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	236	0	236	0	227	0	225	0	0	0	0	0	-9	0	-9	0	0	0	0	0	211	0	0	0	0	0	0	0	0	0	0	0	0	0
200	229	0	229	0	220	0	218	0	0	0	0	0	-9	0	-9	0	0	0	0	0	230	0	0	0	0	0	0	0	0	0	0	0	0	0
300	223	0	223	0	214	0	212	0	0	0	0	0	-9	0	-9	0	0	0	0	0	241	0	0	0	0	0	0	0	0	0	0	0	0	0
400	223	0	223	0	214	0	212	0	0	0	0	0	-9	0	-9	0	0	0	0	0	234	0	0	0	0	0	0	0	0	0	0	0	0	0
500	223	0	225	0	214	0	214	0	0	0	0	0	-9	0	-9	0	0	0	0	0	211	0	0	0	0	0	0	0	0	0	0	0	0	0
600	200	0	200	0	191	0	191	0	0	0	0	0	-7	0	-7	0	0	0	0	0	209	0	0	0	0	0	0	0	0	0	0	0	0	0
700	198	0	200	0	189	0	187	0	0	0	0	0	-9	0	-9	0	0	0	0	0	220	0	0	0	0	0	0	0	0	0	0	0	0	0
800	205	0	205	0	194	0	193	0	0	0	0	0	-10	0	-10	0	0	0	0	0	218	0	0	0	0	0	0	0	0	0	0	0	0	0
900	239	0	241	0	232	0	230	0	0	0	0	0	-9	0	-10	0	0	0	0	0	232	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	239	0	239	0	234	0	232	0	0	0	0	0	-7	0	-7	0	0	0	0	0	225	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	248	0	248	0	247	0	245	0	0	0	0	0	0	0	1	0	0	0	0	0	232	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	265	0	266	0	252	0	250	0	0	0	0	0	-10	0	-12	0	0	0	0	0	245	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	266	0	268	0	254	0	252	0	0	0	0	0	-12	0	-14	0	0	0	0	0	750	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	268	0	270	0	256	0	254	0	0	0	0	0	-12	0	-14	0	0	0	0	0	770	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	259	0	257	0	245	0	243	0	0	0	0	0	-12	0	-12	0	0	0	0	0	748	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	263	2	263	2	248	2	248	2	0	0	0	0	-12	2	-14	2	0	0	0	0	752	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	261	0	263	0	247	0	245	0	0	0	0	0	-14	0	-16	0	0	0	0	0	595	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	254	0	254	0	241	0	241	0	0	0	0	0	-12	0	-12	0	0	0	0	0	229	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	241	0	243	0	232	0	230	0	0	0	0	0	-10	0	-10	0	0	0	0	0	728	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	236	0	236	0	227	0	227	0	0	0	0	0	-9	0	-9	0	0	0	0	0	230	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	232	0	232	0	220	0	220	0	0	0	0	0	-10	0	-12	0	0	0	0	0	230	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	218	0	218	0	216	0	216	0	0	0	0	0	0	0	1	0	0	0	0	0	227	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	220	0	221	0	223	0	223	0	0	0	0	0	5	0	3	0	0	0	0	0	232	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	218	0	218	0	221	0	221	0	0	0	0	0	5	0	5	0	0	0	0	0	238	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 SPD6	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
100	33	0	31	0	18	0	21	0	0	0	0	0	168	0	236	150	165	0	192	151	103	5	103	103	122	0	133	112	0	0	0	0	0	0
200	49	0	43	0	21	0	23	0	0	0	0	0	185	0	201	169	189	0	209	159	128	0	128	128	170	0	189	151	0	0	0	0	0	0
300	59	0	46	0	36	0	31	0	0	0	0	0	193	0	201	179	197	0	210	151	195	0	200	186	206	0	219	194	0	0	0	0	0	0
400	61	0	47	0	63	0	57	0	0	0	0	0	198	0	210	168	201	0	221	159	213	0	222	209	223	0	230	216	0	0	0	0	0	0
500	64	0	49	0	65	0	69	0	0	0	0	0	208	0	219	188	212	0	224	195	219	0	223	217	229	0	233	226	0	0	0	0	0	0
600	67	0	52	0	91	0	89	0	0	0	0	0	199	0	215	160	193	0	220	135	209	0	222	195	219	0	233	197	0	0	0	0	0	0
700	63	0	51	0	133	0	122	0	0	0	0	0	195	0	225	162	197	0	251	138	209	0	215	198	219	0	222	208	0	0	0	0	0	0
800	59	0	43	0	106	0	92	0	0	0	0	0	186	0	237	118	192	0	244	129	196	0	212	169	206	0	221	179	0	0	0	0	0	0
900	41	0	33	0	47	0	43	0	0	0	0	0	212	0	267	128	219	0	269	116	193	0	243	130	202	0	240	146	0	0	0	0	0	0
1000	44	0	42	0	46	0	50	0	0	0	0	0	268	0	323	215	267	0	332	210	245	0	290	186	248	0	290	187	0	0	0	0	0	0
1100	59	0	58	0	53	0	58	0	0	0	0	0	270	0	300	232	271	0	301	230	263	0	289	241	269	0	287	245	0	0	0	0	0	0
1200	69	0	71	0	71	0	77	0	0	0	0	0	266	0	295	237	268	0	298	228	265	0	289	246	272	0	289	250	0	0	0	0	0	0
1300	67	0	65	0	68	0	75	0	0	0	0	0	289	0	339	221	282	0	339	229	290	0	326	248	293	0	322	238	0	0	0	0	0	0
1400	55	0	52	0	57	0	60	0	0	0	0	0	300	0	341	261	294	0	346	249	313	0	333	299	316	0	336	286	0	0	0	0	0	0
1500	54	0	52	0	64	0	67	0	0	0	0	0	302	0	357	236	293	0	347	220	314	0	340	281	319	0	346	295	0	0	0	0	0	0
1600	43	0	42	0	42	0	45	0	0	0	0	0	320	0	355	231	316	0	355	210	334	0	8	308	336	0	12	290	0	0	0	0	0	0
1700	26	0	25	0	24	0	26	0	0	0	0	0	332	3	117	270	332	3	24	272	330	0	358	305	338	3	41	291	0	0	0	0	0	0
1800	13	0	12	0	18	0	15	0	0	0	0	0	8	3	163	272	356	3	107	272	232	5	250	203	235	5	280	182	0	0	0	0	0	0
1900	49	0	43	0	89	0	78	0	0	0	0	0	171	0	203	101	176	0	217	138	177	0	196	156	186	0	210	168	0	0	0	0	0	0
2000	54	0	40	0	117	0	99	0	0	0	0	0	199	0	231	145	198	0	244	152	195	0	206	180	205	0	219	191	0	0	0	0	0	0
2100	49	0	44	0	103	0	88	0	0	0	0	0	177	0	207	149	178	0	216	149	190	0	205	175	200	0	219	182	0	0	0	0	0	0
2200	61	0	58	0	125	0	109	0	0	0	0	0	175	0	200	146	173	0	215	125	180	0	188	172	190	0	197	180	0	0	0	0	0	0
2300	64	0	62	0	149	0	113	0	0	0	0	0	175	0	203	149	176	0	222	113	186	0	189	178	195	0	200	188	0	0	0	0	0	0
2400	66	0	61	0	139	0	120	0	0	0	0	0	160	0	186	119	165	0	210	121	176	0	185	164	186	0	195	176	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	218	0	218	0	212	0	211	0	0	0	0	0	-5	0	-7	0	0	0	0	0	230	2	0	0	0	0	0	0	0	0	0	0	0	0
200	218	0	218	0	221	0	221	0	0	0	0	0	3	0	3	0	0	0	0	0	230	2	0	0	0	0	0	0	0	0	0	0	0	0
300	209	0	209	0	227	0	227	0	0	0	0	0	18	0	18	0	0	0	0	0	230	2	0	0	0	0	0	0	0	0	0	0	0	0
400	207	0	207	0	230	0	229	0	0	0	0	0	23	0	23	0	0	0	0	0	236	2	0	0	0	0	0	0	0	0	0	0	0	0
500	209	0	209	0	230	0	229	0	0	0	0	0	21	0	21	0	0	0	0	0	230	2	0	0	0	0	0	0	0	0	0	0	0	0
600	191	0	191	0	227	0	227	0	0	0	0	0	36	0	36	0	0	0	0	0	234	2	0	0	0	0	0	0	0	0	0	0	0	0
700	189	0	191	0	225	0	223	0	0	0	0	0	34	0	34	0	0	0	0	0	685	2	0	0	0	0	0	0	0	0	0	0	0	0
800	214	0	216	0	216	0	216	0	0	0	0	0	1	0	0	0	0	0	0	0	247	2	0	0	0	0	0	0	0	0	0	0	0	0
900	256	0	257	0	239	0	238	0	0	0	0	0	-16	0	-19	0	0	0	0	0	759	2	0	0	0	0	0	0	0	0	0	0	0	0
1000	275	0	277	0	265	0	263	0	0	0	0	0	-10	0	-12	0	0	0	0	0	791	2	0	0	0	0	0	0	0	0	0	0	0	0
1100	284	0	286	0	288	0	288	0	0	0	0	0	3	0	3	0	0	0	0	0	789	2	0	0	0	0	0	0	0	0	0	0	0	0
1200	299	0	301	0	313	0	313	0	0	0	0	0	14	0	14	0	0	0	0	0	793	2	0	0	0	0	0	0	0	0	0	0	0	0
1300	325	0	329	0	299	0	299	0	0	0	0	0	-27	0	-28	0	0	0	0	0	793	2	0	0	0	0	0	0	0	0	0	0	0	0
1400	332	0	336	0	321	0	321	0	0	0	0	0	-10	0	-14	0	0	0	0	0	820	2	0	0	0	0	0	0	0	0	0	0	0	0
1500	336	0	338	0	319	0	319	0	0	0	0	0	-18	0	-21	0	0	0	0	0	795	2	0	0	0	0	0	0	0	0	0	0	0	0
1600	361	0	365	0	332	0	332	0	0	0	0	0	-28	0	-30	0	0	0	0	0	806	2	0	0	0	0	0	0	0	0	0	0	0	0
1700	374	0	377	0	348	0	350	0	0	0	0	0	-23	0	-25	0	0	0	0	0	829	2	0	0	0	0	0	0	0	0	0	0	0	0
1800	357	0	357	0	361	0	361	0	0	0	0	0	5	0	5	0	0	0	0	0	816	2	0	0	0	0	0	0	0	0	0	0	0	0
1900	363	0	363	0	366	0	366	0	0	0	0	0	3	0	3	0	0	0	0	0	809	2	0	0	0	0	0	0	0	0	0	0	0	0
2000	343	0	343	0	357	0	356	0	0	0	0	0	14	0	14	0	0	0	0	0	791	2	0	0	0	0	0	0	0	0	0	0	0	0
2100	338	0	338	0	356	0	356	0	0	0	0	0	18	0	18	0	0	0	0	0	259	2	0	0	0	0	0	0	0	0	0	0	0	0
2200	329	0	329	0	341	0	339	0	0	0	0	0	12	0	12	0	0	0	0	0	266	2	0	0	0	0	0	0	0	0	0	0	0	0
2300	319	0	319	0	345	0	343	0	0	0	0	0	27	0	27	0	0	0	0	0	270	2	0	0	0	0	0	0	0	0	0	0	0	0
2400	311	0	311	0	329	0	329	0	0	0	0	0	19	0	18	0	0	0	0	0	274	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

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HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	163	0	150	0	230	0	235	0	0	0	0	0	229	0	263	202	233	0	267	184	225	0	255	207	231	0	247	197	0	0	0	0	0	0
200	167	0	152	0	251	0	261	0	0	0	0	0	230	0	269	198	235	0	275	194	228	0	247	199	233	0	257	214	0	0	0	0	0	0
300	195	0	193	0	317	0	334	0	0	0	0	0	238	0	262	213	244	0	274	213	237	0	261	205	242	0	261	214	0	0	0	0	0	0
400	182	0	177	0	281	0	295	0	0	0	0	0	237	0	277	194	241	0	289	195	232	0	261	202	239	0	261	209	0	0	0	0	0	0
500	194	0	187	0	309	0	326	0	0	0	0	0	236	0	259	206	240	0	275	204	238	0	252	219	242	0	266	218	0	0	0	0	0	0
600	199	0	194	0	305	0	319	0	0	0	0	0	238	0	258	213	241	0	289	191	235	0	253	212	241	0	260	211	0	0	0	0	0	0
700	208	0	207	0	312	0	331	0	0	0	0	0	241	0	264	209	247	0	299	206	240	0	262	219	245	0	262	231	0	0	0	0	0	0
800	229	0	228	0	347	0	366	0	0	0	0	0	246	0	277	219	248	0	296	205	247	0	262	232	252	0	266	237	0	0	0	0	0	0
900	215	0	216	0	317	0	331	0	0	0	0	0	247	0	262	227	252	0	274	221	250	0	259	245	255	0	261	249	0	0	0	0	0	0
1000	222	0	223	0	333	0	332	0	0	0	0	0	246	0	269	230	248	0	267	217	247	0	251	242	252	0	258	245	0	0	0	0	0	0
1100	175	0	178	0	295	0	310	0	0	0	0	0	255	0	276	233	258	0	285	219	256	0	266	238	261	0	273	239	0	0	0	0	0	0
1200	243	0	248	0	296	0	314	0	0	0	0	0	267	0	294	253	269	0	297	240	272	0	294	259	277	0	300	262	0	0	0	0	0	0
1300	195	0	196	0	261	0	268	0	0	0	0	0	271	0	302	243	270	0	310	248	280	0	303	254	284	0	321	261	0	0	0	0	0	0
1400	253	0	255	0	310	0	324	0	0	0	0	0	267	0	291	250	269	0	302	235	275	0	292	241	280	0	305	258	0	0	0	0	0	0
1500	214	0	210	0	288	0	301	0	0	0	0	0	268	0	290	239	269	0	295	237	276	0	292	243	288	0	295	257	0	0	0	0	0	0
1600	235	0	237	0	300	0	312	0	0	0	0	0	267	0	289	230	267	0	294	228	276	0	291	252	280	0	299	266	0	0	0	0	0	0
1700	209	0	209	0	278	0	289	0	0	0	0	0	271	0	306	253	270	0	316	242	278	0	295	261	282	0	299	257	0	0	0	0	0	0
1800	168	0	171	0	254	0	267	0	0	0	0	0	260	0	275	236	262	0	285	232	273	0	287	251	277	0	290	259	0	0	0	0	0	0
1900	208	0	211	0	291	0	302	0	0	0	0	0	265	0	292	249	265	0	284	246	279	0	293	267	283	0	296	268	0	0	0	0	0	0
2000	178	0	182	0	292	0	306	0	0	0	0	0	258	0	278	238	259	0	283	205	270	0	278	261	275	0	281	266	0	0	0	0	0	0
2100	210	0	221	0	336	0	353	0	0	0	0	0	263	0	278	248	266	0	284	242	270	0	274	264	275	0	282	266	0	0	0	0	0	0
2200	226	0	230	0	338	0	359	0	0	0	0	0	263	0	279	242	265	0	296	238	270	0	275	265	275	0	280	271	0	0	0	0	0	0
2300	174	0	175	0	329	0	344	0	0	0	0	0	257	0	289	235	259	0	289	233	268	0	272	262	274	0	277	270	0	0	0	0	0	0
2400	166	0	162	0	293	0	307	0	0	0	0	0	247	0	266	232	251	0	277	221	252	0	257	249	258	0	261	254	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	559	0	559	0	569	0	563	0	0	0	0	0	5	0	3	0	0	0	0	0	476	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	554	0	554	0	555	0	555	0	0	0	0	0	3	0	3	0	0	0	0	0	510	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	527	0	527	0	545	0	543	0	0	0	0	0	18	0	16	0	0	0	0	0	308	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	525	0	525	0	537	0	537	0	0	0	0	0	14	0	14	0	0	0	0	0	485	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	510	0	510	0	523	0	523	0	0	0	0	0	9	0	14	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	487	0	487	0	498	0	496	0	0	0	0	0	10	0	10	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	478	0	478	0	487	0	487	0	0	0	0	0	9	0	9	0	0	0	0	0	292	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	431	0	429	0	438	0	437	0	0	0	0	0	7	0	7	0	0	0	0	0	279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	410	0	410	0	410	0	408	0	0	0	0	0	0	0	0	0	0	0	0	0	259	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	411	0	413	0	406	0	406	0	0	0	0	0	-5	0	-7	0	0	0	0	0	261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	417	0	417	0	406	0	406	0	0	0	0	0	-9	0	-10	0	0	0	0	0	295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	410	0	410	0	411	0	411	0	0	0	0	0	3	0	1	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300	415	0	415	0	413	0	413	0	0	0	0	0	1	0	-1	0	0	0	0	0	277	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400	426	0	428	0	435	0	435	0	0	0	0	0	10	0	9	0	0	0	0	0	293	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	447	0	449	0	462	0	462	0	0	0	0	0	14	0	12	0	0	0	0	0	268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	449	0	451	0	465	0	465	0	0	0	0	0	16	0	14	0	0	0	0	0	288	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	455	0	456	0	473	0	473	0	0	0	0	0	18	0	16	0	0	0	0	0	277	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	429	0	429	0	469	0	469	0	0	0	0	0	34	0	32	0	0	0	0	0	293	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900	433	0	433	0	473	0	473	0	0	0	0	0	39	0	39	0	0	0	0	0	268	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	417	0	417	0	473	0	473	0	0	0	0	0	55	0	55	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	424	0	424	0	483	0	482	0	0	0	0	0	59	0	57	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200	426	0	426	0	478	0	476	0	0	0	0	0	50	0	50	0	0	0	0	0	304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300	426	0	426	0	519	0	518	0	0	0	0	0	91	0	91	0	0	0	0	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2400	424	0	424	0	483	0	483	0	0	0	0	0	59	0	57	0	0	0	0	0	274	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 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	99	0	99	0	156	0	150	0	0	0	0	0	100	0	107	99	103	0	115	92	88	0	94	89	97	0	103	99	0	0	0	0	0	0
200	109	0	103	0	159	0	159	0	0	0	0	0	118	0	122	119	122	0	129	115	111	0	113	107	121	0	125	118	0	0	0	0	0	0
300	108	0	109	0	176	0	177	0	0	0	0	0	110	0	113	106	114	0	129	108	110	0	111	107	120	0	121	118	0	0	0	0	0	0
400	106	0	106	0	167	0	167	0	0	0	0	0	110	0	114	107	115	0	123	106	109	0	110	107	119	0	121	118	0	0	0	0	0	0
500	113	0	109	0	186	0	187	0	0	0	0	0	105	0	112	91	108	0	120	90	108	0	111	105	118	0	121	116	0	0	0	0	0	0
600	127	0	127	0	196	0	196	0	0	0	0	0	111	0	116	105	114	0	132	99	111	0	113	108	122	0	124	119	0	0	0	0	0	0
700	118	0	116	0	178	0	179	0	0	0	0	0	113	0	122	100	118	0	131	86	114	0	123	105	125	0	138	112	0	0	0	0	0	0
800	113	0	113	0	138	0	140	0	0	0	0	0	112	0	138	83	117	0	145	77	112	0	139	92	123	0	144	102	0	0	0	0	0	0
900	109	0	107	0	125	0	124	0	0	0	0	0	116	0	143	85	121	0	154	90	111	0	136	55	122	0	149	99	0	0	0	0	0	0
1000	97	0	98	0	110	0	114	0	0	0	0	0	106	0	141	69	110	0	143	66	104	0	143	69	115	0	161	74	0	0	0	0	0	0
1100	109	0	111	0	128	0	130	0	0	0	0	0	124	0	170	100	131	0	172	98	120	0	156	71	133	0	170	98	0	0	0	0	0	0
1200	91	0	94	0	104	0	110	0	0	0	0	0	94	0	140	45	98	0	150	7	84	0	131	37	93	0	148	46	0	0	0	0	0	0
1300	75	0	82	0	88	0	93	0	0	0	0	0	52	0	101	298	57	0	115	3	56	0	105	1	61	0	117	5	0	0	0	0	0	0
1400	82	0	82	0	118	0	120	0	0	0	0	0	8	0	57	292	9	0	70	281	7	0	74	303	11	0	61	325	0	0	0	0	0	0
1500	85	0	82	0	130	0	128	0	0	0	0	0	8	0	63	290	9	0	73	277	7	0	78	318	12	0	42	323	0	0	0	0	0	0
1600	147	0	141	0	161	0	156	0	0	0	0	0	28	0	63	358	27	0	71	333	28	0	69	4	34	0	75	8	0	0	0	0	0	0
1700	170	0	166	0	195	0	191	0	0	0	0	0	29	0	48	10	27	0	59	3	29	0	47	11	33	0	54	352	0	0	0	0	0	0
1800	154	0	151	0	182	0	177	0	0	0	0	0	34	0	51	20	33	0	60	17	32	0	52	15	37	0	54	13	0	0	0	0	0	0
1900	95	0	98	0	124	0	128	0	0	0	0	0	44	0	67	19	41	0	77	18	42	0	68	28	44	0	76	30	0	0	0	0	0	0
2000	69	0	76	0	97	0	111	0	0	0	0	0	51	0	63	35	49	0	74	31	47	0	60	41	54	0	64	47	0	0	0	0	0	0
2100	67	0	76	0	110	0	121	0	0	0	0	0	69	0	80	60	69	0	88	56	56	0	64	50	65	0	71	58	0	0	0	0	0	0
2200	73	0	73	0	155	0	159	0	0	0	0	0	79	0	90	70	81	0	103	61	73	0	79	66	81	0	88	74	0	0	0	0	0	0
2300	81	0	77	0	142	0	143	0	0	0	0	0	96	0	109	89	98	0	114	76	103	0	109	98	114	0	120	108	0	0	0	0	0	0
2400	143	0	138	0	169	0	172	0	0	0	0	0	121	0	134	108	125	0	145	106	117	0	130	103	129	0	143	103	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	377	0	377	0	419	0	419	0	320	0	320	0	93	0	91	0	0	0	0	0	311	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
200	381	0	381	0	473	0	473	0	320	0	320	0	90	0	90	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
300	390	0	390	0	462	0	462	0	320	0	320	0	70	0	70	0	0	0	0	0	321	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
400	392	0	392	0	446	0	446	0	320	0	320	0	55	0	54	0	0	0	0	0	317	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
500	370	0	370	0	410	0	410	0	320	0	320	0	39	0	39	0	0	0	0	0	311	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
600	366	0	366	0	409	0	409	0	320	0	320	0	39	0	37	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
700	388	0	388	0	397	0	397	0	320	0	320	0	9	0	9	0	0	0	0	0	320	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
800	449	0	451	0	433	0	431	0	320	0	320	0	-16	0	-18	0	0	0	0	0	249	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0
900	483	0	483	0	471	0	469	0	320	0	320	0	-14	0	-16	0	0	0	0	0	240	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1000	510	0	512	0	494	0	492	0	320	0	320	0	-16	0	-18	0	0	0	0	0	244	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1100	530	0	530	0	507	0	507	0	320	0	320	0	-23	0	-23	0	0	0	0	0	249	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1200	537	0	537	0	518	0	518	0	320	0	320	0	-19	0	-19	0	0	0	0	0	248	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1300	554	0	552	0	532	0	530	0	320	0	320	0	-21	0	-19	0	0	0	0	0	253	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1400	492	0	492	0	478	0	476	0	320	0	320	0	-14	0	-16	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	88	0
1500	482	0	480	0	471	0	469	0	320	0	320	0	-10	0	-12	0	0	0	0	0	300	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1600	489	0	489	0	491	0	485	0	320	0	320	0	0	0	1	0	0	0	0	0	298	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1700	491	0	491	0	487	0	485	0	320	0	320	0	-3	0	-3	0	0	0	0	0	302	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1800	474	0	473	0	469	0	467	0	320	0	320	0	-5	0	-5	0	0	0	0	0	298	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
1900	455	0	453	0	447	0	446	0	320	0	320	0	-7	0	-7	0	0	0	0	0	291	2	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2000	444	0	444	0	442	0	440	0	320	0	320	0	-3	0	-5	0	0	0	0	0	289	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2100	435	0	435	0	446	0	444	0	320	0	320	0	10	0	9	0	0	0	0	0	307	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2200	431	0	431	0	494	0	494	0	320	0	320	0	63	0	61	0	0	0	0	0	305	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2300	438	0	438	0	512	0	512	0	320	0	320	0	73	0	72	0	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0
2400	431	0	433	0	424	0	422	0	320	0	320	0	-9	0	-10	0	0	0	0	0	289	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0

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

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HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	117	0	118	0	181	0	188	0	0	0	0	0	293	0	274	219	293	0	297	189	246	0	259	222	252	0	266	234	0	0	0	0	0	0
200	68	0	68	0	96	0	98	0	0	0	0	0	272	0	296	246	268	0	296	236	276	0	301	255	279	0	296	256	0	0	0	0	0	0
300	93	0	93	0	150	0	156	0	0	0	0	0	239	0	265	200	240	0	297	205	251	0	262	217	256	0	267	235	0	0	0	0	0	0
400	56	0	57	0	95	0	100	0	0	0	0	0	299	0	266	219	296	0	273	216	299	0	256	236	250	0	263	238	0	0	0	0	0	0
500	49	0	49	0	80	0	83	0	0	0	0	0	239	0	269	208	242	0	278	217	243	0	257	225	248	0	269	231	0	0	0	0	0	0
600	40	0	42	0	76	0	80	0	0	0	0	0	259	0	300	244	260	0	299	238	248	0	263	239	254	0	279	248	0	0	0	0	0	0
700	28	0	29	0	72	0	75	0	0	0	0	0	266	0	325	220	266	3	322	211	258	0	293	236	263	0	299	239	0	0	0	0	0	0
800	64	0	65	0	86	0	88	0	0	0	0	0	265	0	287	241	262	0	299	231	277	0	319	239	279	0	306	248	0	0	0	0	0	0
900	36	0	35	0	37	0	39	0	0	0	0	0	294	0	344	247	293	0	342	242	321	0	8	279	322	0	359	293	0	0	0	0	0	0
1000	55	0	58	0	74	0	73	0	0	0	0	0	319	0	33	278	318	0	26	279	328	0	358	298	330	0	352	300	0	0	0	0	0	0
1100	73	0	71	0	102	0	100	0	0	0	0	0	345	0	47	300	344	0	101	296	355	0	19	303	357	0	24	330	0	0	0	0	0	0
1200	71	0	66	0	94	0	92	0	0	0	0	0	346	0	40	305	343	0	40	272	355	0	20	317	0	0	26	326	0	0	0	0	0	0
1300	73	0	72	0	116	0	110	0	0	0	0	0	349	0	86	277	350	0	92	277	358	0	57	308	359	0	47	312	0	0	0	0	0	0
1400	75	0	78	0	110	0	109	0	0	0	0	0	18	0	74	302	17	0	99	289	10	0	53	329	15	0	70	321	0	0	0	0	0	0
1500	96	0	96	0	140	0	135	0	0	0	0	0	26	0	115	330	25	0	141	306	12	0	103	325	15	0	81	334	0	0	0	0	0	0
1600	121	0	116	0	175	0	173	0	0	0	0	0	29	0	81	343	26	0	79	333	15	0	51	329	19	0	57	339	0	0	0	0	0	0
1700	149	0	149	0	193	0	188	0	0	0	0	0	31	0	60	7	29	0	92	355	22	0	49	359	25	0	49	348	0	0	0	0	0	0
1800	127	0	128	0	178	0	173	0	0	0	0	0	34	0	74	355	31	0	75	274	21	0	75	353	26	0	87	358	0	0	0	0	0	0
1900	196	0	192	0	266	0	257	0	0	0	0	0	30	0	69	5	25	0	70	340	25	0	99	11	29	0	51	6	0	0	0	0	0	0
2000	169	0	167	0	223	0	217	0	0	0	0	0	33	0	62	7	29	0	135	355	25	0	47	357	30	0	74	8	0	0	0	0	0	0
2100	158	0	159	0	219	0	209	0	0	0	0	0	27	0	57	341	25	0	72	351	19	0	45	345	24	0	59	0	0	0	0	0	0	0
2200	109	0	102	0	162	0	158	0	0	0	0	0	21	0	60	349	20	0	117	320	12	0	38	337	16	0	53	345	0	0	0	0	0	0
2300	97	0	97	0	137	0	133	0	0	0	0	0	29	0	61	358	25	0	67	351	24	0	63	0	28	0	59	0	0	0	0	0	0	0
2400	165	0	164	0	211	0	209	0	0	0	0	0	119	0	139	103	127	0	162	96	120	0	135	102	131	0	149	116	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	653	0	653	0	659	0	659	0	320	0	320	0	3	0	1	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
200	606	0	609	0	606	0	609	0	320	0	320	0	0	0	0	0	0	0	0	0	996	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
300	606	0	609	0	618	0	617	0	320	0	320	0	14	0	12	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
400	622	0	620	0	633	0	631	0	320	0	320	0	10	0	10	0	0	0	0	0	999	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
500	629	0	627	0	640	0	638	0	320	0	320	0	10	0	10	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
600	609	0	609	0	629	0	620	0	320	0	320	0	14	0	12	0	0	0	0	0	996	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
700	622	0	624	0	633	0	631	0	320	0	320	0	10	0	7	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
800	642	0	642	0	631	0	631	0	320	0	320	0	-9	0	-10	0	0	0	0	0	999	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
900	629	0	629	0	624	0	622	0	320	0	320	0	-7	0	-9	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1000	617	0	615	0	595	0	593	0	320	0	320	0	-23	0	-21	0	0	0	0	0	996	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1100	552	0	554	0	537	0	536	0	320	0	320	0	-14	0	-18	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1200	537	0	536	0	525	0	523	0	320	0	320	0	-12	0	-14	0	0	0	0	0	999	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1300	505	0	505	0	487	0	485	0	320	0	320	0	-18	0	-19	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1400	525	0	525	0	496	0	494	0	320	0	320	0	-28	0	-30	0	0	0	0	0	996	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1500	527	0	527	0	507	0	505	0	320	0	320	0	-21	0	-21	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1600	503	0	503	0	491	0	489	0	320	0	320	0	-12	0	-14	0	0	0	0	0	999	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1700	480	0	478	0	469	0	467	0	320	0	320	0	-10	0	-10	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1800	473	0	473	0	462	0	460	0	320	0	320	0	-10	0	-12	0	0	0	0	0	996	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
1900	455	0	455	0	446	0	446	0	320	0	320	0	-7	0	-9	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2000	456	0	456	0	446	0	446	0	320	0	320	0	-9	0	-9	0	0	0	0	0	999	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2100	456	0	456	0	449	0	447	0	320	0	320	0	-7	0	-9	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2200	449	0	449	0	440	0	438	0	320	0	320	0	-9	0	-9	0	0	0	0	0	996	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2300	444	0	444	0	437	0	435	0	320	0	320	0	-7	0	-9	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	139	0
2400	546	0	546	0	539	0	537	0	320	0	320	0	-5	0	-7	0	0	0	0	0	997	2	0	0	0	0	0	0	0	0	0	0	0	0	143	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 SPD6	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
100	145	0	137	0	209	0	219	0	0	0	0	0	290	0	321	267	285	0	339	239	293	0	307	272	297	0	313	279	0	0	0	0	0	0
200	142	0	136	0	212	0	220	0	0	0	0	0	302	0	321	282	297	0	338	226	305	0	315	296	307	0	316	299	0	0	0	0	0	0
300	144	0	132	0	202	0	211	0	0	0	0	0	291	0	316	268	288	0	329	249	296	0	310	266	299	0	310	279	0	0	0	0	0	0
400	173	0	156	0	238	0	246	0	0	0	0	0	293	0	326	260	290	0	335	245	297	0	306	273	299	0	310	283	0	0	0	0	0	0
500	129	0	118	0	169	0	175	0	0	0	0	0	289	0	340	241	286	0	343	231	291	0	319	241	293	0	317	252	0	0	0	0	0	0
600	148	0	141	0	187	0	195	0	0	0	0	0	291	0	339	255	287	0	353	234	292	0	316	250	295	0	317	262	0	0	0	0	0	0
700	133	0	125	0	209	0	211	0	0	0	0	0	291	0	318	261	285	0	333	227	299	0	306	292	302	0	308	296	0	0	0	0	0	0
800	128	0	126	0	157	0	172	0	0	0	0	0	287	0	326	246	284	0	353	236	291	0	328	270	294	0	323	255	0	0	0	0	0	0
900	99	0	97	0	120	0	129	0	0	0	0	0	281	0	329	244	281	0	345	233	287	0	319	243	289	0	321	228	0	0	0	0	0	0
1000	133	0	124	0	165	0	175	0	0	0	0	0	291	0	329	255	286	0	331	240	291	0	317	260	294	0	314	296	0	0	0	0	0	0
1100	122	0	115	0	159	0	166	0	0	0	0	0	294	0	341	229	288	0	354	249	293	0	314	269	296	0	313	290	0	0	0	0	0	0
1200	79	0	73	0	88	0	92	0	0	0	0	0	267	0	299	232	269	0	316	211	279	0	311	241	279	0	328	238	0	0	0	0	0	0
1300	51	0	44	0	48	0	51	0	0	0	0	0	269	0	308	222	269	0	327	213	257	0	291	197	261	0	312	209	0	0	0	0	0	0
1400	62	0	56	0	60	0	63	0	0	0	0	0	241	0	290	200	242	0	286	195	250	0	283	195	256	0	309	207	0	0	0	0	0	0
1500	55	0	50	0	60	0	67	0	0	0	0	0	261	0	291	215	259	0	300	206	259	0	299	224	264	0	288	219	0	0	0	0	0	0
1600	32	0	27	0	39	0	36	0	0	0	0	0	277	0	349	186	287	3	359	209	308	0	359	225	307	0	355	189	0	0	0	0	0	0
1700	33	0	28	0	32	0	39	0	0	0	0	0	321	0	8	275	319	3	353	237	337	0	22	296	341	0	18	302	0	0	0	0	0	0
1800	42	0	37	0	39	0	40	0	0	0	0	0	31	0	55	358	29	0	88	340	20	0	44	359	23	0	43	350	0	0	0	0	0	0
1900	30	0	24	0	32	0	36	0	0	0	0	0	35	3	71	16	32	3	84	354	39	0	60	12	44	0	64	19	0	0	0	0	0	0
2000	32	0	27	0	36	0	41	0	0	0	0	0	47	0	54	38	46	3	56	35	44	0	47	40	49	0	52	46	0	0	0	0	0	0
2100	22	0	16	0	21	0	25	0	0	0	0	0	35	3	51	19	33	3	49	15	41	3	47	32	39	3	40	36	0	0	0	0	0	0
2200	0	4	29	2	9	0	11	0	0	0	0	0	233	3	357	92	239	3	353	124	322	5	355	301	30	3	40	329	0	0	0	0	0	0
2300	14	0	9	0	13	0	16	0	0	0	0	0	260	0	327	218	259	0	323	206	324	5	341	306	331	5	337	327	0	0	0	0	0	0
2400	33	0	29	0	28	0	32	0	0	0	0	0	257	0	267	245	256	0	266	244	295	0	307	276	299	0	310	289	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	642	0	640	0	640	0	638	0	320	0	320	0	0	0	1	0	0	0	0	0	453	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
200	584	0	582	0	581	0	579	0	320	0	320	0	-1	0	-3	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
300	572	0	572	0	566	0	566	0	320	0	320	0	-3	0	-5	0	0	0	0	0	411	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
400	566	0	566	0	559	0	557	0	320	0	320	0	-5	0	-7	0	0	0	0	0	410	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
500	552	0	552	0	548	0	546	0	320	0	320	0	-3	0	-5	0	0	0	0	0	406	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
600	546	0	546	0	541	0	539	0	320	0	320	0	-5	0	-5	0	0	0	0	0	402	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
700	545	0	545	0	536	0	536	0	320	0	320	0	-7	0	-9	0	0	0	0	0	399	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
800	550	0	550	0	536	0	534	0	320	0	320	0	-12	0	-14	0	0	0	0	0	397	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
900	555	0	555	0	536	0	536	0	320	0	320	0	-16	0	-18	0	0	0	0	0	395	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1000	561	0	561	0	539	0	537	0	320	0	320	0	-19	0	-21	0	0	0	0	0	395	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1100	563	0	564	0	541	0	539	0	320	0	320	0	-19	0	-23	0	0	0	0	0	397	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1200	590	0	590	0	563	0	563	0	320	0	320	0	-25	0	-27	0	0	0	0	0	399	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1300	613	0	615	0	582	0	582	0	320	0	320	0	-30	0	-32	0	0	0	0	0	395	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1400	629	0	629	0	597	0	597	0	320	0	320	0	-27	0	-27	0	0	0	0	0	388	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1500	658	0	658	0	636	0	636	0	320	0	320	0	-18	0	-19	0	0	0	0	0	392	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1600	689	0	689	0	649	0	649	0	320	0	320	0	-37	0	-39	0	0	0	0	0	397	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1700	701	0	701	0	680	0	678	0	320	0	320	0	-19	0	-19	0	0	0	0	0	379	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1800	696	0	696	0	676	0	674	0	320	0	320	0	-16	0	-18	0	0	0	0	0	370	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
1900	678	0	676	0	671	0	669	0	320	0	320	0	-3	0	-3	0	0	0	0	0	365	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2000	635	0	634	0	651	0	649	0	320	0	320	0	18	0	18	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2100	631	0	631	0	620	0	618	0	320	0	320	0	-9	0	-10	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2200	595	0	593	0	600	0	597	0	320	0	320	0	5	0	5	0	0	0	0	0	357	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2300	600	0	599	0	618	0	618	0	320	0	320	0	19	0	19	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0
2400	602	0	602	0	618	0	615	0	320	0	320	0	16	0	14	0	0	0	0	0	388	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0

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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	119	0	112	0	187	0	195	0	0	0	0	0	268	0	294	245	267	0	320	233	276	0	296	241	279	0	306	251	0	0	0	0	0	0
200	113	0	109	0	153	0	160	0	0	0	0	0	261	0	284	214	260	0	299	221	271	0	288	257	275	0	288	258	0	0	0	0	0	0
300	86	0	81	0	115	0	124	0	0	0	0	0	246	0	277	226	247	0	297	215	257	0	284	216	260	0	288	220	0	0	0	0	0	0
400	76	0	69	0	122	0	129	0	0	0	0	0	237	0	272	189	240	0	289	198	240	0	256	212	246	0	265	225	0	0	0	0	0	0
500	87	0	82	0	133	0	142	0	0	0	0	0	247	0	275	198	249	0	296	197	247	0	262	227	253	0	278	230	0	0	0	0	0	0
600	76	0	69	0	114	0	123	0	0	0	0	0	239	0	268	210	243	0	287	203	238	0	259	220	243	0	265	225	0	0	0	0	0	0
700	81	0	73	0	122	0	129	0	0	0	0	0	247	0	286	211	248	0	293	215	251	0	288	240	256	0	280	241	0	0	0	0	0	0
800	81	0	77	0	110	0	119	0	0	0	0	0	245	0	279	212	249	0	287	203	241	0	259	218	246	0	267	219	0	0	0	0	0	0
900	97	0	93	0	119	0	122	0	0	0	0	0	245	0	271	222	247	0	285	216	242	0	259	227	248	0	271	235	0	0	0	0	0	0
1000	83	0	78	0	109	0	116	0	0	0	0	0	248	0	274	221	249	0	306	199	237	0	269	192	242	0	265	203	0	0	0	0	0	0
1100	103	0	99	0	131	0	138	0	0	0	0	0	246	0	269	216	248	0	277	209	249	0	255	240	255	0	261	242	0	0	0	0	0	0
1200	94	0	87	0	122	0	128	0	0	0	0	0	245	0	277	207	246	0	282	218	251	0	260	237	257	0	270	245	0	0	0	0	0	0
1300	66	0	60	0	75	0	82	0	0	0	0	0	266	0	314	223	254	0	298	198	262	0	300	215	266	0	303	216	0	0	0	0	0	0
1400	49	0	44	0	59	0	65	0	0	0	0	0	292	0	336	243	289	0	346	231	285	0	314	257	287	0	322	258	0	0	0	0	0	0
1500	40	0	34	0	50	0	58	0	0	0	0	0	286	0	357	193	280	0	350	212	282	0	328	232	285	0	317	237	0	0	0	0	0	0
1600	35	0	28	0	41	0	43	0	0	0	0	0	269	0	339	200	265	3	339	205	283	0	322	229	286	0	328	234	0	0	0	0	0	0
1700	36	0	29	0	33	0	38	0	0	0	0	0	242	0	280	201	242	0	283	200	237	0	276	205	243	0	279	213	0	0	0	0	0	0
1800	44	0	39	0	71	0	74	0	0	0	0	0	239	0	269	200	241	0	273	197	226	0	249	203	232	0	261	213	0	0	0	0	0	0
1900	59	0	45	0	114	0	99	0	0	0	0	0	212	0	267	159	217	0	269	150	209	0	222	177	212	0	227	191	0	0	0	0	0	0
2000	44	0	32	0	118	0	101	0	0	0	0	0	1[illegible]	0	259	91	184	0	253	119	198	0	219	174	202	0	227	181	0	0	0	0	0	0
2100	57	0	45	0	129	0	108	0	0	0	0	0	1[illegible]	0	232	109	182	0	252	93	185	0	209	168	193	0	210	174	0	0	0	0	0	0
2200	54	0	46	0	124	0	106	0	0	0	0	0	17[illegible]	0	257	102	168	0	265	98	180	0	205	156	188	0	210	169	0	0	0	0	0	0
2300	62	0	51	0	142	0	118	0	0	0	0	0	177	0	260	102	177	0	255	92	185	0	213	159	193	0	210	166	0	0	0	0	0	0
2400	53	0	45	0	124	0	106	0	0	0	0	0	178	0	268	107	179	0	266	98	184	0	222	153	193	0	221	140	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	633	0	633	0	695	0	699	0	320	0	320	0	19	0	12	0	0	0	0	0	417	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
200	626	0	629	0	629	0	627	0	320	0	320	0	5	0	3	0	0	0	0	0	417	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
300	611	0	611	0	620	0	618	0	320	0	320	0	9	0	7	0	0	0	0	0	419	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
400	615	0	613	0	618	0	618	0	320	0	320	0	5	0	5	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
500	618	0	618	0	617	0	615	0	320	0	320	0	1	0	-1	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
600	620	0	618	0	618	0	617	0	320	0	320	0	0	0	-1	0	0	0	0	0	420	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
700	618	0	618	0	611	0	611	0	320	0	320	0	-5	0	-7	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
800	631	0	631	0	613	0	613	0	320	0	320	0	-14	0	-16	0	0	0	0	0	415	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
900	642	0	642	0	620	0	620	0	320	0	320	0	-14	0	-16	0	0	0	0	0	410	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1000	663	0	665	0	638	0	638	0	320	0	320	0	-18	0	-19	0	0	0	0	0	408	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1100	687	0	687	0	663	0	662	0	320	0	320	0	-16	0	-18	0	0	0	0	0	388	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1200	708	0	708	0	685	0	683	0	320	0	320	0	-18	0	-19	0	0	0	0	0	386	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1300	748	0	748	0	719	0	717	0	320	0	320	0	-19	0	-21	0	0	0	0	0	395	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1400	771	0	773	0	726	0	725	0	320	0	320	0	-36	0	-37	0	0	0	0	0	386	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1500	797	0	797	0	741	0	741	0	320	0	320	0	-46	0	-46	0	0	0	0	0	392	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1600	793	0	793	0	757	0	757	0	320	0	320	0	-28	0	-28	0	0	0	0	0	384	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1700	780	0	780	0	761	0	759	0	320	0	320	0	-14	0	-16	0	0	0	0	0	384	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1800	762	0	761	0	757	0	755	0	320	0	320	0	0	0	1	0	0	0	0	0	375	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
1900	759	0	759	0	757	0	755	0	320	0	320	0	3	0	1	0	0	0	0	0	375	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2000	739	0	737	0	743	0	739	0	320	0	320	0	7	0	5	0	0	0	0	0	366	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2100	725	0	723	0	726	0	725	0	320	0	320	0	5	0	5	0	0	0	0	0	375	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2200	716	0	719	0	716	0	714	0	320	0	320	0	3	0	3	0	0	0	0	0	377	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2300	708	0	708	0	710	0	708	0	320	0	320	0	3	0	1	0	0	0	0	0	381	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0
2400	707	0	707	0	707	0	705	0	320	0	320	0	1	0	0	0	0	0	0	0	388	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0

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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD9 150B	S	WIND SPD5	S	WIND SPD6		WIND DIR1 50 A	S	MAX	MIN	WIND DIR2 50 B	S	MAX	MIN	WIND DIR3 150A	S	MAX	MIN	WIND DIR9 150B	S	MAX	MIN	WIND DIR5	S	MAX	MIN	WIND DIR6	S
100	87	0	77	0	121	0	121	0	0	0	0	0	336	0	31	279	339	0	19	275	337	0	9	285	342	0	0	312	0	0	0	0	0	0
200	80	0	75	0	121	0	120	0	0	0	0	0	350	0	99	312	351	0	58	284	349	0	24	314	353	0	29	319	0	0	0	0	0	0
300	78	0	70	0	132	0	127	0	0	0	0	0	18	0	119	318	19	0	138	289	4	0	57	319	8	0	81	339	0	0	0	0	0	0
400	133	0	121	0	199	0	203	0	0	0	0	0	341	0	31	307	337	0	35	283	339	0	2	300	343	0	12	308	0	0	0	0	0	0
500	123	0	112	0	187	0	181	0	0	0	0	0	345	0	39	296	346	0	58	287	350	0	55	318	355	0	58	329	0	0	0	0	0	0
600	82	0	71	0	149	0	146	0	0	0	0	0	9	0	67	316	2	0	89	277	357	0	38	320	0	0	53	305	0	0	0	0	0	0
700	107	0	100	0	157	0	155	0	0	0	0	0	349	0	31	299	346	0	51	300	350	0	35	328	359	0	25	327	0	0	0	0	0	0
800	87	0	80	0	137	0	138	0	0	0	0	0	6	0	53	301	6	0	198	280	3	0	35	329	6	0	62	331	0	0	0	0	0	0
900	97	0	89	0	132	0	129	0	0	0	0	0	345	0	28	309	341	0	57	270	351	0	18	325	355	0	65	326	0	0	0	0	0	0
1000	99	0	99	0	126	0	127	0	0	0	0	0	342	0	21	302	336	0	17	294	349	0	21	309	349	0	29	321	0	0	0	0	0	0
1100	86	0	84	0	129	0	129	0	0	0	0	0	340	0	17	292	338	0	18	282	349	0	17	272	349	0	29	306	0	0	0	0	0	0
1200	63	0	59	0	99	0	95	0	0	0	0	0	335	0	79	279	339	0	167	270	343	0	29	292	348	0	98	289	0	0	0	0	0	0
1300	67	0	61	0	89	0	87	0	0	0	0	0	325	0	31	273	313	0	355	236	326	0	358	266	329	0	357	295	0	0	0	0	0	0
1400	63	0	61	0	85	0	89	0	0	0	0	0	330	0	95	278	320	0	359	227	327	0	23	272	329	0	14	271	0	0	0	0	0	0
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2
1600	51	0	45	0	57	0	61	0	0	0	0	0	329	0	2	270	316	0	355	251	332	0	8	272	335	0	6	285	0	0	0	0	0	0
1700	35	0	31	0	36	0	38	0	0	0	0	0	315	0	356	220	328	0	163	277	334	0	19	285	342	0	36	289	0	0	0	0	0	0
1800	39	0	29	0	34	0	36	0	0	0	0	0	26	0	69	351	21	3	91	332	22	0	53	5	28	0	49	5	0	0	0	0	0	0
1900	0	4	7	0	0	4	0	4	0	0	0	0	115	3	179	13	112	3	166	10	63	3	160	5	12	3	12	12	0	0	0	0	0	0
2000	37	0	28	0	43	0	35	0	0	0	0	0	205	0	233	179	206	0	251	153	185	0	205	169	199	0	219	181	0	0	0	0	0	0
2100	42	0	36	0	86	0	70	0	0	0	0	0	178	0	211	136	179	0	237	142	182	0	186	179	191	0	195	187	0	0	0	0	0	0
2200	53	0	50	0	121	0	99	0	0	0	0	0	157	0	179	133	158	0	234	113	179	0	183	176	188	0	191	185	0	0	0	0	0	0
2300	50	0	42	0	156	0	127	0	0	0	0	0	179	0	217	111	178	0	260	112	185	0	189	180	193	0	197	189	0	0	0	0	0	0
2400	53	0	41	0	161	0	122	0	0	0	0	0	181	0	257	112	189	0	267	122	190	0	198	183	198	0	206	190	0	0	0	0	0	0

HOUR	AMB. TEM1 30 A	S	AMB. TEM2 30 B	S	AMB. TEM3 180A	S	AMB. TEM9 180B	S	AMB. TEM5	S	AMB. TEMP6		D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	512	0	512	0	503	0	501	0	320	0	320	0	-7	0	-7	0	0	0	0	0	411	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
200	527	0	527	0	519	0	519	0	320	0	320	0	-5	0	-7	0	0	0	0	0	419	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
300	518	0	519	0	510	0	510	0	320	0	320	0	-5	0	-7	0	0	0	0	0	415	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
400	505	0	505	0	496	0	496	0	320	0	320	0	-7	0	-9	0	0	0	0	0	408	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
500	518	0	518	0	510	0	509	0	320	0	320	0	-5	0	-7	0	0	0	0	0	415	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
600	519	0	521	0	514	0	512	0	320	0	320	0	-5	0	-7	0	0	0	0	0	415	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
700	514	0	514	0	507	0	507	0	320	0	320	0	-7	0	-7	0	0	0	0	0	417	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
800	512	0	512	0	503	0	503	0	320	0	320	0	-7	0	-7	0	0	0	0	0	415	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
900	536	0	537	0	519	0	519	0	320	0	320	0	-12	0	-14	0	0	0	0	0	419	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
1000	527	0	527	0	514	0	512	0	320	0	320	0	-9	0	-10	0	0	0	0	0	417	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
1100	552	0	554	0	527	0	527	0	320	0	320	0	-19	0	-21	0	0	0	0	0	401	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
1200	582	0	584	0	546	0	546	0	320	0	320	0	-30	0	-34	0	0	0	0	0	401	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
1300	586	0	588	0	548	0	548	0	320	0	320	0	-32	0	-34	0	0	0	0	0	406	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
1400	591	0	591	0	550	0	550	0	320	0	320	0	-39	0	-39	0	0	0	0	0	406	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
1500	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	408	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
1600	597	0	597	0	572	0	572	0	320	0	320	0	-19	0	-21	0	0	0	0	0	401	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
1700	615	0	618	0	584	0	584	0	320	0	320	0	-27	0	-28	0	0	0	0	0	395	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
1800	624	0	620	0	606	0	604	0	320	0	320	0	-16	0	-14	0	0	0	0	0	404	2	0	0	0	0	0	0	0	0	0	0	0	0	189	0
1900	627	0	627	0	626	0	624	0	320	0	320	0	0	0	0	0	0	0	0	0	395	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
2000	582	0	582	0	588	0	588	0	320	0	320	0	7	0	7	0	0	0	0	0	389	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
2100	559	0	561	0	593	0	593	0	320	0	320	0	36	0	34	0	0	0	0	0	388	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
2200	550	0	548	0	599	0	597	0	320	0	320	0	48	0	48	0	0	0	0	0	388	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
2300	554	0	554	0	595	0	593	0	320	0	320	0	43	0	41	0	0	0	0	0	392	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0
2400	545	0	545	0	570	0	570	0	320	0	320	0	27	0	25	0	0	0	0	0	390	0	0	0	0	0	0	0	0	0	0	0	0	0	189	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 SPD6	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
100	59	0	93	0	154	0	133	0	0	0	0	0	198	0	236	148	200	0	260	123	198	0	211	181	207	0	221	193	0	0	0	0	0	0
200	68	0	52	0	143	0	124	0	0	0	0	0	199	0	239	147	203	0	265	135	201	0	214	186	211	0	226	198	0	0	0	0	0	0
300	83	0	67	0	139	0	138	0	0	0	0	0	222	0	259	175	223	0	266	166	220	0	236	199	228	0	248	210	0	0	0	0	0	0
400	92	0	81	0	139	0	147	0	0	0	0	0	233	0	277	208	235	0	289	205	231	0	254	206	238	0	261	217	0	0	0	0	0	0
500	103	0	96	0	157	0	166	0	0	0	0	0	234	0	271	198	235	0	287	197	230	0	248	207	236	0	254	210	0	0	0	0	0	0
600	95	0	81	0	141	0	144	0	0	0	0	0	228	0	261	196	231	0	266	194	225	0	246	200	232	0	252	210	0	0	0	0	0	0
700	124	0	114	0	179	0	188	0	0	0	0	0	237	0	271	212	240	0	277	206	235	0	262	206	240	0	269	213	0	0	0	0	0	0
800	119	0	111	0	181	0	190	0	0	0	0	0	241	0	285	191	244	0	289	205	236	0	265	207	241	0	260	219	0	0	0	0	0	0
900	126	0	119	0	189	0	198	0	0	0	0	0	240	0	270	211	242	0	296	194	235	0	257	203	241	0	271	209	0	0	0	0	0	0
1000	126	0	120	0	192	0	200	0	0	0	0	0	240	0	273	202	244	0	289	212	236	0	259	214	241	0	263	216	0	0	0	0	0	0
1100	102	0	89	0	148	0	149	0	0	0	0	0	232	0	280	189	233	0	289	193	221	0	251	193	229	0	262	200	0	0	0	0	0	0
1200	91	0	74	0	145	0	127	0	0	0	0	0	218	0	265	144	220	0	258	157	207	0	238	165	215	0	241	169	0	0	0	0	0	0
1300	103	0	93	0	158	0	160	0	0	0	0	0	237	0	285	196	240	0	311	194	229	0	265	205	238	0	265	205	0	0	0	0	0	0
1400	181	0	177	0	275	0	288	0	0	0	0	0	248	0	271	213	250	0	282	193	249	0	271	238	254	0	268	241	0	0	0	0	0	0
1500	92	0	88	0	155	0	163	0	0	0	0	0	252	0	290	223	252	0	309	210	258	0	280	234	261	0	281	236	0	0	0	0	0	0
1600	109	0	110	0	187	0	199	0	0	0	0	0	259	0	291	228	257	0	295	183	259	0	296	232	261	0	281	220	0	0	0	0	0	0
1700	187	0	189	0	268	0	283	0	0	0	0	0	265	0	281	247	267	0	295	240	265	0	273	252	270	0	276	256	0	0	0	0	0	0
1800	208	0	206	0	285	0	298	0	0	0	0	0	266	0	292	241	265	0	291	236	270	0	294	250	275	0	298	260	0	0	0	0	0	0
1900	181	0	178	0	292	0	293	0	0	0	0	0	329	0	11	298	328	0	38	276	333	0	7	297	336	0	5	300	0	0	0	0	0	0
2000	119	0	117	0	168	0	170	0	0	0	0	0	314	0	341	278	312	0	346	270	322	0	356	297	329	0	350	305	0	0	0	0	0	0
2100	124	0	122	0	160	0	163	0	0	0	0	0	311	0	337	280	307	0	7	271	312	0	333	300	314	0	327	304	0	0	0	0	0	0
2200	100	0	95	0	149	0	160	0	0	0	0	0	285	0	326	246	281	0	327	238	291	0	318	262	293	0	318	270	0	0	0	0	0	0
2300	136	0	125	0	215	0	224	0	0	0	0	0	292	0	319	261	290	0	332	228	300	0	313	290	302	0	313	292	0	0	0	0	0	0
2400	135	0	127	0	185	0	194	0	0	0	0	0	290	0	323	260	284	0	315	241	296	0	315	278	298	0	313	277	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 DEW30S	S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	543	0	545	0	566	0	569	0	320	0	320	0	21	0	21	0	0	0	0	0	392	0	0	0	0	0	0	0	0	0	0	0	189	0
200	555	0	555	0	572	0	570	0	320	0	320	0	16	0	16	0	0	0	0	0	395	0	0	0	0	0	0	0	0	0	0	0	189	0
300	575	0	577	0	588	0	586	0	320	0	320	0	12	0	10	0	0	0	0	0	399	0	0	0	0	0	0	0	0	0	0	0	189	0
400	588	0	588	0	591	0	590	0	320	0	320	0	3	0	3	0	0	0	0	0	402	0	0	0	0	0	0	0	0	0	0	0	189	0
500	579	0	579	0	589	0	582	0	320	0	320	0	5	0	5	0	0	0	0	0	404	0	0	0	0	0	0	0	0	0	0	0	189	0
600	573	0	573	0	573	0	573	0	320	0	320	0	1	0	1	0	0	0	0	0	404	0	0	0	0	0	0	0	0	0	0	0	189	0
700	593	0	593	0	588	0	586	0	320	0	320	0	-3	0	-5	0	0	0	0	0	413	0	0	0	0	0	0	0	0	0	0	0	189	0
800	617	0	618	0	602	0	600	0	320	0	320	0	-10	0	-12	0	0	0	0	0	413	0	0	0	0	0	0	0	0	0	0	0	189	0
900	627	0	626	0	618	0	618	0	320	0	320	0	-5	0	-7	0	0	0	0	0	415	0	0	0	0	0	0	0	0	0	0	0	189	0
1000	624	0	624	0	618	0	617	0	320	0	320	0	-5	0	-7	0	0	0	0	0	419	0	0	0	0	0	0	0	0	0	0	0	189	0
1100	640	0	642	0	626	0	624	0	320	0	320	0	-12	0	-14	0	0	0	0	0	417	0	0	0	0	0	0	0	0	0	0	0	189	0
1200	663	0	663	0	647	0	645	0	320	0	320	0	-10	0	-12	0	0	0	0	0	419	0	0	0	0	0	0	0	0	0	0	0	189	0
1300	671	0	671	0	654	0	654	0	320	0	320	0	-9	0	-10	0	0	0	0	0	435	0	0	0	0	0	0	0	0	0	0	0	189	0
1400	626	0	624	0	627	0	626	0	320	0	320	0	3	0	3	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	191	0
1500	667	0	669	0	644	0	642	0	320	0	320	0	-19	0	-21	0	0	0	0	0	446	0	0	0	0	0	0	0	0	0	0	0	191	0
1600	669	0	671	0	649	0	649	0	320	0	320	0	-16	0	-18	0	0	0	0	0	440	0	0	0	0	0	0	0	0	0	0	0	191	0
1700	649	0	651	0	649	0	647	0	320	0	320	0	1	0	0	0	0	0	0	0	435	2	0	0	0	0	0	0	0	0	0	0	191	0
1800	649	0	649	0	654	0	653	0	320	0	320	0	9	0	7	0	0	0	0	0	411	0	0	0	0	0	0	0	0	0	0	0	191	0
1900	577	0	577	0	561	0	561	0	320	0	320	0	-12	0	-12	0	0	0	0	0	413	0	0	0	0	0	0	0	0	0	0	0	191	0
2000	568	0	568	0	557	0	557	0	320	0	320	0	-5	0	-7	0	0	0	0	0	413	0	0	0	0	0	0	0	0	0	0	0	191	0
2100	559	0	559	0	555	0	554	0	320	0	320	0	-3	0	-3	0	0	0	0	0	413	0	0	0	0	0	0	0	0	0	0	0	191	0
2200	581	0	581	0	579	0	579	0	320	0	320	0	0	0	1	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	191	0
2300	593	0	591	0	590	0	588	0	320	0	320	0	1	0	-1	0	0	0	0	0	429	0	0	0	0	0	0	0	0	0	0	0	191	0
2400	590	0	590	0	584	0	584	0	320	0	320	0	-3	0	-3	0	0	0	0	0	428	0	0	0	0	0	0	0	0	0	0	0	191	0

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

HOUR	WIND SPD1 50 A	S	WIND SPD2 50 B	S	WIND SPD3 150A	S	WIND SPD4 150B	S	WIND SPD5	S	WIND SPD6	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
100	131	0	121	0	210	0	218	0	0	0	0	0	292	0	315	264	288	0	326	242	300	0	308	284	302	0	309	290	0	0	0	0	0	0
200	134	0	131	0	201	0	205	0	0	0	0	0	311	0	343	266	306	0	357	247	318	0	336	305	320	0	330	305	0	0	0	0	0	0
300	108	0	102	0	154	0	159	0	0	0	0	0	312	0	349	285	310	0	359	253	318	0	341	302	320	0	341	302	0	0	0	0	0	0
400	89	0	79	0	128	0	130	0	0	0	0	0	335	0	77	285	339	0	34	272	339	0	21	305	337	0	21	292	0	0	0	0	0	0
500	51	0	48	0	78	0	80	0	0	0	0	0	339	0	18	285	337	0	28	272	343	0	12	307	345	0	20	295	0	0	0	0	0	0
600	38	0	33	0	48	0	51	0	0	0	0	0	31	0	88	342	28	0	89	330	6	0	35	333	9	0	41	334	0	0	0	0	0	0
700	29	0	19	0	34	0	32	0	0	0	0	0	9	3	168	299	7	3	130	281	0	0	57	319	5	0	60	318	0	0	0	0	0	0
800	32	0	25	0	34	0	37	0	0	0	0	0	316	0	359	200	321	3	35	271	321	0	355	288	322	0	358	297	0	0	0	0	0	0
900	50	0	45	0	55	0	59	0	0	0	0	0	257	0	296	206	256	0	300	207	253	0	279	224	258	0	281	227	0	0	0	0	0	0
1000	74	0	69	0	82	0	87	0	0	0	0	0	252	0	320	200	254	0	328	206	239	0	267	186	245	0	288	213	0	0	0	0	0	0
1100	67	0	61	0	70	0	75	0	0	0	0	0	242	0	289	214	243	0	285	193	253	0	301	214	259	0	295	226	0	0	0	0	0	0
1200	77	0	70	0	76	0	83	0	0	0	0	0	254	0	288	194	254	0	297	216	251	0	301	229	255	0	296	215	0	0	0	0	0	0
1300	84	0	79	0	98	0	104	0	0	0	0	0	96	0	271	214	248	0	266	221	248	0	271	224	254	0	276	237	0	0	0	0	0	0
1400	62	0	56	0	76	0	81	0	0	0	0	0	248	0	284	221	248	0	300	207	257	0	287	227	260	0	283	216	0	0	0	0	0	0
1500	78	0	74	0	81	0	88	0	0	0	0	0	246	0	267	219	247	0	296	207	254	0	268	234	259	0	269	235	0	0	0	0	0	0
1600	64	0	53	0	76	0	81	0	0	0	0	0	237	0	282	203	239	0	332	199	238	0	266	188	243	0	278	212	0	0	0	0	0	0
1700	64	0	59	0	78	0	85	0	0	0	0	0	242	0	271	205	243	0	274	204	242	0	263	208	248	0	268	217	0	0	0	0	0	0
1800	53	0	46	0	71	0	74	0	0	0	0	0	12	0	96	270	13	0	135	272	8	0	58	271	9	0	75	271	0	0	0	0	0	0
1900	42	0	37	0	47	0	54	0	0	0	0	0	90	0	131	56	86	0	159	17	73	0	94	18	80	0	104	33	0	0	0	0	0	0
2000	52	0	47	0	64	0	67	0	0	0	0	0	92	0	133	59	92	0	137	62	83	0	105	60	91	0	125	72	0	0	0	0	0	0
2100	54	0	48	0	74	0	77	0	0	0	0	0	112	0	130	93	117	0	143	92	121	0	135	112	132	0	142	118	0	0	0	0	0	0
2200	59	0	52	0	92	0	95	0	0	0	0	0	107	0	122	89	110	0	141	85	111	0	125	103	122	0	137	108	0	0	0	0	0	0
2300	72	0	63	0	109	0	113	0	0	0	0	0	109	0	122	82	113	0	138	84	111	0	122	97	121	0	135	110	0	0	0	0	0	0
2400	40	0	36	0	43	0	46	0	0	0	0	0	254	0	305	218	253	0	311	205	255	0	295	224	263	0	298	238	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. VEM5	S	AMB. TEMP6	S	D.T. 1 180A	S	D.T. 2 180B	S	D.T. 3	S	D.T. 4	S	MISC 1 DEW30S	MISC 2	S	MISC 3	S	MISC 4	S	MISC 5	S	MISC 6	S	MISC 7	S	RAIN	S
100	588	0	586	0	582	0	581	0	320	0	320	0	-3	0	-3	0	0	0	0	0	420	0	0	0	0	0	0	0	0	0	0	0	191	0
200	582	0	582	0	573	0	573	0	320	0	320	0	-5	0	-7	0	0	0	0	0	419	0	0	0	0	0	0	0	0	0	0	0	191	0
300	572	0	570	0	563	0	563	0	320	0	320	0	-7	0	-7	0	0	0	0	0	420	0	0	0	0	0	0	0	0	0	0	0	191	0
400	561	0	561	0	554	0	552	0	320	0	320	0	-7	0	-7	0	0	0	0	0	419	0	0	0	0	0	0	0	0	0	0	0	191	0
500	536	0	536	0	528	0	527	0	320	0	320	0	-7	0	-7	0	0	0	0	0	413	0	0	0	0	0	0	0	0	0	0	0	191	0
600	543	0	543	0	534	0	532	0	320	0	320	0	-7	0	-9	0	0	0	0	0	420	0	0	0	0	0	0	0	0	0	0	0	191	0
700	552	0	552	0	536	0	534	0	320	0	320	0	-14	0	-16	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	191	0
800	552	0	554	0	537	0	537	0	320	0	320	0	-10	0	-12	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	191	0
900	559	0	559	0	536	0	536	0	320	0	320	0	-18	0	-19	0	0	0	0	0	420	0	0	0	0	0	0	0	0	0	0	0	191	0
1000	579	0	579	0	552	0	552	0	320	0	320	0	-19	0	-21	0	0	0	0	0	420	0	0	0	0	0	0	0	0	0	0	0	191	0
1100	588	0	590	0	568	0	568	0	320	0	320	0	-12	0	-14	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	191	0
1200	608	0	609	0	579	0	579	0	320	0	320	0	-19	0	-21	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	191	0
1300	633	0	635	0	611	0	611	0	320	0	320	0	-12	0	-16	0	0	0	0	0	411	0	0	0	0	0	0	0	0	0	0	0	191	0
1400	658	0	658	0	636	0	636	0	320	0	320	0	-12	0	-12	0	0	0	0	0	410	0	0	0	0	0	0	0	0	0	0	0	191	0
1500	678	0	680	0	656	0	656	0	320	0	320	0	-12	0	-14	0	0	0	0	0	404	0	0	0	0	0	0	0	0	0	0	0	191	0
1600	692	0	694	0	656	0	656	0	320	0	320	0	-28	0	-30	0	0	0	0	0	404	0	0	0	0	0	0	0	0	0	0	0	191	0
1700	690	0	692	0	663	0	663	0	320	0	320	0	-21	0	-23	0	0	0	0	0	404	0	0	0	0	0	0	0	0	0	0	0	191	0
1800	665	0	663	0	697	0	697	0	320	0	320	0	-10	0	-10	0	0	0	0	0	406	0	0	0	0	0	0	0	0	0	0	0	191	0
1900	642	0	640	0	624	0	622	0	320	0	320	0	-14	0	-14	0	0	0	0	0	419	0	0	0	0	0	0	0	0	0	0	0	191	0
2000	611	0	611	0	599	0	597	0	320	0	320	0	-9	0	-10	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	191	0
2100	590	0	590	0	593	0	591	0	320	0	320	0	3	0	1	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	191	0
2200	575	0	575	0	590	0	588	0	320	0	320	0	16	0	14	0	0	0	0	0	420	0	0	0	0	0	0	0	0	0	0	0	191	0
2300	573	0	573	0	581	0	579	0	320	0	320	0	10	0	9	0	0	0	0	0	426	0	0	0	0	0	0	0	0	0	0	0	191	0
2400	570	0	568	0	570	0	568	0	320	0	320	0	3	0	1	0	0	0	0	0	422	0	0	0	0	0	0	0	0	0	0	0	194	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